Annual Progress Report
Kharif Maize
2018

भाकृ अनुप
ICAR

All India Coordinated Research Project on Maize
ICAR-Indian Institute of Maize Research
PAU Campus, Ludhiana-141004, India
iimr.icar.gov.in

भामअनुसं
IIMR

अखिल भारतीय समन्वित मक्का सुधार परियोजना

ALL INDIA COORDINATED MAIZE IMPROVEMENT PROJECT (AICMIP)

On-line Automation System

HOME | ABOUT US | DIRECTORY | CONTACT US

Menu

- Home
- AICMIP
- About Us
- List of Centers
- Directory
- List of Crops
- Achievements
- Annual Report
- Cadre Strength
- Budget
- Important Links

AICMIP Automation System

All India Coordinated Maize Improvement Project, the first All-India Coordinated Research Project (AICRP) was established in 1957. Today, AICRP-Maize is a ***unique network of 34 centres*** spread across **23 states** of the country. AICMIP Automation is developed to plan, create and monitor coordinated trials by the project directorate. Developed under aegis of **KRISHI** (ICAR Research Data Management for Knowledge Management), the automation system is expected to improve AICMIP.

View Centers

Annual Maize Workshop-2018
HAREC (CSKHPKV), Bajaura

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CONTENTS

S. No.	CONTENTS	Page No.
1.	Research staff of AICRP on Maize	1 to 7
2.	Breeding	BR-1 to BR-824
3.	Agronomy	A-1 to A-155
4.	Front Line Demonstration (FLD)	FLD-1 to FLD-10
5.	Pathology	P-1 to P-106
6.	Entomology	E-1 to E-32
7.	Biochemistry (Quality)	BC-1 to BC-5

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BREEDING

TABLE No.	CONTENTS	Page No.
BREEDING-RESULTS SUMMARY		
NATIONAL INITIAL VARIETAL TRIALS (NIVT)		
1	Trial No. 538 (NIVT-Early Maturity)	BR-7 to BR-67
2	Trial No. 442 (NIVT-Early Maturity) Zone 1	BR-68 to BR-83
3	Trial No. 541 (NIVT-Medium Maturity)	BR-84 to BR-179
4	Trial No. 432 (NIVT-Medium Maturity) Zone 1	BR-180 to BR-193
5	Trial No. 543 (NIVT-Late Maturity)	BR-194 to BR-263
ADVANCED VARIETAL TRIALS 1st and 2nd Year (AVT-1 and AVT-2)		
ZONE-1: NORTH HILL ZONE (NHZ)		
6	Trial No. 493 (Medium Maturity) AVT-I-II	BR-264 to BR-277
ZONE 2: NORTH WEST PLAIN ZONE (NWPZ)		
7	Trial No. 496 (Medium Maturity) AVT-I-II	BR-278 to BR-291
8	Trial No. 502 (Early Maturity) AVT-I-II	BR-292 to BR-307
9	Trial No. 508 (Late Maturity) AVT-I-II	BR-308 to BR-321
ZONE 3: NORTH EAST PLAIN ZONE (NEPZ)		
10	Trial No. 498 (Medium Maturity) AVT-I-II	BR-322 to BR-335
11	Trial No. 505 (Early Maturity) AVT-I-II	BR-336 to BR-351
12	Trial No. 509 (Late Maturity) AVT-I-II	BR-352 to BR-365
ZONE 4: PENINSULAR ZONE (PZ)		
13	Trial No. 499 (Medium Maturity) AVT-I-II	BR-366 to BR-393
14	Trial No. 506 (Early Maturity) AVT-I-II	BR-394 to BR-425
15	Trial No. 510 (Late Maturity) AVT-I-II	BR-426 to BR-453
ZONE 5: CENTRAL WESTERN ZONE (CWZ)		
16	Trial No. 500 (Medium Maturity) AVT-I-II	BR-454 to BR-467
17	Trial No. 507 (Early Maturity) AVT-I-II	BR-468 to BR-483
18	Trial No. 511 (Late Maturity) AVT-I-II	BR-484 to BR-498
QPM TRIAL		
19	Trial No. 438 (QPM-I-II-III) Zone 1	BR-499 to BR-515
20	Trial No. 512 (QPM-I-II-III) Zone 2	BR-516 to BR-530
21	Trial No. 515 (QPM-I-II-III) Zone 3	BR-531 to BR-546
22	Trial No. 516 (QPM-I-II-III) Zone 4	BR-547 to BR-564
23	Trial No. 517 (QPM-I-II-III) Zone 5	BR-565 to BR-579
SPECIALTY CORNS		
24	Trial No. 441 (BC-I-II-III) Zone 1	BR-580 to BR-592
25	Trial No. 523 (BC-I-II-III) Zone 2-3-4-5	BR-593 to BR-625
26	Trial No. 440 (PC-I-II-III) Zone 1	BR-626 to BR-639
27	Trial No. 520 (PC-I-II-III) Zone 2-3-4-5	BR-640 to BR-679
28	Trial No. 439 (SC-I-II-III) Zone 1	BR-680 to BR-693
29	Trial No. 526 (SC-I-II-III) Zone 2-3-4-5	BR-694 to BR-729
RAINFED TRIALS		
30	Trial No. 527 (Medium Maturity) Zone 4	BR-730 to BR-743
31	Trial No. 528 (Medium Maturity) Zone 5	BR-744 to BR-757
32	Trial No. 529 (Early Maturity) Zone 4	BR-758 to BR-771
33	Trial No. 530 (Early Maturity) Zone 5	BR-772 to BR-785
34	Trial No. 531 (Late Maturity) Zone 4	BR-786 to BR-798
35	Trial No. 532 (Late Maturity) Zone 5	BR-799 to BR-811
OPV Trial		
36	Trial No. 455 OPV Zone 1	BR-812 to BR-824
37	Decoding Sheets	DC-1 to DC-39

Summary of Breeding Trials, AICRP Kharif 2018

The entire maize growing area in India is divided in five major zones [Northern Hill Zone (NHZ), North West Plain Zone (NWPZ), North East Plain Zone (NEPZ), Peninsular Zone (PZ) and Central West Zone (CWZ)] for effective evaluation of the maize breeding materials and experimental cultivars. The details of maize growing states included in these zones are given below:

Zone	**State(s)**
Northern Hill Zone (NHZ)	Jammu and Kashmir, Himachal Pradesh, Uttarakhand (Hill region), North Eastern Hill Regions (Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur, Arunachal Pradesh)
North West Plain Zone (NWPZ)	Punjab, Haryana, Delhi, Uttarakhand (Plain), Uttar Pradesh (Western region)
North East Plain Zone (NEPZ)	Bihar, Jharkhand, Odisha, Uttar Pradesh (Eastern region), West Bengal
Peninsular Zone (PZ)	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, Telangana
Central West Zone (CWZ)	Rajasthan, Madhya Pradesh, Chhattisgarh, Gujarat

During *Kharif* 2018, 311 maize entries were evaluated in all India coordinated trials. Of 311 entries, 163 entries were evaluated in national initial varietal trial (NIVT), 55 in advance varietal trial-I (AVT-I), 9 in advance varietal trial-II (AVT-II), 24 entries in quality protein maize (QPM), and 23 in specialty corns trials (7 in baby corn, 10 in sweet corn, and 06 in popcorn trials), 25 in rainfed trials (late-4, Medium-12, and early- 9) 6 in OPV and 6 for Quality traits. Of total entries received, 220 were contributed from public and 91 by the private sector. Fifteen breeding trials (including NIVT (3), AVT-I-II (3), QPM (1) and specialty corns (3) and one each in, OPV, quality, Rainfed late, medium, and early) were constituted for evaluation at 62 locations (32 regular and 30 volunteers) across country. Data received from was reviewed and analyzed critically for yield and related traits. The performance of each variety was compared with 27 relevant checks varieties of different types and maturity. The test entries were promoted from first year (NIVT) to second year (AVT-I) and second year to third year on the bases of criteria given below:

i) Promotion criteria (Yield): Entries must be numerically superior over the best check and should have non-significant differences in yield from the best entry (rank 1st) of the trial at CD (P=0.05)

ii) In early and medium trials, besides yield, the test entry should not exceed the relevant best check by 2.0 days in days to 50% anthesis

iii) The disease reaction of test entries to the diseases of zonal/regional importance was considered while promotion

iv) In specialty corn, besides yield, the quality parameters were also considered while promotion e.g. (QPM: % Trp ≥0.6; SC: TSS ≥ 15%; PC: Popping % age ≥ 80%), (Note: all quality parameters were analyze in self (TSS, Popping %) and chain crossed (Lys, Trp) kernels

v) In QPM, all entries were compared with the best check except for NHZ (Zone1) where the test entries found to be early based on days to 50% anthesis criteria was compared with VIVEK QPM 9.

If C.V. value found more than 20% for a trial in any of location of NWPZ, NEPZ, PZ and more than 30% for location of NHZ and CWZ, then the data of those trials were rejected from the final analysis. Similarly, if trial mean is falling below state average yield of the year then the same location has been rejected from the analysis.

The details of checks used and number of coordinated varietal trials conducted under All India Coordinated Research project (AICRP) on Maize Improvement during *Kharif* 2018 are given below:

Detail numbers of test entries and checks evaluated in 15 different AICRP-breeding Trials during *Kharif* 2018:

Trial	Entries	Checks varieties	Mode of operation
NIVT-Late Maturity	58	CMH 08-287, CMH 08-282, BIO 9682, NK 6240	Across zones
NIVT-Medium Maturity	74	CMH08-292,BIO,9544, DHM 121	Across zones
NIVT-Early Maturity	31	BIO605,PMH5,DKC7074, Vivek Hybrid 51, Vivek Hybrid 45	Across zones
AVT-I–II-Late Maturity	30	BIO 9682, CMH 08-287, CMH 08-282	Zone specific
AVT-I-II-Medium Maturity	27	CMH08-292,BIO9544, DHM 121,	Zone specific
AVT-I-II-Early Maturity	7	BIO605,PMH5,DKC7074, Vivek Hybrid 51, Vivek Hybrid 45	Zone specific
QPM 1-2-3	24	HQPM1,HQPM5,HQPM7, PRATAP QPM HYBRID 1, Vivek Hybrid-27, APQH-9, VIVEK QPM 9, PUSA HM 8	Zone Specific
Popcorn-1-2-3	6	VL Amber Popcorn, Shalimar popcorn	Across zones
Sweet Corn-1-2-3	10	Misthi, VL Sweet corn	Across zones
Baby Corn-1-2-3	7	VL BABY CORN2	Across zones
Rainfed trials-Late	4	Bio9682,CMH08-287,CMH 08-282,	PZ & CWZ
Rainfed trials-Medium	12	CMH08-292,BIO,9544, DHM 121,	PZ& CWZ
Rainfed trials-Early	9	BIO605,PMH5,DKC7074	PZ & CWZ
OPV	6	Vijay,Hemant	NHZ
Quality trial	6	HQPM1,HQPM5,HQPM7, PRATAP QPM HYBRID 1, Vivek Hybrid-27, APQH-9, VIVEK QPM 9	Two Locations (Delhi & Ludhiana)
Total	**311**		

Details of trials allotted to various testing centers:

Total of 62 locations (32 regulars and 30 volunteer) were identified for evaluation of thirty seven different breeding trials. The detail of trials allotted to various test centers during *Kharif* 2018 is given below:

S.NO	**Centre**	**Address**	Centre types	Total trial alloted
1	Almora	VPKAS, Almora	Regular	8
2	Bajaura	HPKVV, Bajaura	Regular	8
3	Barapani	NEH, Barapani	Regular	7
4	Kangra	HPKVV. Kangra	Regular	8
5	Srinagar	SKUAST, Srinagar	Regular	7
6	Gossaigaon	AAU, Jorhat	Regular	3
7	Imphal	CAU, Iroisemba, Imphal	Regular	7
8	Delhi	IARI	Regular	11
9	Ludhiana	PAU, Ludhiana	Regular	11
10	Karnal	CCSHAU, Uchani, Karnal	Regular	10
11	Panthnagar	GBPUAT, PantNagar	Regular	10
12	Dholi	RAU, Dholi	Regular	10
13	Ranchi	BAU, Ranchi	Regular	10
14	Bhubneshwar	OUAT, Bhubaneshwar	Regular	10
15	Varanasi	BHU, Varanasi	Regular	10
16	Bahraich	NDUAT, Bahraich	Regular	10
17	Sabour	Bihar Agriculture University, Sabour, Bhagalpur	Regular	10
18	Kalyani	BCKV,Kalyani	Regular	6
19	Hyderabad	ANGRAU, Hyderabad	Regular	10
20	Karimnagar	ANGRAU, Karimnagar	Regular	13
21	Kolhapur	MPKV, Kolhapur	Regular	13
22	Dharwad	UAS, Dharward	Regular	10
23	Mandya	UAS, Mandya	Regular	10
24	Vagarai	TNAU, Coimbatore, (Vagarai)	Regular	13
25	Coimbatore	TNAU, Coimbtore	Regular	10
26	Rahuri	Mahatma Phule Krishi Vidyapeeth, Rahuri, Tal Rahuri	Regular	10
27	Udaipur	MPUAT, Udaipur	Regular	13
28	Banswara	MPUAT, Banswara	Regular	13
29	Chindwara	JNKVV, Chhindwara	Regular	13
30	Ambikapur	IGKVV, Ambikapur	Regular	10
31	Godhara	AAU, Anand/Godhra	Regular	13

32	Peddapuram	Acharya N G Ranga Agricultural University, Agricultural Research Station,	Regular	10
33	Dhaulakuan	Peddapuram - 533 437, Dist: East Godavari (Andhra Pradesh)	Voluntary	1
34	Poonch	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu , Poonch	Voluntary	1
35	Rajauri	Agriculture Research Station Rajouri (RARS) SKUAST-J & K	Voluntary	1
36	Aligarh	Zonal Agriculture Research Station, Kalai Aligarh, Uttar Pradesh.	Voluntary	3
37	Kapurthala	Regional Research Station, PAU, Kapurthala, Punjab	Voluntary	3
38	koraput	High Altitude Research Centre, Pottangi, Koraput, Odisha	Voluntary	3
39	Sehgal Foundation ICRISAT	ICRISAT Campus, Hyderabad	Voluntary	3
40	VRDC KSSC Dharwad	UAS, Dharward	Voluntary	3
41	Dhule	Agriculture research station, Agricultural college Dhule	Voluntary	3
42	Parbhani	Marathwada krishi vidyapeeth, Parbhani (Maharashtra)	Voluntary	3
43	Niphad Nasik	Agriculture Research Station, Niphad District Nasik	Voluntary	3
44	ARS Devihosur	Agricultural Research Station, Mhanamanamatti- Karnataka	Voluntary	6
45	Arbhavi	Agricultural Research Station, Arbhavi, Gokak	Voluntary	3
46	Bhiloda	Maize Research Station,S.D. Agricultural University, Bhiloda-(Gujarat)	Voluntary	3
47	AAR Dahod	Hillmett, Research Station, AAU, Farm Dahod	Voluntary	3
48	Raipur	College of Agriculture, Krishak Nagar, Raipur (CG),	Voluntary	3
49	RARS Ujjain	Regional Agricultural Research Station, Ujjain, M.P.	Voluntary	3
50	ARS Kota	Agricultural Research Station, Ummedganj Kota, Raj	Voluntary	3
51	Jagadalpur	SG College of Agriculture and Research Station, Kumharawand, Jagadalpur (CG)	Voluntary	3
52	Chitrakoot	Mahatma Gandhi Chitrakoot Gramodya Vishwavidyalay, Chitrakoot, Satna	Voluntary	3
53	Narendrapur	Vivekananada University,Kolkata 700013, West Bengal	Voluntary	3
54	Majhian	Regional Research Station (OAZ), UBKV, Patiram-733133 (West Bengal)	Voluntary	3
55	Sriniketan	Palli Siksha Bhavan,Sriniketan-731236, West Bengal	Voluntary	3
56	Medinipur	Krishi Bhawan ,PO Abash, Dist. Pascim Medinipur-721102, West Bengal	Voluntary	3
57	Buldana	Asstt.Prof. (Agril.Botany), ARS,Buldana-443001	Voluntary	3
58	Raichur	Professor (GPB), College of Agriculture, Bheemarayanagudi, 585287, Taluk: Shahapur, Dist: Yadgir	Voluntary	3
59	shimoga	PI, Maize Improvement, ZAHRS, Shivamogga	Voluntary	3
60	Nagaland	Department of Agricultural Chemistry and Soil Science	Voluntary	1
61	Gurdaspur	Regional Research Station, PAU, Gurdaspur, Punjab	Voluntary	3
62	Bertin	CSK HPKV, KVK Berthin Distt. Bilaspur, Himachal Pradesh-174029	Voluntary	1
		Total		400

The different breeding trials were organized at 13 test locations in NHZ, 7 in NWPZ, 12 in NEPZ, 19 in PZ and 12 test locations in CWZ. All entries were tested under three maturity group viz., late, medium, and early (extra early clubbed with early). The success rate of NHZ for reporting of trials is low. The details of success rate in reporting the data from each zone is given below:

Zone(s)	**Centers**	**Trials allotted**	**Trials Reported**	**Percent Success**
NHZ	Srinagar, Almora, Bajaura, Barapani, Kangra, Gossaingaon, Poonch, Rajauri,Imphal, Bertin, Nagaland,Dhaulakuam, Gantok	53	42	79.2
NWPZ	Ludhiana, Karnal, Delhi, Pantnagar,Aligarh, Kapurthala, Gurdaspur	51	48	94.1
NEPZ	Dholi, Ranchi, Bhubaneswar, Varanasi, Bahraich, Sabour, Kalyani, Koraput, Majhian, Medinapur, Narendrapur, Sriniketan	81	65	80.2
PZ	Arabhavi, Buldana, Mandya, Karimnagar, Shegal Fou, Hyderabad, Coimbatore, Vagarai, Kolhapur, Peddapuram, Dharwad,VRDCKSSC, Shimoga, Devihosur, Dhule, Parbhani, Nasik, Rahuri,	132	125	94.6
CWZ	Udaipur, Banswara, Chindwara, Ambikapur, Godhra, Bhiloda, Dahod, Raipur, Jagadalpur, Ujjain, , Kota, chittarkoot,	83	80	96.3
Overall		**400**	**360**	**88.8**

Table No. 1 (Contd.) Trial no. 538 (NIVT-Early Maturity) Yield (kg/ha)

S. No.	Entry Name	CWZ											
		Ambi_CG		Banswara_RJ		Chindwara_MP		Godh_GJ		Udai_Raj		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 1619	1549	17	2949	36	4704	21	5026	24	4057	30	4197	33
2	AH8106	1732	15	5376	10	6004	2	5611	12	6857	3	6031	2
3	AH8181	2109	6	3963	27	5974	3	6212	4	5200	16	5296	13
4	DH-318	1295	27	4426	21	4720	20	4958	28	3580	32	4444	29
5	DH-319	1765	12	3777	31	4624	24	6788	2	3244	34	4525	26
6	EH-2936	1461	20	6333	2	3928	33	6043	8	6898	2	5805	5
7	EH-3369	1263	28	3933	28	3210	35	5408	17	6340	8	4937	18
8	FH3861	2503	2	6312	3	5614	7	5692	10	5289	14	5722	6
9	FH3864	1300	26	5677	4	4566	25	6095	6	4580	21	5332	11
10	FH3875	1326	25	3744	32	4952	18	5414	15	4429	22	4511	27
11	FH3879	1538	19	6766	1	5452	9	5649	11	6343	7	5918	3
12	HKH-365	516	36	4674	19	4156	29	5976	9	5447	11	5064	16
13	IMHSB-18K-01	2506	1	4146	25	4066	30	3871	35	3893	31	4098	34
14	IMHVS-003	1363	23	5529	8	5476	8	5283	18	7261	1	5809	4
15	IMHVS-004	1763	13	4794	17	5111	14	5504	14	5305	13	5114	15
16	JH 31950	1337	24	5281	12	5038	16	5203	20	5346	12	5233	14
17	JH 32014	2343	5	5148	15	5364	11	6048	7	6354	6	5555	9
18	JH 32055	1366	22	3825	29	4493	26	4992	27	6480	4	4923	19
19	JH 32056	1991	7	5641	5	5923	4	4945	29	5909	10	5693	7
20	JH 32057	2420	4	5551	6	5792	5	5412	16	6470	5	5662	8
21	JH 32094	2427	3	4850	16	6833	1	7237	1	6181	9	6216	1
22	KMH 17-38	1206	30	3785	30	4665	22	3443	36	5159	17	4305	32
23	KMH 17-89	1632	16	5267	14	4033	31	5094	23	4078	28	4658	24
24	LMH 3817	1459	21	4350	23	4203	28	4007	34	4131	27	3938	35
25	LMH 3917	1232	29	4652	20	4454	27	5191	21	4070	29	4840	20

Table No. 1 (Contd.) Trial no. 538 (NIVT-Early Maturity) Yield (kg/ha)

S. No.	Entry Name	CWZ											
		Ambi_CG		Banswara_RJ		Chindwara_MP		Godh_GJ		Udai_Raj		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
26	LMH 4017	1035	33	3309	35	2054	36	4998	25	3085	36	3264	36
27	RCRMH10(CAH174)	1863	9	5294	11	4874	19	4993	26	3558	33	4770	21
28	RCRMH11(CAH173)	1893	8	5550	7	5020	17	6298	3	4357	23	5354	10
29	REH2016-1	1821	11	3655	33	4018	32	6188	5	4316	24	4485	28
30	VIRAT	1182	31	3436	34	5383	10	4871	31	4669	19	4770	22
31	X104	883	35	5268	13	4624	23	4921	30	5251	15	4996	17
32	BIO 605 ©	1826	10	4734	18	5073	15	4662	32	4966	18	4763	23
33	DKC 7074 ©	1760	14	5484	9	5282	13	5592	13	4195	25	5328	12
34	PMH 5 ©	970	34	4181	24	3433	34	5205	19	4641	20	4413	30
35	VIVEK MAIZE HYBRID 45 (C)	1150	32	4043	26	5632	6	5112	22	4142	26	4595	25
36	VIVEK MAIZE HYBRID 51 (C)	1549	18	4407	22	5341	12	4409	33	3178	35	4389	31
	Location Mean	1593	.	4725	.	4836	.	5343	.	4979	.	4971	.
	CV (%)	34.3	.	28.0	.	12.8	.	18.9	.	17.2	.	19.5	.
	F (Prob)	0.0	.	0.2	.	0.0	.	0.1	.	0.0	.	0.0	.
	CD (5%)	894.3	.	2166.7	.	1016.1	.	1653.9	.	1400.9	.	779.9	.
	CD (1%)	1190.7	.	2884.7	.	1352.9	.	2202.1	.	1865.2	.	1028.2	.

Table No. 1 (Contd.) (Contd.) **Yield (kg/ha)**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhubn_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 1619	6021	27	4016	24	4976	18	6714	7	4947	29	4609	30	6152	24	6992	20	8364	15	7152	22
2	AH8106	6695	15	4611	16	5660	11	6142	11	5746	15	6575	5	7091	11	6775	22	7795	24	7285	19
3	AH8181	7870	8	4841	12	3677	30	6436	8	6048	11	4086	34	8209	2	8128	10	8788	10	8305	2
4	DH-318	5200	32	3886	27	6435	3	5299	21	4594	34	5764	15	6975	13	6047	32	7883	23	7051	24
5	DH-319	6277	23	3830	31	4968	19	6851	4	4925	30	4753	29	7553	4	7132	18	6711	34	7174	20
6	EH-2936	6780	12	4586	17	3294	33	4386	30	5690	16	6793	3	6988	12	8823	2	7143	31	7645	13
7	EH-3369	5154	33	3873	29	3505	32	8108	1	4439	35	5224	25	5710	31	6345	29	8510	14	6812	28
8	FH3861	7934	7	5189	7	5734	10	5461	19	6497	5	5515	18	6719	17	8682	5	7761	25	7967	9
9	FH3864	8125	6	3881	28	4719	20	6052	14	6103	10	5706	17	5916	28	6538	25	8525	13	7114	23
10	FH3875	6026	26	3440	35	4563	25	4103	34	4822	32	5875	14	6547	21	6264	30	7239	29	6606	32
11	FH3879	8853	1	5113	8	5802	6	5088	25	6908	2	4112	33	6335	23	9454	1	9815	1	8160	4
12	HKH-365	4673	35	5912	2	6006	5	7007	2	5412	19	6213	11	7291	7	7095	19	7901	22	7489	16
13	IMHSB-18K-01	6031	25	4476	18	4701	21	6019	15	5197	23	6289	9	5933	27	6135	31	8354	16	6883	27
14	IMHVS-003	7186	11	4987	10	5256	14	4361	31	6221	9	4171	32	5883	29	8786	4	8603	11	7975	7
15	IMHVS-004	8476	2	3951	26	4619	23	4161	32	6422	7	1243	36	7133	9	8794	3	8924	8	8011	6
16	JH 31950	8308	4	4735	13	5437	12	6752	6	6559	4	5512	19	7109	10	7624	13	8154	19	7533	14
17	JH 32014	6671	17	4945	11	3689	29	4484	29	5916	13	5941	13	6079	25	6743	23	7263	28	6714	29
18	JH 32055	7582	9	5357	5	4604	24	6807	5	6287	8	5735	16	7253	8	8366	7	8262	18	7807	10
19	JH 32056	8237	5	5285	6	5757	7	6913	3	6995	1	5343	22	5987	26	8287	8	7016	32	7159	21
20	JH 32057	8385	3	5470	4	6672	2	5104	24	6835	3	5306	24	6685	20	8504	6	8345	17	7686	11
21	JH 32094	6579	20	5474	3	5081	16	5938	16	5888	14	6525	6	6879	14	8261	9	9635	2	8414	1
22	KMH 17-38	6694	16	3825	32	3804	28	5498	18	5132	25	6610	4	6875	15	6373	28	6472	36	6607	31
23	KMH 17-89	5460	31	4310	22	2430	36	5054	26	4830	31	5350	21	5468	34	6932	21	8573	12	7044	25
24	LMH 3817	6223	24	4084	23	4108	27	6055	13	5066	28	7063	2	5838	30	5814	34	7670	26	6372	34
25	LMH 3917	5908	28	3993	25	3636	31	6177	10	5120	26	4943	27	6825	16	6542	24	9187	3	7486	17

Table No. 1 (Contd.) (Contd.) **Yield (kg/ha)**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhubn_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
26	LMH 4017	4534	36	2522	36	3033	34	4154	33	3508	36	4832	28	3448	36	4815	36	6549	35	4891	36
27	RCRMH10(CAH174)	5850	30	4391	19	5337	13	4623	28	5240	21	5341	23	6374	22	7315	17	9045	6	7495	15
28	RCRMH11(CAH173)	6630	18	3655	34	5752	8	5115	23	5203	22	5185	26	5585	33	6458	26	6981	33	6517	33
29	REH2016-1	5857	29	4388	20	2846	35	4827	27	5097	27	5387	20	7613	3	5839	33	7191	30	6668	30
30	VIRAT	6468	21	4711	14	5752	9	5265	22	5419	18	6228	10	6690	18	6420	27	7506	27	6929	26
31	X104	6705	14	5094	9	6260	4	6102	12	6020	12	6024	12	7404	5	7474	14	7990	21	7649	12
32	BIO 605 ©	7234	10	6071	1	4443	26	4009	35	6457	6	3808	35	6689	19	7751	12	9172	4	7975	8
33	DKC 7074 ©	6741	13	4312	21	4668	22	3810	36	5483	17	6457	7	7399	6	7919	11	8834	9	8259	3
34	PMH 5 ©	6345	22	3749	33	5244	15	5872	17	5139	24	7866	1	8402	1	7339	16	9014	7	8065	5
35	VIVEK MAIZE HYBRID 45 (C)	4773	34	4701	15	5018	17	6328	9	4795	33	6316	8	5654	32	7428	15	9171	5	7465	18
36	VIVEK MAIZE HYBRID 51 (C)	6581	19	3832	30	7119	1	5416	20	5320	20	4365	31	5136	35	5415	35	8109	20	6259	35
	Location Mean	6641	.	4486	.	4850	.	5569	.	5563	.	5474	.	6551	.	7211	.	8124	.	7295	.
	CV (%)	18.4	.	16.1	.	30.5	.	24.2	.	18.1	.	38.0	.	17.0	.	13.5	.	14.3	.	14.9	.
	F (Prob)	0.0	.	0.0	.	0.1	.	0.1	.	0.0	.	0.7	.	0.0	.	0.0	.	0.1	.	0.0	.
	CD (5%)	2000.0	.	1182.0	.	2421.7	.	2203.6	.	1231.7	.	3402.6	.	1816.5	.	1588.5	.	1900.1	.	1052.0	.
	CD (1%)	2662.8	.	1573.7	.	3224.3	.	2933.9	.	1629.2	.	4530.3	.	2418.5	.	2115.0	.	2529.8	.	1388.4	.

Table No. 1 (Contd.) (Contd.) Yield (kg/ha)

S. No.	Entry Name	PZ																					
		Coimb_TN		Dhar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mand_KR		Peddap_AP		Rahu_MH		Vaga_TN		Z_PZ		All India	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 1619	8537	1	8442	17	5950	27	4766	30	5315	6	6497	31	7069	22	6332	26	7322	12	6920	24	5896	25
2	AH8106	8478	2	9616	10	8683	1	7879	2	3945	23	11586	1	7522	17	8764	8	8454	4	9199	1	7400	2
3	AH8181	7809	7	11857	1	6978	16	8140	1	4397	15	11218	2	8755	3	8225	13	10273	1	8970	2	7333	3
4	DH-318	7178	22	4518	34	5857	28	5578	26	2690	35	7391	25	6106	30	8176	14	5902	31	6027	30	5599	34
5	DH-319	7665	10	5428	32	4879	34	4203	33	3723	28	6547	29	7290	19	8801	7	6470	19	5869	32	5617	32
6	EH-2936	8284	5	9361	12	8130	5	6546	11	3584	30	8900	14	6052	31	5819	28	8140	6	7989	10	6975	9
7	EH-3369	6948	28	6881	27	6757	19	5153	28	4894	9	7318	27	5872	34	4449	34	6970	14	6705	26	5869	26
8	FH3861	8287	4	8483	16	8219	4	7264	6	5865	1	10314	4	8319	5	7827	18	9156	2	8587	3	7332	4
9	FH3864	6848	29	6542	29	5174	33	4414	32	4067	21	7795	22	6618	26	5831	27	5832	32	6310	28	6173	22
10	FH3875	6657	31	9769	8	7651	8	6005	20	4800	12	9383	12	8272	6	5487	30	6072	29	7834	13	6212	20
11	FH3879	7830	6	9499	11	7637	9	7285	5	5420	3	10295	5	7561	16	7848	17	8584	3	8553	4	7473	1
12	HKH-365	6531	34	4975	33	5556	32	5972	21	3759	24	6473	32	7719	13	4971	32	3345	36	5987	31	5976	24
13	IMHSB-18K-01	7387	16	7762	25	6839	17	6370	16	4128	19	7521	24	7258	20	5464	31	6491	18	7351	20	5994	23
14	IMHVS-003	7608	12	9204	13	7822	7	6699	8	5340	5	10091	6	9343	1	7640	21	7716	8	8411	5	7283	5
15	IMHVS-004	7120	24	7908	23	6797	18	6333	17	4230	17	9113	13	6839	24	7153	24	7420	11	7351	19	6751	14
16	JH 31950	7674	9	8404	18	6569	22	5955	22	4876	10	9619	10	7659	15	8661	9	6933	15	7659	17	6781	12
17	JH 32014	6844	30	11008	2	6039	26	6558	9	5110	8	8193	20	7887	10	8049	15	6193	25	7828	14	6689	16
18	JH 32055	6343	35	10461	4	7227	10	7759	4	4803	11	8767	16	7969	9	8395	12	7513	9	7857	12	6770	13
19	JH 32056	7038	26	10278	5	7853	6	7873	3	4364	16	8240	18	7110	21	6957	25	8031	7	8388	6	7176	7
20	JH 32057	7442	15	9740	9	7220	11	6432	13	4448	14	9823	8	8840	2	9769	4	8402	5	8078	9	7125	8
21	JH 32094	7061	25	8090	20	7115	13	7113	7	3618	29	10000	7	8480	4	9674	5	7488	10	7978	11	7255	6
22	KMH 17-38	7294	19	6063	31	6990	14	5669	24	3193	33	8232	19	6550	27	8577	10	4586	34	6925	23	5831	28
23	KMH 17-89	6992	27	6675	28	5756	29	4513	31	4152	18	5913	35	5928	33	5638	29	6284	23	5834	33	5610	33
24	LMH 3817	7379	17	7682	26	4708	35	4158	34	3547	31	6502	30	6813	25	4593	33	6440	21	6224	29	5438	35
25	LMH 3917	7169	23	6256	30	6152	24	3551	35	3956	22	6255	33	6047	32	8024	16	6711	16	5774	34	5787	29

Table No. 1 (Contd.) (Contd.) Yield (kg/ha)

S. No.	Entry Name	PZ																					
		Coimb_TN		Dhar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mand_KR		Peddap_AP		Rahu_MH		Vaga_TN		Z_PZ		All India	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
26	LMH 4017	6579	32	3762	35	3807	36	3206	36	3749	26	5920	34	5663	35	3474	35	4576	35	4594	36	4129	36
27	RCRMH10(CAH174)	7261	20	7805	24	6596	21	6557	10	5351	4	10488	3	7482	18	10071	1	6444	20	7639	18	6455	18
28	RCRMH11(CAH173)	7486	13	10840	3	7173	12	6419	14	3748	27	8885	15	7842	11	9859	2	6177	26	8338	7	6647	17
29	REH2016-1	6198	36	7936	22	5581	31	5055	29	3753	25	6984	28	5475	36	3443	36	6080	28	6500	27	5751	30
30	VIRAT	7207	21	8598	15	8624	2	6371	15	4122	20	7667	23	7678	14	7210	23	6218	24	7298	22	6211	21
31	X104	6536	33	9830	7	6542	23	6318	18	3450	32	8665	17	6978	23	8558	11	6384	22	7759	15	6709	15
32	BIO 605 ©	7770	8	10162	6	8423	3	6543	12	2507	36	9729	9	8041	8	9137	6	7223	13	8298	8	6950	10
33	DKC 7074 ©	7460	14	8894	14	6623	20	6149	19	2931	34	9525	11	8056	7	9776	3	5675	33	7701	16	6811	11
34	PMH 5 ©	7332	18	2081	36	6055	25	5631	25	5750	2	5825	36	6137	29	7782	19	6169	27	5490	35	5685	31
35	VIVEK MAIZE HYBRID 45 (C)	7614	11	8288	19	6990	15	5748	23	5139	7	7946	21	7795	12	7250	22	6678	17	7337	21	6235	19
36	VIVEK MAIZE HYBRID 51 (C)	8420	3	8072	21	5601	30	5227	27	4539	13	7328	26	6389	28	7724	20	6057	30	6912	25	5834	27
	Location Mean	7341	.	8088	.	6683	.	5984	.	4257	.	8360	.	7261	.	7373	.	6789	.	7291	.	6382	.
	CV (%)	12.3	.	14.4	.	18.6	.	13.7	.	30.1	.	13.0	.	10.4	.	25.2	.	16.4	.	14.4	.	16.2	.
	F (Prob)	0.3	.	0.0	.	0.0	.	0.0	.	0.4	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1475.4	.	1899.0	.	2030.4	.	1343.3	.	2094.0	.	1773.4	.	1229.9	.	3035.9	.	1822.9	.	772.8	.	457.7	.
	CD (1%)	1964.4	.	2528.3	.	2703.3	.	1788.5	.	2788.0	.	2361.1	.	1637.6	.	4042.1	.	2427.0	.	1018.2	.	602.0	.

Table No. 1 (Contd.)		Gain in Yield(%) over BIO 605 ©											
S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	-15.16	17	-37.71	36	-7.27	21	7.8	24	-18.3	30	-11.88	33
2	AH8106	-5.15	15	13.55	10	18.35	2	20.35	12	38.09	3	26.62	2
3	AH8181	15.46	6	-16.29	27	17.77	3	33.25	4	4.72	16	11.19	13
4	DH-318	-29.08	27	-6.5	21	-6.96	20	6.35	28	-27.92	32	-6.7	29
5	DH-319	-3.38	12	-20.21	31	-8.86	24	45.6	2	-34.68	34	-5	26
6	EH-2936	-20.01	20	33.77	2	-22.56	33	29.63	8	38.91	2	21.88	5
7	EH-3369	-30.84	28	-16.92	28	-36.73	35	16.01	17	27.66	8	3.65	18
8	FH3861	37.04	2	33.32	3	10.67	7	22.1	10	6.51	14	20.14	6
9	FH3864	-28.81	26	19.91	4	-10	25	30.74	6	-7.78	21	11.94	11
10	FH3875	-27.41	25	-20.92	32	-2.39	18	16.14	15	-10.81	22	-5.28	27
11	FH3879	-15.82	19	42.91	1	7.46	9	21.18	11	27.73	7	24.26	3
12	HKH-365	-71.76	36	-1.28	19	-18.07	29	28.19	9	9.7	11	6.33	16
13	IMHSB-18K-01	37.2	1	-12.41	25	-19.84	30	-16.97	35	-21.6	31	-13.96	34
14	IMHVS-003	-25.39	23	16.8	8	7.94	8	13.33	18	46.22	1	21.96	4
15	IMHVS-004	-3.5	13	1.27	17	0.75	14	18.06	14	6.84	13	7.36	15
16	JH 31950	-26.82	24	11.56	12	-0.7	16	11.61	20	7.66	12	9.87	14
17	JH 32014	28.26	5	8.74	15	5.73	11	29.74	7	27.96	6	16.63	9
18	JH 32055	-25.22	22	-19.19	29	-11.44	26	7.07	27	30.48	4	3.37	19
19	JH 32056	9.02	7	19.16	5	16.75	4	6.07	29	18.98	10	19.53	7
20	JH 32057	32.52	4	17.26	6	14.17	5	16.09	16	30.29	5	18.88	8
21	JH 32094	32.88	3	2.44	16	34.69	1	55.24	1	24.48	9	30.51	1
22	KMH 17-38	-33.96	30	-20.05	30	-8.05	22	-26.14	36	3.89	17	-9.61	32
23	KMH 17-89	-10.67	16	11.25	14	-20.5	31	9.27	23	-17.88	28	-2.19	24
24	LMH 3817	-20.11	21	-8.12	23	-17.15	28	-14.04	34	-16.81	27	-17.32	35
25	LMH 3917	-32.56	29	-1.74	20	-12.21	27	11.34	21	-18.05	29	1.63	20
26	LMH 4017	-43.35	33	-30.11	35	-59.52	36	7.2	25	-37.87	36	-31.47	36
27	RCRMH10(CAH174)	2	9	11.82	11	-3.93	19	7.1	26	-28.35	33	0.16	21
28	RCRMH11(CAH173)	3.67	8	17.23	7	-1.05	17	35.09	3	-12.27	23	12.41	10
29	REH2016-1	-0.32	11	-22.8	33	-20.79	32	32.73	5	-13.09	24	-5.84	28
30	VIRAT	-35.26	31	-27.42	34	6.11	10	4.49	31	-5.98	19	0.14	22
31	X104	-51.63	35	11.28	13	-8.84	23	5.57	30	5.75	15	4.9	17
32	BIO 605 ©	0	10	0	18	0	15	0	32	0	18	0	23
33	DKC 7074 ©	-3.64	14	15.84	9	4.11	13	19.94	13	-15.53	25	11.86	12
34	PMH 5 ©	-46.87	34	-11.69	24	-32.32	34	11.66	19	-6.53	20	-7.35	30
35	VIVEK MAIZE HYBRID 45 (C)	-37.05	32	-14.6	26	11.02	6	9.66	22	-16.59	26	-3.51	25
36	VIVEK MAIZE HYBRID 51 (C)	-15.18	18	-6.91	22	5.28	12	-5.42	33	-36	35	-7.86	31

Table No. 1 (Contd.) **Gain in Yield(%) over BIO 605 ©**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhub_OD		Ranc_JH		Sabo_Bihar		Z_NEPZ		IARI_ND		Karn_HR		Ludh_PB		Pant_UK		Z_NWPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 1619	-16.77	27	-33.85	24	11.99	18	67.47	7	-23.38	29	21.03	30	-8.04	24	-9.8	20	-8.81	15	-10.32	22
2	AH8106	-7.45	15	-24.06	16	27.4	11	53.19	11	-11.02	15	72.65	5	6	11	-12.6	22	-15.01	24	-8.66	19
3	AH8181	8.8	8	-20.26	12	-17.25	30	60.52	8	-6.34	11	7.29	34	22.72	2	4.85	10	-4.18	10	4.14	2
4	DH-318	-28.11	32	-35.99	27	44.83	3	32.16	21	-28.86	34	51.35	15	4.27	13	-21.98	32	-14.05	23	-11.59	24
5	DH-319	-13.22	23	-36.92	31	11.82	19	70.88	4	-23.73	30	24.8	29	12.91	4	-7.99	18	-26.83	34	-10.05	20
6	EH-2936	-6.27	12	-24.47	17	-25.86	33	9.41	30	-11.88	16	78.37	3	4.46	12	13.82	2	-22.11	31	-4.14	13
7	EH-3369	-28.76	33	-36.21	29	-21.12	32	102.24	1	-31.26	35	37.16	25	-14.65	31	-18.14	29	-7.21	14	-14.58	28
8	FH3861	9.68	7	-14.53	7	29.05	10	36.21	19	0.61	5	44.8	18	0.44	17	12	5	-15.38	25	-0.1	9
9	FH3864	12.31	6	-36.07	28	6.21	20	50.95	14	-5.49	10	49.84	17	-11.57	28	-15.65	25	-7.05	13	-10.8	23
10	FH3875	-16.7	26	-43.35	35	2.7	25	2.34	34	-25.33	32	54.27	14	-2.14	21	-19.19	30	-21.07	29	-17.17	32
11	FH3879	22.39	1	-15.79	8	30.59	6	26.91	25	6.99	2	7.97	33	-5.3	23	21.96	1	7.02	1	2.31	4
12	HKH-365	-35.4	35	-2.63	2	35.18	5	74.76	2	-16.18	19	63.15	11	8.99	7	-8.47	19	-13.85	22	-6.1	16
13	IMHSB-18K-01	-16.63	25	-26.27	18	5.81	21	50.12	15	-19.51	23	65.14	9	-11.3	27	-20.85	31	-8.92	16	-13.69	27
14	IMHVS-003	-0.67	11	-17.85	10	18.29	14	8.77	31	-3.66	9	9.53	32	-12.06	29	13.35	4	-6.2	11	0	7
15	IMHVS-004	17.16	2	-34.92	26	3.97	23	3.79	32	-0.55	7	-67.37	36	6.64	9	13.44	3	-2.7	8	0.45	6
16	JH 31950	14.84	4	-22.01	13	22.38	12	68.42	6	1.57	4	44.73	19	6.26	10	-1.65	13	-11.09	19	-5.55	14
17	JH 32014	-7.79	17	-18.55	11	-16.97	29	11.85	29	-8.39	13	55.99	13	-9.12	25	-13.01	23	-20.81	28	-15.81	29
18	JH 32055	4.81	9	-11.77	5	3.63	24	69.78	5	-2.63	8	50.59	16	8.43	8	7.93	7	-9.92	18	-2.11	10
19	JH 32056	13.87	5	-12.95	6	29.56	7	72.42	3	8.33	1	40.29	22	-10.5	26	6.9	8	-23.51	32	-10.23	21
20	JH 32057	15.91	3	-9.9	4	50.17	2	27.32	24	5.85	3	39.33	24	-0.07	20	9.7	6	-9.01	17	-3.62	11
21	JH 32094	-9.06	20	-9.84	3	14.37	16	48.12	16	-8.82	14	71.34	6	2.83	14	6.57	9	5.05	2	5.5	1
22	KMH 17-38	-7.47	16	-37	32	-14.39	28	37.14	18	-20.52	25	73.57	4	2.78	15	-17.78	28	-29.44	36	-17.16	31
23	KMH 17-89	-24.53	31	-29.01	22	-45.31	36	26.05	26	-25.2	31	40.49	21	-18.26	34	-10.57	21	-6.53	12	-11.67	25
24	LMH 3817	-13.98	24	-32.73	23	-7.53	27	51.03	13	-21.55	28	85.45	2	-12.73	30	-25	34	-16.37	26	-20.1	34
25	LMH 3917	-18.33	28	-34.24	25	-18.16	31	54.07	10	-20.72	26	29.8	27	2.03	16	-15.6	24	0.17	3	-6.13	17
26	LMH 4017	-37.32	36	-58.46	36	-31.73	34	3.61	33	-45.67	36	26.87	28	-48.46	36	-37.89	36	-28.59	35	-38.67	36
27	RCRMH10(CAH174)	-19.13	30	-27.67	19	20.12	13	15.32	28	-18.85	21	40.26	23	-4.72	22	-5.64	17	-1.38	6	-6.02	15
28	RCRMH11(CAH173)	-8.35	18	-39.8	34	29.46	8	27.58	23	-19.43	22	36.16	26	-16.51	33	-16.69	26	-23.88	33	-18.29	33
29	REH2016-1	-19.03	29	-27.72	20	-35.95	35	20.4	27	-21.07	27	41.45	20	13.8	3	-24.67	33	-21.59	30	-16.4	30
30	VIRAT	-10.59	21	-22.41	14	29.46	9	31.32	22	-16.08	18	63.53	10	0	18	-17.18	27	-18.16	27	-13.12	26
31	X104	-7.3	14	-16.1	9	40.89	4	52.19	12	-6.78	12	58.18	12	10.68	5	-3.59	14	-12.89	21	-4.09	12
32	BIO 605 ©	0	10	0	1	0	26	0	35	0	6	0	35	0	19	0	12	0	4	0	8
33	DKC 7074 ©	-6.81	13	-28.97	21	5.07	22	-4.96	36	-15.1	17	69.55	7	10.6	6	2.16	11	-3.68	9	3.56	3
34	PMH 5 ©	-12.29	22	-38.25	33	18.04	15	46.46	17	-20.41	24	106.55	1	25.59	1	-5.32	16	-1.72	7	1.12	5
35	VIVEK MAIZE HYBRID 45 (C)	-34.02	34	-22.58	15	12.93	17	57.84	9	-25.74	33	65.85	8	-15.47	32	-4.17	15	0	5	-6.4	18
36	VIVEK MAIZE HYBRID 51 (C)	-9.03	19	-36.89	30	60.23	1	35.1	20	-17.61	20	14.6	31	-23.23	35	-30.15	35	-11.59	20	-21.52	35

Table No. 1 (Contd.) **Gain in Yield(%) over BIO 605 ©**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dhar_KR		Hyde_AP		Kari_AP		Kolh_MH		Mand_KR		Pedd_AP		Rahu_MH		Vaga_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 1619	9.87	1	-16.93	17	-29.35	27	-27.17	30	112.03	6	-33.22	31	-12.09	22	-30.7	26	1.38	12	-16.6	24	-15.2	25
2	AH8106	9.11	2	-5.38	10	3.09	1	20.41	2	57.39	23	19.09	1	-6.45	17	-4.08	8	17.04	4	10.86	1	6.47	2
3	AH8181	0.5	7	16.68	1	-17.16	16	24.4	1	75.43	15	15.31	2	8.88	3	-9.98	13	42.23	1	8.1	2	5.51	3
4	DH-318	-7.62	22	-55.54	34	-30.46	28	-14.75	26	7.31	35	-24.03	25	-24.06	30	-10.52	14	-18.28	31	-27.37	30	-19.4	34
5	DH-319	-1.35	10	-46.59	32	-42.08	34	-35.76	33	48.51	28	-32.7	29	-9.34	19	-3.67	7	-10.42	19	-29.26	32	-19.2	32
6	EH-2936	6.62	5	-7.88	12	-3.47	5	0.03	11	43	30	-8.52	14	-24.73	31	-36.31	28	12.7	6	-3.72	10	0.35	9
7	EH-3369	-10.58	28	-32.29	27	-19.78	19	-21.25	28	95.26	9	-24.78	27	-26.98	34	-51.31	34	-3.5	14	-19.2	26	-15.6	26
8	FH3861	6.66	4	-16.53	16	-2.42	4	11.02	6	133.98	1	6.01	4	3.46	5	-14.34	18	26.76	2	3.49	3	5.49	4
9	FH3864	-11.87	29	-35.63	29	-38.57	33	-32.54	32	62.25	21	-19.88	22	-17.7	26	-36.18	27	-19.25	32	-23.95	28	-11.2	22
10	FH3875	-14.32	31	-3.87	8	-9.17	8	-8.23	20	91.51	12	-3.56	12	2.87	6	-39.95	30	-15.93	29	-5.59	13	-10.6	20
11	FH3879	0.77	6	-6.53	11	-9.33	9	11.34	5	116.22	3	5.82	5	-5.97	16	-14.11	17	18.84	3	3.08	4	7.52	1
12	HKH-365	-15.95	34	-51.05	33	-34.04	32	-8.73	21	49.95	24	-33.47	32	-4	13	-45.6	32	-53.69	36	-27.85	31	-14	24
13	IMHSB-18K-01	-4.93	16	-23.62	25	-18.8	17	-2.64	16	64.69	19	-22.7	24	-9.74	20	-40.2	31	-10.14	18	-11.41	20	-13.8	23
14	IMHVS-003	-2.08	12	-9.44	13	-7.13	7	2.37	8	113.06	5	3.72	6	16.19	1	-16.39	21	6.82	8	1.37	5	4.78	5
15	IMHVS-004	-8.36	24	-22.18	23	-19.3	18	-3.22	17	68.76	17	-6.33	13	-14.95	24	-21.72	24	2.73	11	-11.41	19	-2.87	14
16	JH 31950	-1.24	9	-17.3	18	-22	22	-8.98	22	94.53	10	-1.13	10	-4.74	15	-5.21	9	-4.02	15	-7.69	17	-2.43	12
17	JH 32014	-11.92	30	8.32	2	-28.3	26	0.23	9	103.86	8	-15.79	20	-1.91	10	-11.91	15	-14.26	25	-5.66	14	-3.75	16
18	JH 32055	-18.36	35	2.94	4	-14.2	10	18.57	4	91.62	11	-9.89	16	-0.9	9	-8.13	12	4.02	9	-5.31	12	-2.59	13
19	JH 32056	-9.42	26	1.14	5	-6.76	6	20.33	3	74.08	16	-15.3	18	-11.58	21	-23.87	25	11.19	7	1.08	6	3.25	7
20	JH 32057	-4.22	15	-4.15	9	-14.28	11	-1.7	13	77.47	14	0.97	8	9.93	2	6.91	4	16.32	5	-2.65	9	2.51	8
21	JH 32094	-9.12	25	-20.4	20	-15.52	13	8.7	7	44.32	29	2.79	7	5.46	4	5.88	5	3.67	10	-3.85	11	4.38	6
22	KMH 17-38	-6.12	19	-40.34	31	-17.01	14	-13.36	24	27.38	33	-15.39	19	-18.54	27	-6.13	10	-36.51	34	-16.54	23	-16.1	28
23	KMH 17-89	-10.01	27	-34.31	28	-31.66	29	-31.03	31	65.65	18	-39.22	35	-26.28	33	-38.29	29	-13	23	-29.69	33	-19.3	33
24	LMH 3817	-5.03	17	-24.4	26	-44.1	35	-36.45	34	41.51	31	-33.17	30	-15.27	25	-49.73	33	-10.84	21	-24.99	29	-21.8	35
25	LMH 3917	-7.73	23	-38.44	30	-26.96	24	-45.73	35	57.83	22	-35.7	33	-24.79	32	-12.18	16	-7.08	16	-30.41	34	-16.7	29
26	LMH 4017	-15.33	32	-62.98	35	-54.8	36	-51	36	49.57	26	-39.15	34	-29.57	35	-61.98	35	-36.64	35	-44.63	36	-40.6	36
27	RCRMH10(CAH174)	-6.55	20	-23.19	24	-21.69	21	0.2	10	113.46	4	7.8	3	-6.95	18	10.22	1	-10.79	20	-7.94	18	-7.13	18
28	RCRMH11(CAH173)	-3.66	13	6.67	3	-14.84	12	-1.91	14	49.52	27	-8.67	15	-2.48	11	7.9	2	-14.49	26	0.49	7	-4.36	17
29	REH2016-1	-20.24	36	-21.91	22	-33.74	31	-22.74	29	49.72	25	-28.21	28	-31.91	36	-62.31	36	-15.83	28	-21.66	27	-17.3	30
30	VIRAT	-7.25	21	-15.39	15	2.39	2	-2.64	15	64.45	20	-21.19	23	-4.51	14	-21.09	23	-13.91	24	-12.04	22	-10.6	21
31	X104	-15.88	33	-3.27	7	-22.33	23	-3.45	18	37.63	32	-10.94	17	-13.22	23	-6.34	11	-11.61	22	-6.49	15	-3.47	15
32	BIO 605 ©	0	8	0	6	0	3	0	12	0	36	0	9	0	8	0	6	0	13	0	8	0	10
33	DKC 7074 ©	-3.98	14	-12.49	14	-21.36	20	-6.02	19	16.94	34	-2.09	11	0.19	7	6.99	3	-21.43	33	-7.19	16	-2	11
34	PMH 5 ©	-5.64	18	-79.52	36	-28.11	25	-13.94	25	129.38	2	-40.12	36	-23.68	29	-14.84	19	-14.6	27	-33.83	35	-18.2	31
35	VIVEK MAIZE HYBRID 45 (C)	-2.01	11	-18.44	19	-17.01	15	-12.15	23	105.02	7	-18.32	21	-3.06	12	-20.65	22	-7.54	17	-11.58	21	-10.3	19
36	VIVEK MAIZE HYBRID 51 (C)	8.36	3	-20.57	21	-33.5	30	-20.12	27	81.07	13	-24.68	26	-20.55	28	-15.47	20	-16.14	30	-16.69	25	-16.1	27

Table No. 1 (Contd.) **Gain in Yield(%) over DKC 7074 ©**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	-11.96	17	-46.23	36	-10.93	21	-10.12	24	-3.28	30	-21.22	33
2	AH8106	-1.57	15	-1.97	10	13.67	2	0.34	12	63.47	3	13.2	2
3	AH8181	19.82	6	-27.73	27	13.11	3	11.1	4	23.97	16	-0.6	13
4	DH-318	-26.41	27	-19.29	21	-10.63	20	-11.33	28	-14.67	32	-16.59	29
5	DH-319	0.26	12	-31.12	31	-12.46	24	21.39	2	-22.67	34	-15.07	26
6	EH-2936	-16.99	20	15.48	2	-25.62	33	8.08	8	64.44	2	8.96	5
7	EH-3369	-28.23	28	-28.28	28	-39.23	35	-3.28	17	51.13	8	-7.34	18
8	FH3861	42.21	2	15.09	3	6.29	7	1.8	10	26.09	14	7.41	6
9	FH3864	-26.12	26	3.52	4	-13.56	25	9.01	6	9.17	21	0.07	11
10	FH3875	-24.67	25	-31.73	32	-6.25	18	-3.17	15	5.59	22	-15.32	27
11	FH3879	-12.64	19	23.37	1	3.22	9	1.03	11	51.21	7	11.09	3
12	HKH-365	-70.7	36	-14.77	19	-21.31	29	6.88	9	29.86	11	-4.94	16
13	IMHSB-18K-01	42.37	1	-24.39	25	-23.01	30	-30.77	35	-7.19	31	-23.08	34
14	IMHVS-003	-22.57	23	0.83	8	3.68	8	-5.51	18	73.1	1	9.03	4
15	IMHVS-004	0.14	13	-12.58	17	-3.23	14	-1.57	14	26.48	13	-4.02	15
16	JH 31950	-24.06	24	-3.69	12	-4.62	16	-6.94	20	27.45	12	-1.77	14
17	JH 32014	33.1	5	-6.13	15	1.55	11	8.17	7	51.48	6	4.27	9
18	JH 32055	-22.39	22	-30.24	29	-14.94	26	-10.73	27	54.47	4	-7.59	19
19	JH 32056	13.13	7	2.87	5	12.14	4	-11.56	29	40.85	10	6.86	7
20	JH 32057	37.52	4	1.23	6	9.66	5	-3.21	16	54.24	5	6.28	8
21	JH 32094	37.9	3	-11.57	16	29.37	1	29.43	1	47.36	9	16.68	1
22	KMH 17-38	-31.46	30	-30.98	30	-11.68	22	-38.42	36	22.98	17	-19.19	32
23	KMH 17-89	-7.3	16	-3.96	14	-23.64	31	-8.9	23	-2.78	28	-12.56	24
24	LMH 3817	-17.09	21	-20.68	23	-20.42	28	-28.33	34	-1.52	27	-26.09	35
25	LMH 3917	-30.01	29	-15.17	20	-15.68	27	-7.17	21	-2.98	29	-9.15	20
26	LMH 4017	-41.21	33	-39.67	35	-61.11	36	-10.62	25	-26.45	36	-38.73	36
27	RCRMH10(CAH174)	5.85	9	-3.47	11	-7.72	19	-10.7	26	-15.18	33	-10.46	21
28	RCRMH11(CAH173)	7.58	8	1.2	7	-4.96	17	12.63	3	3.86	23	0.5	10
29	REH2016-1	3.44	11	-33.36	33	-23.92	32	10.66	5	2.88	24	-15.82	28
30	VIRAT	-32.82	31	-37.34	34	1.92	10	-12.88	31	11.3	19	-10.47	22
31	X104	-49.8	35	-3.93	13	-12.45	23	-11.98	30	25.19	15	-6.22	17
32	BIO 605 ©	3.77	10	-13.67	18	-3.95	15	-16.63	32	18.38	18	-10.6	23
33	DKC 7074 ©	0	14	0	9	0	13	0	13	0	25	0	12
34	PMH 5 ©	-44.87	34	-23.77	24	-35	34	-6.9	19	10.65	20	-17.17	30
35	VIVEK MAIZE HYBRID 45 (C)	-34.67	32	-26.27	26	6.63	6	-8.57	22	-1.25	26	-13.74	25
36	VIVEK MAIZE HYBRID 51 (C)	-11.98	18	-19.64	22	1.12	12	-21.14	33	-24.24	35	-17.62	31

Table No. 1 (Contd.) **Gain in Yield(%) over DKC 7074 ©**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	-10.68	27	-6.87	24	6.59	18	76.22	7	-9.76	29	-28.62	30	-16.85	24	-11.71	20	-5.32	15	-13.4	22
2	AH8106	-0.68	15	6.92	16	21.26	11	61.2	11	4.8	15	1.83	5	-4.16	11	-14.45	22	-11.75	24	-11.8	19
3	AH8181	16.75	8	12.27	12	-21.24	30	68.91	8	10.32	11	-36.72	34	10.95	2	2.63	10	-0.51	10	0.55	2
4	DH-318	-22.86	32	-9.89	27	37.85	3	39.06	21	-16.21	34	-10.74	15	-5.73	13	-23.64	32	-10.76	23	-14.63	24
5	DH-319	-6.88	23	-11.2	31	6.42	19	79.81	4	-10.17	30	-26.39	29	2.08	4	-9.94	18	-24.03	34	-13.14	20
6	EH-2936	0.58	12	6.33	17	-29.43	33	15.12	30	3.79	16	5.2	3	-5.55	12	11.41	2	-19.14	31	-7.44	13
7	EH-3369	-23.55	33	-10.2	29	-24.92	32	112.81	1	-19.04	35	-19.1	25	-22.83	31	-19.88	29	-3.66	14	-17.52	28
8	FH3861	17.69	7	20.34	7	22.83	10	43.33	19	18.5	5	-14.6	18	-9.19	17	9.63	5	-12.14	25	-3.54	9
9	FH3864	20.53	6	-10	28	1.08	20	58.84	14	11.32	10	-11.63	17	-20.05	28	-17.44	25	-3.49	13	-13.87	23
10	FH3875	-10.61	26	-20.2	35	-2.25	25	7.69	34	-12.05	32	-9.01	14	-11.52	21	-20.9	30	-18.05	29	-20.02	32
11	FH3879	31.33	1	18.55	8	24.29	6	33.54	25	26.01	2	-36.32	33	-14.38	23	19.37	1	11.11	1	-1.21	4
12	HKH-365	-30.68	35	37.08	2	28.66	5	83.89	2	-1.28	19	-3.78	11	-1.46	7	-10.4	19	-10.55	22	-9.33	16
13	IMHSB-18K-01	-10.53	25	3.8	18	0.71	21	57.96	15	-5.2	23	-2.6	9	-19.81	27	-22.53	31	-5.43	16	-16.66	27
14	IMHVS-003	6.6	11	15.65	10	12.58	14	14.46	31	13.46	9	-35.4	32	-20.49	29	10.95	4	-2.61	11	-3.44	7
15	IMHVS-004	25.73	2	-8.38	26	-1.05	23	9.22	32	17.13	7	-80.76	36	-3.59	9	11.04	3	1.02	8	-3	6
16	JH 31950	23.24	4	9.8	13	16.48	12	77.22	6	19.63	4	-14.64	19	-3.92	10	-3.73	13	-7.69	19	-8.79	14
17	JH 32014	-1.04	17	14.67	11	-20.97	29	17.69	29	7.9	13	-8	13	-17.83	25	-14.86	23	-17.78	28	-18.71	29
18	JH 32055	12.47	9	24.21	5	-1.37	24	78.65	5	14.68	8	-11.19	16	-1.97	8	5.64	7	-6.47	18	-5.48	10
19	JH 32056	22.2	5	22.55	6	23.31	7	81.43	3	27.59	1	-17.26	22	-19.08	26	4.64	8	-20.58	32	-13.32	21
20	JH 32057	24.39	3	26.85	4	42.93	2	33.97	24	24.67	3	-17.82	24	-9.65	20	7.38	6	-5.53	17	-6.94	11
21	JH 32094	-2.41	20	26.93	3	8.85	16	55.86	16	7.39	14	1.05	6	-7.02	14	4.31	9	9.07	2	1.87	1
22	KMH 17-38	-0.7	16	-11.3	32	-18.51	28	44.3	18	-6.39	25	2.37	4	-7.08	15	-19.52	28	-26.74	36	-20	31
23	KMH 17-89	-19.01	31	-0.05	22	-47.95	36	32.63	26	-11.9	31	-17.14	21	-26.1	34	-12.47	21	-2.95	12	-14.71	25
24	LMH 3817	-7.69	24	-5.29	23	-11.99	27	58.92	13	-7.6	28	9.37	2	-21.09	30	-26.58	34	-13.17	26	-22.85	34
25	LMH 3917	-12.36	28	-7.42	25	-22.11	31	62.12	10	-6.62	26	-23.44	27	-7.75	16	-17.39	24	4	3	-9.36	17
26	LMH 4017	-32.74	36	-41.5	36	-35.02	34	9.03	33	-36.01	36	-25.17	28	-53.4	36	-39.2	36	-25.86	35	-40.78	36
27	RCRMH10(CAH174)	-13.22	30	1.82	19	14.33	13	21.34	28	-4.42	21	-17.28	23	-13.86	22	-7.63	17	2.39	6	-9.26	15
28	RCRMH11(CAH173)	-1.65	18	-15.2	34	23.22	8	34.24	23	-5.11	22	-19.7	26	-24.51	33	-18.45	26	-20.97	33	-21.1	33
29	REH2016-1	-13.11	29	1.76	20	-39.04	35	26.69	27	-7.03	27	-16.57	20	2.89	3	-26.26	33	-18.59	30	-19.27	30
30	VIRAT	-4.06	21	9.23	14	23.22	9	38.18	22	-1.15	18	-3.55	10	-9.58	18	-18.94	27	-15.03	27	-16.11	26
31	X104	-0.53	14	18.12	9	34.09	4	60.14	12	9.8	12	-6.71	12	0.07	5	-5.63	14	-9.55	21	-7.39	12
32	BIO 605 ©	7.31	10	40.79	1	-4.82	26	5.22	35	17.78	6	-41.02	35	-9.59	19	-2.12	12	3.83	4	-3.44	8
33	DKC 7074 ©	0	13	0	21	0	22	0	36	0	17	0	7	0	6	0	11	0	9	0	3
34	PMH 5 ©	-5.88	22	-13.1	33	12.34	15	54.11	17	-6.26	24	21.82	1	13.55	1	-7.33	16	2.04	7	-2.36	5
35	VIVEK MAIZE HYBRID 45 (C)	-29.19	34	9	15	7.49	17	66.08	9	-12.53	33	-2.19	8	-23.58	32	-6.21	15	3.82	5	-9.62	18
36	VIVEK MAIZE HYBRID 51 (C)	-2.38	19	-11.2	30	52.5	1	42.15	20	-2.96	20	-32.41	31	-30.59	35	-31.63	35	-8.21	20	-24.22	35

Table No. 1 (Contd.) **Gain in Yield(%) over DKC 7074 ©**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dhar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	14.43	1	-5.08	17	-10.2	27	-22.5	30	81.31	6	-31.79	31	-12.3	22	-35.23	26	29.02	12	-10.14	24	-13.44	25
2	AH8106	13.64	2	8.12	10	31.1	1	28.13	2	34.58	23	21.64	1	-6.63	17	-10.35	8	48.96	4	19.46	1	8.64	2
3	AH8181	4.67	7	33.32	1	5.35	16	32.38	1	50.01	15	17.77	2	8.67	3	-15.87	13	81.02	1	16.48	2	7.66	3
4	DH-318	-3.78	22	-49.2	34	-11.6	28	-9.29	26	-8.24	35	-22.41	25	-24.2	30	-16.37	14	4	31	-21.74	30	-17.8	34
5	DH-319	2.74	10	-39	32	-26.3	34	-31.7	33	26.99	28	-31.26	29	-9.52	19	-9.97	7	14.01	19	-23.78	32	-17.54	32
6	EH-2936	11.04	5	5.26	12	22.75	5	6.45	11	22.28	30	-6.56	14	-24.9	31	-40.48	28	43.43	6	3.74	10	2.4	9
7	EH-3369	-6.87	28	-22.6	27	2.01	19	-16.2	28	66.97	9	-23.18	27	-27.1	34	-54.49	34	22.81	14	-12.93	26	-13.83	26
8	FH3861	11.08	4	-4.62	16	24.08	4	18.13	6	100.08	1	8.28	4	3.26	5	-19.94	18	61.32	2	11.51	3	7.64	4
9	FH3864	-8.21	29	-26.4	29	-21.9	33	-28.2	32	38.74	21	-18.17	22	-17.9	26	-40.35	27	2.77	32	-18.06	28	-9.36	22
10	FH3875	-10.77	31	9.85	8	15.51	8	-2.34	20	63.77	12	-1.5	12	2.67	6	-43.87	30	6.99	29	1.73	13	-8.8	20
11	FH3879	4.96	6	6.81	11	15.31	9	18.47	5	84.89	3	8.08	5	-6.15	16	-19.72	17	51.25	3	11.07	4	9.71	1
12	HKH-365	-12.46	34	-44.1	33	-16.1	32	-2.88	21	28.22	24	-32.05	32	-4.19	13	-49.15	32	-41.06	36	-22.26	31	-12.26	24
13	IMHSB-18K-01	-0.99	16	-12.7	25	3.26	17	3.6	16	40.83	19	-21.05	24	-9.91	20	-44.11	31	14.37	18	-4.55	20	-12	23
14	IMHVS-003	1.98	12	3.49	13	18.1	7	8.94	8	82.19	5	5.94	6	15.97	1	-21.85	21	35.96	8	9.22	5	6.92	5
15	IMHVS-004	-4.56	24	-11.1	23	2.63	18	2.99	17	44.31	17	-4.33	13	-15.1	24	-26.83	24	30.74	11	-4.54	19	-0.88	14
16	JH 31950	2.86	9	-5.5	18	-0.82	22	-3.15	22	66.34	10	0.98	10	-4.93	15	-11.4	9	22.15	15	-0.54	17	-0.44	12
17	JH 32014	-8.26	30	23.77	2	-8.82	26	6.65	9	74.32	8	-13.99	20	-2.1	10	-17.67	15	9.12	25	1.65	14	-1.79	16
18	JH 32055	-14.97	35	17.63	4	9.12	10	26.17	4	63.86	11	-7.97	16	-1.09	9	-14.13	12	32.39	9	2.03	12	-0.6	13
19	JH 32056	-5.66	26	15.57	5	18.57	6	28.04	3	48.86	16	-13.49	18	-11.8	21	-28.84	25	41.52	7	8.92	6	5.35	7
20	JH 32057	-0.25	15	9.52	9	9	11	4.6	13	51.75	14	3.13	8	9.72	2	-0.08	4	48.05	5	4.89	9	4.61	8
21	JH 32094	-5.35	25	-9.04	20	7.43	13	15.67	7	23.41	29	4.98	7	5.26	4	-1.04	5	31.95	10	3.6	11	6.51	6
22	KMH 17-38	-2.23	19	-31.8	31	5.54	14	-7.81	24	8.92	33	-13.58	19	-18.7	27	-12.26	10	-19.2	34	-10.07	23	-14.39	28
23	KMH 17-89	-6.28	27	-24.9	28	-13.1	29	-26.6	31	41.65	18	-37.92	35	-26.4	33	-42.33	29	10.73	23	-24.24	33	-17.64	33
24	LMH 3817	-1.09	17	-13.6	26	-28.9	35	-32.4	34	21	31	-31.74	30	-15.4	25	-53.01	33	13.48	21	-19.18	29	-20.17	35
25	LMH 3917	-3.91	23	-29.7	30	-7.11	24	-42.3	35	34.96	22	-34.33	33	-24.9	32	-17.92	16	18.26	16	-25.02	34	-15.04	29
26	LMH 4017	-11.81	32	-57.7	35	-42.5	36	-47.9	36	27.89	26	-37.85	34	-29.7	35	-64.46	35	-19.37	35	-40.34	36	-39.38	36
27	RCRMH10(CAH174)	-2.67	20	-12.2	24	-0.41	21	6.63	10	82.53	4	10.1	3	-7.13	18	3.02	1	13.54	20	-0.8	18	-5.23	18
28	RCRMH11(CAH173)	0.34	13	21.88	3	8.3	12	4.38	14	27.86	27	-6.72	15	-2.66	11	0.84	2	8.83	26	8.28	7	-2.41	17
29	REH2016-1	-16.93	36	-10.8	22	-15.7	31	-17.8	29	28.03	25	-26.68	28	-32	36	-64.78	36	7.13	28	-15.59	27	-15.56	30
30	VIRAT	-3.4	21	-3.32	15	30.21	2	3.6	15	40.62	20	-19.51	23	-4.7	14	-26.25	23	9.57	24	-5.23	22	-8.82	21
31	X104	-12.39	33	10.53	7	-1.23	23	2.74	18	17.68	32	-9.03	17	-13.4	23	-12.46	11	12.49	22	0.76	15	-1.5	15
32	BIO 605 ©	4.15	8	14.27	6	27.17	3	6.41	12	-14.49	36	2.14	9	-0.19	8	-6.54	6	27.27	13	7.75	8	2.04	10
33	DKC 7074 ©	0	14	0	14	0	20	0	19	0	34	0	11	0	7	0	3	0	33	0	16	0	11
34	PMH 5 ©	-1.73	18	-76.6	36	-8.57	25	-8.42	25	96.14	2	-38.84	36	-23.8	29	-20.4	19	8.69	27	-28.7	35	-16.53	31
35	VIVEK MAIZE HYBRID 45 (C)	2.05	11	-6.81	19	5.54	15	-6.52	23	75.31	7	-16.58	21	-3.24	12	-25.84	22	17.68	17	-4.73	21	-8.46	19
36	VIVEK MAIZE HYBRID 51 (C)	12.86	3	-9.24	21	-15.4	30	-15	27	54.83	13	-23.07	26	-20.7	28	-20.99	20	6.73	30	-10.24	25	-14.34	27

Table No. 1 (Contd.) **Gain in Yield(%) over PMH 5 ©**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	59.69	17	-29.46	36	37.02	21	-3.46	24	-12.59	30	-4.89	33
2	AH8106	78.54	15	28.59	10	74.88	2	7.78	12	47.74	3	36.67	2
3	AH8181	117.33	6	-5.2	27	74.02	3	19.34	4	12.04	16	20	13
4	DH-318	33.49	27	5.88	21	37.49	20	-4.76	28	-22.88	32	0.7	29
5	DH-319	81.86	12	-9.64	31	34.67	24	30.4	2	-30.11	34	2.53	26
6	EH-2936	50.57	20	51.48	2	14.42	33	16.09	8	48.61	2	31.54	5
7	EH-3369	30.18	28	-5.91	28	-6.5	35	3.9	17	36.58	8	11.87	18
8	FH3861	157.94	2	50.98	3	63.52	7	9.35	10	13.95	14	29.67	6
9	FH3864	34	26	35.79	4	32.98	25	17.09	6	-1.33	21	20.82	11
10	FH3875	36.64	25	-10.44	32	44.23	18	4.01	15	-4.57	22	2.23	27
11	FH3879	58.45	19	61.84	1	58.79	9	8.52	11	36.66	7	34.12	3
12	HKH-365	-46.85	36	11.8	19	21.06	29	14.81	9	17.36	11	14.76	16
13	IMHSB-18K-01	158.24	1	-0.81	25	18.45	30	-25.64	35	-16.12	31	-7.14	34
14	IMHVS-003	40.44	23	32.27	8	59.5	8	1.49	18	56.44	1	31.63	4
15	IMHVS-004	81.64	13	14.68	17	48.88	14	5.73	14	14.31	13	15.88	15
16	JH 31950	37.75	24	26.33	12	46.73	16	-0.04	20	15.19	12	18.59	14
17	JH 32014	141.43	5	23.14	15	56.23	11	16.19	7	36.9	6	25.89	9
18	JH 32055	40.77	22	-8.49	29	30.86	26	-4.11	27	39.6	4	11.57	19
19	JH 32056	105.2	7	34.94	5	72.51	4	-5	29	27.3	10	29.01	7
20	JH 32057	149.44	4	32.79	6	68.71	5	3.97	16	39.4	5	28.31	8
21	JH 32094	150.12	3	16.01	16	99.03	1	39.03	1	33.17	9	40.86	1
22	KMH 17-38	24.31	30	-9.46	30	35.87	22	-33.86	36	11.15	17	-2.44	32
23	KMH 17-89	68.14	16	25.99	14	17.48	31	-2.14	23	-12.14	28	5.56	24
24	LMH 3817	50.38	21	4.05	23	22.42	28	-23.01	34	-10.99	27	-10.77	35
25	LMH 3917	26.95	29	11.28	20	29.72	27	-0.29	21	-12.32	29	9.69	20
26	LMH 4017	6.63	33	-20.86	35	-40.18	36	-4	25	-33.53	36	-26.03	36
27	RCRMH10(CAH174)	92	9	26.63	11	41.96	19	-4.08	26	-23.34	33	8.1	21
28	RCRMH11(CAH173)	95.13	8	32.75	7	46.22	17	20.98	3	-6.14	23	21.33	10
29	REH2016-1	87.62	11	-12.58	33	17.05	32	18.87	5	-7.02	24	1.63	28
30	VIRAT	21.86	31	-17.81	34	56.8	10	-6.42	31	0.59	19	8.09	22
31	X104	-8.95	35	26.02	13	34.7	23	-5.46	30	13.14	15	13.22	17
32	BIO 605 ©	88.23	10	13.24	18	47.76	15	-10.44	32	6.99	18	7.93	23
33	DKC 7074 ©	81.38	14	31.18	9	53.84	13	7.42	13	-9.62	25	20.73	12
34	PMH 5 ©	0	34	0	24	0	34	0	19	0	20	0	30
35	VIVEK MAIZE HYBRID 45 (C)	18.5	32	-3.29	26	64.05	6	-1.79	22	-10.76	26	4.14	25
36	VIVEK MAIZE HYBRID 51 (C)	59.66	18	5.41	22	55.57	12	-15.29	33	-31.53	35	-0.55	31

Table No. 1 (Contd.) **Gain in Yield(%) over PMH 5 ©**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pant_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	-5.1	27	7.13	24	-5.12	18	14.35	7	-3.73	29	-41.4	30	-26.78	24	-4.73	20	-7.21	15	-11.31	22
2	AH8106	5.52	15	22.98	16	7.93	11	4.6	11	11.8	15	-16.41	5	-15.6	11	-7.69	22	-13.5	24	-9.67	19
3	AH8181	24.05	8	29.14	12	-29.89	30	9.6	8	17.68	11	-48.06	34	-2.29	2	10.75	10	-2.5	10	2.98	2
4	DH-318	-18.04	32	3.65	27	22.7	3	-9.76	21	-10.61	34	-26.72	15	-16.98	13	-17.6	32	-12.6	23	-12.57	24
5	DH-319	-1.06	23	2.16	31	-5.27	19	16.68	4	-4.17	30	-39.58	29	-10.1	4	-2.82	18	-25.6	34	-11.04	20
6	EH-2936	6.87	12	22.31	17	-37.19	33	-25.3	30	10.72	16	-13.64	3	-16.83	12	20.21	2	-20.8	31	-5.2	13
7	EH-3369	-18.77	33	3.31	29	-33.17	32	38.09	1	-13.63	35	-33.59	25	-32.04	31	-13.54	29	-5.58	14	-15.53	28
8	FH3861	25.05	7	38.42	7	9.33	10	-6.99	19	26.41	5	-29.89	18	-20.03	17	18.3	5	-13.9	25	-1.21	9
9	FH3864	28.06	6	3.53	28	-10.02	20	3.07	14	18.75	10	-27.46	17	-29.59	28	-10.91	25	-5.42	13	-11.79	23
10	FH3875	-5.02	26	-8.26	35	-12.99	25	-30.12	34	-6.18	32	-25.31	14	-22.08	21	-14.65	30	-19.7	29	-18.09	32
11	FH3879	39.54	1	36.37	8	10.64	6	-13.35	25	34.42	2	-47.72	33	-24.6	23	28.81	1	8.89	1	1.18	4
12	HKH-365	-26.35	35	57.68	2	14.53	5	19.33	2	5.31	19	-21.01	11	-13.22	7	-3.32	19	-12.3	22	-7.14	16
13	IMHSB-18K-01	-4.94	25	19.39	18	-10.36	21	2.5	15	1.13	23	-20.05	9	-29.38	27	-16.41	31	-7.32	16	-14.65	27
14	IMHVS-003	13.26	11	33.03	10	0.21	14	-25.73	31	21.04	9	-46.97	32	-29.98	29	19.72	4	-4.55	11	-1.11	7
15	IMHVS-004	33.59	2	5.39	26	-11.92	23	-29.13	32	24.95	7	-84.2	36	-15.09	9	19.82	3	-1	8	-0.66	6
16	JH 31950	30.94	4	26.3	13	3.68	12	15	6	27.62	4	-29.93	19	-15.39	10	3.88	13	-9.53	19	-6.59	14
17	JH 32014	5.14	17	31.9	11	-29.65	29	-23.63	29	15.11	13	-24.48	13	-27.64	25	-8.13	23	-19.4	28	-16.74	29
18	JH 32055	19.5	9	42.88	5	-12.21	24	15.93	5	22.33	8	-27.09	16	-13.67	8	13.99	7	-8.34	18	-3.2	10
19	JH 32056	29.83	5	40.96	6	9.76	7	17.73	3	36.11	1	-32.08	22	-28.74	26	12.91	8	-22.2	32	-11.23	21
20	JH 32057	32.16	3	45.91	4	27.22	2	-13.07	24	32.99	3	-32.54	24	-20.43	20	15.87	6	-7.42	17	-4.69	11
21	JH 32094	3.69	20	46.01	3	-3.11	16	1.14	16	14.56	14	-17.05	6	-18.12	14	12.56	9	6.89	2	4.33	1
22	KMH 17-38	5.5	16	2.02	32	-27.47	28	-6.36	18	-0.14	25	-15.96	4	-18.17	15	-13.16	28	-28.2	36	-18.07	31
23	KMH 17-89	-13.95	31	14.97	22	-53.67	36	-13.93	26	-6.02	31	-31.98	21	-34.92	34	-5.55	21	-4.89	12	-12.65	25
24	LMH 3817	-1.92	24	8.95	23	-21.66	27	3.12	13	-1.43	28	-10.22	2	-30.51	30	-20.78	34	-14.9	26	-20.99	34
25	LMH 3917	-6.88	28	6.49	25	-30.67	31	5.2	10	-0.39	26	-37.16	27	-18.76	16	-10.86	24	1.92	3	-7.17	17
26	LMH 4017	-28.54	36	-32.7	36	-42.16	34	-29.25	33	-31.74	36	-38.57	28	-58.96	36	-34.4	36	-27.3	35	-39.35	36
27	RCRMH10(CAH174)	-7.8	30	17.12	19	1.77	13	-21.26	28	1.96	21	-32.09	23	-24.14	22	-0.33	17	0.35	6	-7.07	15
28	RCRMH11(CAH173)	4.5	18	-2.5	34	9.68	8	-12.89	23	1.23	22	-34.08	26	-33.52	33	-12.01	26	-22.6	33	-19.19	33
29	REH2016-1	-7.68	29	17.05	20	-45.74	35	-17.79	27	-0.83	27	-31.51	20	-9.39	3	-20.43	33	-20.2	30	-17.32	30
30	VIRAT	1.94	21	25.65	14	9.68	9	-10.34	22	5.45	18	-20.83	10	-20.37	18	-12.53	27	-16.7	27	-14.08	26
31	X104	5.69	14	35.87	9	19.36	4	3.92	12	17.13	12	-23.41	12	-11.88	5	1.83	14	-11.4	21	-5.15	12
32	BIO 605 ©	14.02	10	61.94	1	-15.28	26	-31.72	35	25.64	6	-51.58	35	-20.38	19	5.62	12	1.75	4	-1.11	8
33	DKC 7074 ©	6.25	13	15.03	21	-10.99	22	-35.11	36	6.68	17	-17.91	7	-11.94	6	7.91	11	-2	9	2.41	3
34	PMH 5 ©	0	22	0	33	0	15	0	17	0	24	0	1	0	1	0	16	0	7	0	5
35	VIVEK MAIZE HYBRID 45 (C)	-24.77	34	25.38	15	-4.32	17	7.77	9	-6.69	33	-19.7	8	-32.7	32	1.21	15	1.75	5	-7.43	18
36	VIVEK MAIZE HYBRID 51 (C)	3.72	19	2.2	30	35.75	1	-7.76	20	3.52	20	-44.51	31	-38.87	35	-26.22	35	-10	20	-22.39	35

Table No. 1 (Contd.) **Gain in Yield(%) over PMH 5 ©**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mandya_KR		Peddap_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	R	Gain	R
1	AH 1619	16.44	1	305.62	17	-1.74	27	-15.37	30	-7.56	6	11.53	31	15.18	22	-18.62	26	18.7	12	26.04	24	3.7	25
2	AH8106	15.63	2	362.03	10	43.39	1	39.91	2	-31.4	23	98.9	1	22.58	17	12.62	8	37.04	4	67.55	1	30.16	2
3	AH8181	6.51	7	469.7	1	15.23	16	44.55	1	-23.5	15	92.58	2	42.66	3	5.7	13	66.54	1	63.38	2	28.99	3
4	DH-318	-2.09	22	117.09	34	-3.27	28	-0.95	26	-53.2	35	26.88	25	-0.5	30	5.07	14	-4.32	31	9.77	30	-1.52	34
5	DH-319	4.55	10	160.79	32	-19.4	34	-25.36	33	-35.3	28	12.4	29	18.78	19	13.11	7	4.89	19	6.9	32	-1.21	32
6	EH-2936	12.99	5	349.78	12	34.27	5	16.24	11	-37.7	30	52.79	14	-1.38	31	-25.22	28	31.96	6	45.51	10	22.68	9
7	EH-3369	-5.24	28	230.62	27	11.58	19	-8.5	28	-14.9	9	25.62	27	-4.32	34	-42.82	34	12.99	14	22.12	26	3.23	26
8	FH3861	13.04	4	307.57	16	35.72	4	28.99	6	2.01	1	77.05	4	35.55	5	0.58	18	48.42	2	56.41	3	28.96	4
9	FH3864	-6.6	29	214.32	29	-14.6	33	-21.61	32	-29.3	21	33.81	22	7.83	26	-25.06	27	-5.45	32	14.93	28	8.58	22
10	FH3875	-9.2	31	369.39	8	26.34	8	6.64	20	-16.5	12	61.07	12	34.79	6	-29.49	30	-1.57	29	42.68	13	9.26	20
11	FH3879	6.8	6	356.4	11	26.12	9	29.37	5	-5.74	3	76.73	5	23.2	16	0.86	17	39.15	3	55.78	4	31.44	1
12	HKH-365	-10.92	34	139.03	33	-8.25	32	6.05	21	-34.6	24	11.11	32	25.78	13	-36.12	32	-45.78	36	9.04	31	5.11	24
13	IMHSB-18K-01	0.75	16	272.93	25	12.94	17	13.13	16	-28.2	19	29.11	24	18.26	20	-29.78	31	5.22	18	33.88	20	5.42	23
14	IMHVS-003	3.78	12	342.21	13	29.17	7	18.95	8	-7.12	5	73.23	6	52.24	1	-1.82	21	25.08	8	53.19	5	28.1	5
15	IMHVS-004	-2.88	24	279.96	23	12.25	18	12.46	17	-26.4	17	56.44	13	11.43	24	-8.08	24	20.28	11	33.89	19	18.75	14
16	JH 31950	4.66	9	303.81	18	8.49	22	5.76	22	-15.2	10	65.13	10	24.81	15	11.3	9	12.38	15	39.5	17	19.27	12
17	JH 32014	-6.65	30	428.9	2	-0.27	26	16.46	9	-11.1	8	40.64	20	28.52	10	3.44	15	0.39	25	42.58	14	17.66	16
18	JH 32055	-13.48	35	402.65	4	19.35	10	37.78	4	-16.5	11	50.49	16	29.85	9	7.88	12	21.8	9	43.11	12	19.09	13
19	JH 32056	-4	26	393.84	5	29.69	6	39.82	3	-24.1	16	41.46	18	15.85	21	-10.6	25	30.2	7	52.77	6	26.22	7
20	JH 32057	1.51	15	368	9	19.23	11	14.22	13	-22.6	14	68.63	8	44.04	2	25.54	4	36.2	5	47.12	9	25.32	8
21	JH 32094	-3.69	25	288.69	20	17.51	13	26.3	7	-37.1	29	71.66	7	38.18	4	24.32	5	21.39	10	45.3	11	27.61	6
22	KMH 17-38	-0.51	19	191.3	31	15.44	14	0.67	24	-44.5	33	41.31	19	6.73	27	10.23	10	-25.66	34	26.13	23	2.56	28
23	KMH 17-89	-4.63	27	220.74	28	-4.95	29	-19.86	31	-27.8	18	1.51	35	-3.41	33	-27.54	29	1.87	23	6.25	33	-1.33	33
24	LMH 3817	0.65	17	269.12	26	-22.3	35	-26.15	34	-38.3	31	11.61	30	11.02	25	-40.97	33	4.4	21	13.35	29	-4.36	35
25	LMH 3917	-2.22	23	200.58	30	1.6	24	-36.94	35	-31.2	22	7.38	33	-1.46	32	3.12	16	8.8	16	5.17	34	1.78	29
26	LMH 4017	-10.26	32	80.77	35	-37.1	36	-43.07	36	-34.8	26	1.63	34	-7.72	35	-55.35	35	-25.82	35	-16.3	36	-27.4	36
27	RCRMH10(CAH174)	-0.96	20	275.03	24	8.93	21	16.43	10	-6.94	4	80.04	3	21.91	18	29.42	1	4.46	20	39.13	18	13.54	18
28	RCRMH11(CAH173)	2.11	13	420.82	3	18.45	12	13.98	14	-34.8	27	52.53	15	27.78	11	26.69	2	0.13	26	51.87	7	16.92	17
29	REH2016-1	-15.47	36	281.29	22	-7.83	31	-10.23	29	-34.7	25	19.89	28	-10.8	36	-55.75	36	-1.44	28	18.39	27	1.16	30
30	VIRAT	-1.7	21	313.13	15	42.42	2	13.13	15	-28.3	20	31.62	23	25.11	14	-7.35	23	0.81	24	32.93	22	9.24	21
31	X104	-10.85	33	372.31	7	8.03	23	12.19	18	-40	32	48.75	17	13.7	23	9.97	11	3.49	22	41.32	15	18	15
32	BIO 605 ©	5.98	8	388.28	6	39.09	3	16.2	12	-56.4	36	67.01	9	31.02	8	17.42	6	17.09	13	51.13	8	22.25	10
33	DKC 7074 ©	1.76	14	327.32	14	9.38	20	9.19	19	-49	34	63.52	11	31.28	7	25.63	3	-8	33	40.26	16	19.8	11
34	PMH 5 ©	0	18	0	36	0	25	0	25	0	2	0	36	0	29	0	19	0	27	0	35	0	31
35	VIVEK MAIZE HYBRID 45 (C)	3.85	11	298.23	19	15.43	15	2.08	23	-10.6	7	36.41	21	27.02	12	-6.83	22	8.26	17	33.63	21	9.67	19
36	VIVEK MAIZE HYBRID 51 (C)	14.84	3	287.84	21	-7.5	30	-7.18	27	-21.1	13	25.79	26	4.1	28	-0.74	20	-1.81	30	25.9	25	2.62	27

Table No. 1 (Contd.) **Gain in Yield(%) over VIVEK MAIZE HYBRID 45 (Check)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	34.76	17	-27.06	36	-16.47	21	-1.7	24	-2.06	30	-8.67	33
2	AH8106	50.67	15	32.96	10	6.6	2	9.75	12	65.55	3	31.24	2
3	AH8181	83.4	6	-1.98	27	6.08	3	21.52	4	25.55	16	15.24	13
4	DH-318	12.65	27	9.48	21	-16.19	20	-3.02	28	-13.58	32	-3.31	29
5	DH-319	53.47	12	-6.57	31	-17.9	24	32.77	2	-21.69	34	-1.54	26
6	EH-2936	27.06	20	56.63	2	-30.25	33	18.21	8	66.53	2	26.32	5
7	EH-3369	9.86	28	-2.71	28	-43.01	35	5.79	17	53.05	8	7.43	18
8	FH3861	117.68	2	56.11	3	-0.32	7	11.35	10	27.69	14	24.52	6
9	FH3864	13.09	26	40.41	4	-18.94	25	19.23	6	10.56	21	16.02	11
10	FH3875	15.31	25	-7.4	32	-12.08	18	5.91	15	6.93	22	-1.83	27
11	FH3879	33.72	19	67.34	1	-3.2	9	10.5	11	53.13	7	28.79	3
12	HKH-365	-55.15	36	15.6	19	-26.2	29	16.9	9	31.51	11	10.2	16
13	IMHSB-18K-01	117.93	1	2.56	25	-27.8	30	-24.28	35	-6.01	31	-10.83	34
14	IMHVS-003	18.52	23	36.76	8	-2.77	8	3.35	18	75.3	1	26.4	4
15	IMHVS-004	53.28	13	18.58	17	-9.25	14	7.66	14	28.08	13	11.27	15
16	JH 31950	16.25	24	30.63	12	-10.55	16	1.78	20	29.07	12	13.88	14
17	JH 32014	103.74	5	27.33	15	-4.77	11	18.31	7	53.4	6	20.88	9
18	JH 32055	18.79	22	-5.38	29	-20.23	26	-2.36	27	56.43	4	7.14	19
19	JH 32056	73.17	7	39.53	5	5.16	4	-3.27	29	42.64	10	23.88	7
20	JH 32057	110.5	4	37.3	6	2.84	5	5.86	16	56.2	5	23.21	8
21	JH 32094	111.08	3	19.95	16	21.33	1	41.57	1	49.23	9	35.27	1
22	KMH 17-38	4.91	30	-6.38	30	-17.18	22	-32.65	36	24.55	17	-6.31	32
23	KMH 17-89	41.89	16	30.27	14	-28.39	31	-0.35	23	-1.55	28	1.37	24
24	LMH 3817	26.9	21	7.58	23	-25.37	28	-21.61	34	-0.26	27	-14.31	35
25	LMH 3917	7.13	29	15.06	20	-20.92	27	1.53	21	-1.75	29	5.33	20
26	LMH 4017	-10.02	33	-18.17	35	-63.53	36	-2.24	25	-25.52	36	-28.97	36
27	RCRMH10(CAH174)	62.02	9	30.93	11	-13.46	19	-2.33	26	-14.1	33	3.81	21
28	RCRMH11(CAH173)	64.67	8	37.27	7	-10.87	17	23.19	3	5.17	23	16.51	10
29	REH2016-1	58.33	11	-9.61	33	-28.65	32	21.04	5	4.19	24	-2.41	28
30	VIRAT	2.83	31	-15.01	34	-4.42	10	-4.71	31	12.71	19	3.79	22
31	X104	-23.17	35	30.3	13	-17.89	23	-3.73	30	26.78	15	8.72	17
32	BIO 605 ©	58.84	10	17.09	18	-9.92	15	-8.81	32	19.89	18	3.64	23
33	DKC 7074 ©	53.07	14	35.64	9	-6.22	13	9.38	13	1.27	25	15.93	12
34	PMH 5 ©	-15.61	34	3.4	24	-39.04	34	1.82	19	12.05	20	-3.97	30
35	VIVEK MAIZE HYBRID 45 ©	0	32	0	26	0	6	0	22	0	26	0	25
36	VIVEK MAIZE HYBRID 51 (C)	34.73	18	9	22	-5.17	12	-13.75	33	-23.28	35	-4.5	31

Table No. 1 (Contd.) **Gain in Yield(%) over VIVEK MAIZE HYBRID 45 (Check)**

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pant_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	26.15	27	-14.6	24	-0.83	18	6.11	7	3.17	29	-27.02	30	8.79	24	-5.87	20	-8.81	15	-4.19	22
2	AH8106	40.26	15	-1.91	16	12.81	11	-2.94	11	19.82	15	4.1	5	25.41	11	-8.79	22	-15	24	-2.42	19
3	AH8181	64.89	8	3	12	-26.72	30	1.7	8	26.13	11	-35.31	34	45.18	2	9.42	10	-4.18	10	11.25	2
4	DH-318	8.95	32	-17.3	27	28.25	3	-16.27	21	-4.2	34	-8.74	15	23.36	13	-18.58	32	-14.1	23	-5.54	24
5	DH-319	31.52	23	-18.5	31	-0.99	19	8.26	4	2.7	30	-24.75	29	33.57	4	-3.98	18	-26.8	34	-3.9	20
6	EH-2936	42.05	12	-2.44	17	-34.35	33	-30.68	30	18.66	16	7.55	3	23.58	12	18.78	2	-22.1	31	2.41	13
7	EH-3369	7.97	33	-17.6	29	-30.15	32	28.14	1	-7.43	35	-17.29	25	0.98	31	-14.58	29	-7.21	14	-8.75	28
8	FH3861	66.22	7	10.4	7	14.27	10	-13.7	19	35.48	5	-12.69	18	18.83	17	16.88	5	-15.4	25	6.73	9
9	FH3864	70.22	6	-17.4	28	-5.96	20	-4.36	14	27.27	10	-9.65	17	4.62	28	-11.97	25	-7.04	13	-4.71	23
10	FH3875	26.24	26	-26.8	35	-9.06	25	-35.16	34	0.55	32	-6.98	14	15.78	21	-15.67	30	-21.1	29	-11.51	32
11	FH3879	85.48	1	8.77	8	15.63	6	-19.6	25	44.06	2	-34.89	33	12.03	23	27.27	1	7.02	1	9.3	4
12	HKH-365	-2.1	35	25.77	2	19.7	5	10.72	2	12.87	19	-1.63	11	28.94	7	-4.48	19	-13.9	22	0.31	16
13	IMHSB-18K-01	26.36	25	-4.77	18	-6.31	21	-4.89	15	8.38	23	-0.42	9	4.93	27	-17.41	31	-8.91	16	-7.79	27
14	IMHVS-003	50.55	11	6.1	10	4.74	14	-31.09	31	29.72	9	-33.96	32	4.04	29	18.29	4	-6.2	11	6.83	7
15	IMHVS-004	77.57	2	-15.9	26	-7.94	23	-34.24	32	33.92	7	-80.33	36	26.16	9	18.39	3	-2.7	8	7.32	6
16	JH 31950	74.05	4	0.73	13	8.36	12	6.71	6	36.77	4	-12.73	19	25.72	10	2.63	13	-11.1	19	0.91	14
17	JH 32014	39.75	17	5.21	11	-26.47	29	-29.14	29	23.36	13	-5.94	13	7.51	25	-9.22	23	-20.8	28	-10.06	29
18	JH 32055	58.84	9	13.96	5	-8.24	24	7.57	5	31.11	8	-9.2	16	28.27	8	12.63	7	-9.91	18	4.58	10
19	JH 32056	72.58	5	12.43	6	14.72	7	9.24	3	45.87	1	-15.41	22	5.89	26	11.56	8	-23.5	32	-4.1	21
20	JH 32057	75.67	3	16.38	4	32.97	2	-19.34	24	42.53	3	-15.99	24	18.23	20	14.48	6	-9.01	17	2.96	11
21	JH 32094	37.83	20	16.45	3	1.27	16	-6.16	16	22.77	14	3.31	6	21.66	14	11.21	9	5.05	2	12.71	1
22	KMH 17-38	40.23	16	-18.6	32	-24.19	28	-13.12	18	7.02	25	4.66	4	21.59	15	-14.2	28	-29.4	36	-11.5	31
23	KMH 17-89	14.38	31	-8.3	22	-51.57	36	-20.14	26	0.72	31	-15.29	21	-3.3	34	-6.68	21	-6.52	12	-5.64	25
24	LMH 3817	30.37	24	-13.1	23	-18.12	27	-4.31	13	5.64	28	11.82	2	3.25	30	-21.73	34	-16.4	26	-14.64	34
25	LMH 3917	23.78	28	-15.1	25	-27.53	31	-2.38	10	6.76	26	-21.73	27	20.71	16	-11.92	24	0.17	3	0.28	17
26	LMH 4017	-5.01	36	-46.3	36	-39.55	34	-34.35	33	-26.84	36	-23.5	28	-39.03	36	-35.18	36	-28.6	35	-34.48	36
27	RCRMH10(CAH174)	22.56	30	-6.58	19	6.36	13	-26.94	28	9.27	21	-15.43	23	12.72	22	-1.52	17	-1.38	6	0.4	15
28	RCRMH11(CAH173)	38.9	18	-22.2	34	14.63	8	-19.17	23	8.49	22	-17.9	26	-1.22	33	-13.06	26	-23.9	33	-12.7	33
29	REH2016-1	22.71	29	-6.64	20	-43.29	35	-23.72	27	6.29	27	-14.71	20	34.63	3	-21.39	33	-21.6	30	-10.68	30
30	VIRAT	35.5	21	0.22	14	14.63	9	-16.8	22	13.01	18	-1.4	10	18.31	18	-13.57	27	-18.2	27	-7.18	26
31	X104	40.48	14	8.37	9	24.75	4	-3.58	12	25.53	12	-4.62	12	30.94	5	0.62	14	-12.9	21	2.47	12
32	BIO 605 ©	51.55	10	29.16	1	-11.45	26	-36.64	35	34.66	6	-39.7	35	18.3	19	4.36	12	0	4	6.83	8
33	DKC 7074 ©	41.23	13	-8.26	21	-6.97	22	-39.79	36	14.33	17	2.24	7	30.85	6	6.62	11	-3.68	9	10.64	3
34	PMH 5 ©	32.92	22	-20.2	33	4.52	15	-7.21	17	7.17	24	24.54	1	48.58	1	-1.2	16	-1.72	7	8.03	5
35	VIVEK MAIZE HYBRID 45 ©	0	34	0	15	0	17	0	9	0	33	0	8	0	32	0	15	0	5	0	18
36	VIVEK MAIZE HYBRID 51 (C)	37.87	19	-18.5	30	41.88	1	-14.41	20	10.95	20	-30.9	31	-9.17	35	-27.1	35	-11.6	20	-16.16	35

Table No. 1 (Contd.) **Gain in Yield(%) over VIVEK MAIZE HYBRID 45 (Check)**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedd_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	R	Gain	Rank	Gain	Rank	Gain	R	Gain	R
1	AH 1619	12.13	1	1.85	17	-14.87	27	-17.09	30	3.42	6	-18.2	31	-9.32	22	-12.66	26	9.64	12	-5.68	24	-5.44	25
2	AH8106	11.35	2	16.02	10	24.22	1	37.06	2	-23.23	23	45.81	1	-3.5	17	20.88	8	26.58	4	25.38	1	18.68	2
3	AH8181	2.56	7	43.06	1	-0.18	16	41.61	1	-14.43	15	41.18	2	12.31	3	13.45	13	53.83	1	22.26	2	17.61	3
4	DH-318	-5.72	22	-45.49	34	-16.21	28	-2.96	26	-47.66	35	-6.99	25	-21.7	30	12.77	14	-11.62	31	-17.86	30	-10.2	34
5	DH-319	0.68	10	-34.51	32	-30.2	34	-26.88	33	-27.56	28	-17.6	29	-6.48	19	21.39	7	-3.12	19	-20	32	-9.92	32
6	EH-2936	8.81	5	12.94	12	16.31	5	13.87	11	-30.25	30	12.01	14	-22.4	31	-19.74	28	21.89	6	8.89	10	11.86	9
7	EH-3369	-8.75	28	-16.98	27	-3.34	19	-10.36	28	-4.76	9	-7.91	27	-24.7	34	-38.63	34	4.37	14	-8.61	26	-5.87	26
8	FH3861	8.85	4	2.35	16	17.57	4	26.37	6	14.13	1	29.8	4	6.72	5	7.95	18	37.09	2	17.05	3	17.59	4
9	FH3864	-10.06	29	-21.07	29	-25.98	33	-23.21	32	-20.86	21	-1.91	22	-15.1	26	-19.57	27	-12.67	32	-13.99	28	-0.99	22
10	FH3875	-12.56	31	17.87	8	9.45	8	4.47	20	-6.59	12	18.08	12	6.12	6	-24.32	30	-9.08	29	6.77	13	-0.38	20
11	FH3879	2.84	6	14.61	11	9.26	9	26.74	5	5.46	3	29.56	5	-3	16	8.25	17	28.53	3	16.58	4	19.85	1
12	HKH-365	-14.22	34	-39.98	33	-20.52	32	3.89	21	-26.86	24	-18.5	32	-0.97	13	-31.44	32	-49.92	36	-18.4	31	-4.16	24
13	IMHSB-18K-01	-2.98	16	-6.35	25	-2.16	17	10.82	16	-19.67	19	-5.35	24	-6.89	20	-24.64	31	-2.81	18	0.19	20	-3.87	23
14	IMHVS-003	-0.07	12	11.04	13	11.9	7	16.53	8	3.92	5	27	6	19.86	1	5.37	21	15.53	8	14.64	5	16.8	5
15	IMHVS-004	-6.48	24	-4.59	23	-2.76	18	10.17	17	-17.69	17	14.69	13	-12.3	24	-1.34	24	11.1	11	0.2	19	8.27	14
16	JH 31950	0.79	9	1.4	18	-6.02	22	3.6	22	-5.12	10	21.05	10	-1.74	15	19.46	9	3.81	15	4.4	17	8.76	12
17	JH 32014	-10.11	30	32.81	2	-13.6	26	14.09	9	-0.57	8	3.1	20	1.18	10	11.02	15	-7.27	25	6.69	14	7.29	16
18	JH 32055	-16.68	35	26.22	4	3.39	10	34.97	4	-6.53	11	10.33	16	2.23	9	15.79	12	12.5	9	7.09	12	8.59	13
19	JH 32056	-7.56	26	24.01	5	12.35	6	36.97	3	-15.09	16	3.7	18	-8.79	21	-4.05	25	20.26	7	14.32	6	15.09	7
20	JH 32057	-2.25	15	17.52	9	3.28	11	11.89	13	-13.44	14	23.62	8	13.4	2	34.73	4	25.81	5	10.09	9	14.27	8
21	JH 32094	-7.25	25	-2.4	20	1.79	13	23.73	7	-29.61	29	25.85	7	8.79	4	33.43	5	12.13	10	8.74	11	16.35	6
22	KMH 17-38	-4.19	19	-26.85	31	0	14	-1.38	24	-37.87	33	3.6	19	-16	27	18.3	10	-31.33	34	-5.61	23	-6.48	28
23	KMH 17-89	-8.17	27	-19.46	28	-17.66	29	-21.49	31	-19.2	18	-25.6	35	-24	33	-22.23	29	-5.9	23	-20.49	33	-10.03	33
24	LMH 3817	-3.08	17	-7.31	26	-32.65	35	-27.66	34	-30.98	31	-18.2	30	-12.6	25	-36.65	33	-3.57	21	-15.17	29	-12.79	35
25	LMH 3917	-5.84	23	-24.52	30	-11.99	24	-38.23	35	-23.02	22	-21.3	33	-22.4	32	10.68	16	0.49	16	-21.3	34	-7.19	29
26	LMH 4017	-13.59	32	-54.61	35	-45.54	36	-44.22	36	-27.05	26	-25.5	34	-27.4	35	-52.08	35	-31.48	35	-37.38	36	-33.78	36
27	RCRMH10(CAH174)	-4.63	20	-5.83	24	-5.64	21	14.06	10	4.12	4	31.99	3	-4.02	18	38.91	1	-3.51	20	4.12	18	3.52	18
28	RCRMH11(CAH173)	-1.68	13	30.78	3	2.61	12	11.66	14	-27.07	27	11.82	15	0.6	11	35.98	2	-7.52	26	13.65	7	6.61	17
29	REH2016-1	-18.6	36	-4.25	22	-20.16	31	-12.06	29	-26.97	25	-12.1	28	-29.8	36	-52.51	36	-8.97	28	-11.4	27	-7.76	30
30	VIRAT	-5.34	21	3.74	15	23.38	2	10.83	15	-19.79	20	-3.51	23	-1.5	14	-0.56	23	-6.89	24	-0.53	22	-0.39	21
31	X104	-14.15	33	18.6	7	-6.41	23	9.91	18	-32.87	32	9.05	17	-10.5	23	18.03	11	-4.41	22	5.76	15	7.6	15
32	BIO 605 ©	2.05	8	22.61	6	20.5	3	13.83	12	-51.22	36	22.44	9	3.15	8	26.03	6	8.15	13	13.09	8	11.47	10
33	DKC 7074 ©	-2.01	14	7.3	14	-5.25	20	6.97	19	-42.96	34	19.87	11	3.35	7	34.84	3	-15.02	33	4.96	16	9.24	11
34	PMH 5 ©	-3.7	18	-74.89	36	-13.37	25	-2.03	25	11.88	2	-26.7	36	-21.3	29	7.33	19	-7.63	27	-25.17	35	-8.82	31
35	VIVEK MAIZE HYBRID 45 ©	0	11	0	19	0	15	0	23	0	7	0	21	0	12	0	22	0	17	0	21	0	19
36	VIVEK MAIZE HYBRID 51 (C)	10.58	3	-2.61	21	-19.87	30	-9.07	27	-11.68	13	-7.78	26	-18	28	6.53	20	-9.3	30	-5.78	25	-6.43	27

Table No. 1 (Contd.) **Gain in Yield(%) over VIVEK MAIZE HYBRID 51 (Check)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	0.02	17	-33.08	36	-11.92	21	13.98	24	27.66	30	-4.37	33
2	AH8106	11.83	15	21.99	10	12.41	2	27.24	12	115.78	3	37.42	2
3	AH8181	36.12	6	-10.07	27	11.86	3	40.89	4	63.64	16	20.67	13
4	DH-318	-16.39	27	0.44	21	-11.62	20	12.44	28	12.64	32	1.25	29
5	DH-319	13.91	12	-14.29	31	-13.43	24	53.94	2	2.07	34	3.1	26
6	EH-2936	-5.69	20	43.7	2	-26.45	33	37.05	8	117.06	2	32.27	5
7	EH-3369	-18.46	28	-10.75	28	-39.9	35	22.65	17	99.49	8	12.49	18
8	FH3861	61.56	2	43.22	3	5.11	7	29.1	10	66.44	14	30.39	6
9	FH3864	-16.07	26	28.82	4	-14.52	25	38.23	6	44.11	21	21.49	11
10	FH3875	-14.42	25	-15.04	32	-7.29	18	22.79	15	39.38	22	2.8	27
11	FH3879	-0.75	19	53.53	1	2.07	9	28.12	11	99.6	7	34.86	3
12	HKH-365	-66.71	36	6.06	19	-22.18	29	35.53	9	71.41	11	15.39	16
13	IMHSB-18K-01	61.75	1	-5.91	25	-23.86	30	-12.21	35	22.5	31	-6.62	34
14	IMHVS-003	-12.03	23	25.47	8	2.53	8	19.82	18	128.49	1	32.36	4
15	IMHVS-004	13.77	13	8.79	17	-4.3	14	24.82	14	66.95	13	16.52	15
16	JH 31950	-13.72	24	19.84	12	-5.68	16	18.01	20	68.23	12	19.24	14
17	JH 32014	51.22	5	16.82	15	0.42	11	37.17	7	99.95	6	26.58	9
18	JH 32055	-11.83	22	-13.19	29	-15.88	26	13.21	27	103.9	4	12.19	19
19	JH 32056	28.53	7	28.01	5	10.89	4	12.15	29	85.92	10	29.72	7
20	JH 32057	56.24	4	25.97	6	8.44	5	22.74	16	103.6	5	29.02	8
21	JH 32094	56.66	3	10.05	16	27.93	1	64.14	1	94.51	9	41.64	1
22	KMH 17-38	-22.14	30	-14.11	30	-12.66	22	-21.91	36	62.34	17	-1.9	32
23	KMH 17-89	5.32	16	19.51	14	-24.49	31	15.53	23	28.32	28	6.15	24
24	LMH 3817	-5.81	21	-1.3	23	-21.31	28	-9.11	34	30	27	-10.27	35
25	LMH 3917	-20.49	29	5.56	20	-16.62	27	17.72	21	28.06	29	10.29	20
26	LMH 4017	-33.21	33	-24.92	35	-61.55	36	13.34	25	-2.92	36	-25.62	36
27	RCRMH10(CAH174)	20.26	9	20.12	11	-8.75	19	13.24	26	11.96	33	8.7	21
28	RCRMH11(CAH173)	22.22	8	25.94	7	-6.01	17	42.83	3	37.09	23	22	10
29	REH2016-1	17.51	11	-17.07	33	-24.76	32	40.33	5	35.8	24	2.19	28
30	VIRAT	-23.68	31	-22.03	34	0.79	10	10.48	31	46.91	19	8.68	22
31	X104	-42.97	35	19.55	13	-13.42	23	11.61	30	65.25	15	13.85	17
32	BIO 605 ©	17.9	10	7.43	18	-5.02	15	5.73	32	56.26	18	8.53	23
33	DKC 7074 ©	13.61	14	24.44	9	-1.11	13	26.81	13	32	25	21.4	12
34	PMH 5 ©	-37.37	34	-5.14	24	-35.72	34	18.06	19	46.05	20	0.55	30
35	VIVEK MAIZE HYBRID 45 (C)	-25.78	32	-8.25	26	5.45	6	15.94	22	30.34	26	4.71	25
36	VIVEK MAIZE HYBRID 51 (C)	0	18	0	22	0	12	0	33	0	35	0	31

Table No. 1 (Contd.)

S. No.	Entry Name	NEPZ										NWPZ									
		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1619	-8.5	27	4.82	24	-30.11	18	23.97	7	-7.01	29	5.61	30	19.78	24	29.13	20	3.14	15	14.27	22
2	AH8106	1.73	15	20.34	16	-20.49	11	13.4	11	7.99	15	50.65	5	38.07	11	25.12	22	-3.86	24	16.39	19
3	AH8181	19.59	8	26.36	12	-48.35	30	18.82	8	13.68	11	-6.39	34	59.84	2	50.1	10	8.38	10	32.69	2
4	DH-318	-20.98	32	1.42	27	-9.61	3	-2.18	21	-13.66	34	32.06	15	35.82	13	11.68	32	-2.79	23	12.66	24
5	DH-319	-4.61	23	-0.04	31	-30.22	19	26.49	4	-7.43	30	8.9	29	47.07	4	31.71	18	-17.24	34	14.62	20
6	EH-2936	3.03	12	19.68	17	-53.73	33	-19.01	30	6.95	16	55.64	3	36.07	12	62.94	2	-11.9	31	22.15	13
7	EH-3369	-21.69	33	1.08	29	-50.77	32	49.7	1	-16.57	35	19.68	25	11.18	31	17.18	29	4.96	14	8.84	28
8	FH3861	20.56	7	35.44	7	-19.46	10	0.83	19	22.11	5	26.35	18	30.83	17	60.34	5	-4.29	25	27.3	9
9	FH3864	23.46	6	1.3	28	-33.72	20	11.74	14	14.71	10	30.74	17	15.19	28	20.75	25	5.14	13	13.66	23
10	FH3875	-8.43	26	-10.23	35	-35.91	25	-24.24	34	-9.37	32	34.61	14	27.47	21	15.69	30	-10.73	29	5.55	32
11	FH3879	34.53	1	33.43	8	-18.5	6	-6.06	25	29.85	2	-5.78	33	23.35	23	74.59	1	21.05	1	30.37	4
12	HKH-365	-28.99	35	54.29	2	-15.63	5	29.36	2	1.73	19	42.36	11	41.96	7	31.04	19	-2.56	22	19.65	16
13	IMHSB-18K-01	-8.35	25	16.82	18	-33.96	21	11.12	15	-2.31	23	44.1	9	15.53	27	13.3	31	3.02	16	9.98	27
14	IMHVS-003	9.19	11	30.17	10	-26.18	14	-19.49	31	16.92	9	-4.43	32	14.55	29	62.26	4	6.1	11	27.42	7
15	IMHVS-004	28.79	2	3.12	26	-35.11	23	-23.17	32	20.7	7	-71.53	36	38.9	9	62.4	3	10.05	8	28	6
16	JH 31950	26.24	4	23.58	13	-23.62	12	24.67	6	23.28	4	26.28	19	38.42	10	40.79	13	0.56	19	20.36	14
17	JH 32014	1.37	17	29.07	11	-48.18	29	-17.21	29	11.19	13	36.11	13	18.37	25	24.52	23	-10.43	28	7.28	29
18	JH 32055	15.21	9	39.81	5	-35.33	24	25.68	5	18.17	8	31.4	16	41.23	8	54.5	7	1.89	18	24.73	10
19	JH 32056	25.17	5	37.93	6	-19.14	7	27.63	3	31.48	1	22.41	22	16.58	26	53.04	8	-13.48	32	14.39	21
20	JH 32057	27.42	3	42.77	4	-6.28	2	-5.76	24	28.47	3	21.58	24	30.17	20	57.05	6	2.91	17	22.8	11
21	JH 32094	-0.03	20	42.86	3	-28.62	16	9.64	16	10.66	14	49.5	6	33.95	14	52.56	9	18.82	2	34.43	1
22	KMH 17-38	1.71	16	-0.18	32	-46.57	28	1.51	18	-3.54	25	51.45	4	33.87	15	17.7	28	-20.19	36	5.56	31
23	KMH 17-89	-17.04	31	12.5	22	-65.87	36	-6.7	26	-9.22	31	22.59	21	6.47	34	28.02	21	5.73	12	12.55	25
24	LMH 3817	-5.44	24	6.6	23	-42.29	27	11.8	13	-4.78	28	61.82	2	13.68	30	7.37	34	-5.4	26	1.81	34
25	LMH 3917	-10.22	28	4.2	25	-48.92	31	14.05	10	-3.78	26	13.26	27	32.9	16	20.82	24	13.3	3	19.61	17
26	LMH 4017	-31.1	36	-34.18	36	-57.39	34	-23.3	33	-34.06	36	10.71	28	-32.87	36	-11.08	36	-19.23	35	-21.86	36
27	RCRMH10(CAH174)	-11.11	30	14.6	19	-25.03	13	-14.64	28	-1.51	21	22.38	23	24.1	22	35.09	17	11.55	6	19.75	15
28	RCRMH11(CAH173)	0.75	18	-4.6	34	-19.21	8	-5.57	23	-2.22	22	18.81	26	8.76	33	19.27	26	-13.91	33	4.12	33
29	REH2016-1	-11	29	14.53	20	-60.03	35	-10.88	27	-4.2	27	23.43	20	48.23	3	7.84	33	-11.31	30	6.53	30
30	VIRAT	-1.72	21	22.94	14	-19.21	9	-2.8	22	1.86	18	42.69	10	30.26	18	18.56	27	-7.43	27	10.71	26
31	X104	1.89	14	32.95	9	-12.07	4	12.65	12	13.14	12	38.03	12	44.16	5	38.02	14	-1.47	21	22.21	12
32	BIO 605 ©	9.92	10	58.46	1	-37.59	26	-25.98	35	21.37	6	-12.74	35	30.25	19	43.15	12	13.11	4	27.42	8
33	DKC 7074 ©	2.43	13	12.55	21	-34.43	22	-29.65	36	3.05	17	47.95	7	44.07	6	46.25	11	8.94	9	31.96	3
34	PMH 5 ©	-3.59	22	-2.15	33	-26.33	15	8.41	17	-3.4	24	80.23	1	63.59	1	35.54	16	11.16	7	28.85	5
35	VIVEK MAIZE HYBRID 45 (C)	-27.47	34	22.68	15	-29.52	17	16.83	9	-9.87	33	44.71	8	10.1	32	37.18	15	13.11	5	19.27	18
36	VIVEK MAIZE HYBRID 51 (C)	0	19	0	30	0	1	0	20	0	20	0	31	0	35	0	35	0	20	0	35

Table No. 1 (Contd.)

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyde_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Peddap_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	R	Gain	R
1	AH 1619	1.4	1	4.58	17	6.23	27	-8.82	30	17.1	6	-11.33	31	10.64	22	-18.02	26	20.89	12	0.11	24	1.05	25
2	AH8106	0.69	2	19.13	10	55.02	1	50.74	2	-13.08	23	58.12	1	17.75	17	13.46	8	39.56	4	33.08	1	26.83	2
3	AH8181	-7.26	7	46.89	1	24.57	16	55.74	1	-3.11	15	53.09	2	37.03	3	6.49	13	69.6	1	29.77	2	25.69	3
4	DH-318	-14.74	22	-44.03	34	4.57	28	6.72	26	-40.73	35	0.86	25	-4.42	30	5.85	14	-2.56	31	-12.81	30	-4.03	34
5	DH-319	-8.96	10	-32.76	32	-12.9	34	-19.58	33	-17.98	28	-10.65	29	14.1	19	13.95	7	6.82	19	-15.09	32	-3.73	32
6	EH-2936	-1.61	5	15.97	12	45.15	5	25.23	11	-21.02	30	21.46	14	-5.26	31	-24.66	28	34.38	6	15.57	10	19.55	9
7	EH-3369	-17.48	28	-14.75	27	20.63	19	-1.42	28	7.84	9	-0.14	27	-8.09	34	-42.4	34	15.07	14	-3	26	0.59	26
8	FH3861	-1.57	4	5.09	16	46.73	4	38.98	6	29.22	1	40.75	4	30.21	5	1.33	18	51.15	2	24.23	3	25.67	4
9	FH3864	-18.67	29	-18.96	29	-7.63	33	-15.55	32	-10.39	21	6.37	22	3.58	26	-24.5	27	-3.71	32	-8.71	28	5.81	22
10	FH3875	-20.93	31	21.03	8	36.59	8	14.89	20	5.77	12	28.05	12	29.48	6	-28.96	30	0.24	29	13.33	13	6.47	20
11	FH3879	-7	6	17.68	11	36.35	9	39.38	5	19.41	3	40.5	5	18.35	16	1.61	17	41.71	3	23.74	4	28.09	1
12	HKH-365	-22.43	34	-38.37	33	-0.81	32	14.25	21	-17.19	24	-11.67	32	20.82	13	-35.64	32	-44.8	36	-13.39	31	2.43	24
13	IMHSB-18K-01	-12.27	16	-3.84	25	22.1	17	21.88	16	-9.05	19	2.64	24	13.6	20	-29.26	31	7.16	18	6.34	20	2.73	23
14	IMHVS-003	-9.63	12	14.02	13	39.65	7	28.16	8	17.67	5	37.71	6	46.24	1	-1.09	21	27.38	8	21.68	5	24.82	5
15	IMHVS-004	-15.43	24	-2.03	23	21.35	18	21.16	17	-6.8	17	24.37	13	7.04	24	-7.39	24	22.5	11	6.35	19	15.71	14
16	JH 31950	-8.86	9	4.12	18	17.28	22	13.94	22	7.43	10	31.27	10	19.89	15	12.13	9	14.45	15	10.81	17	16.23	12
17	JH 32014	-18.71	30	36.37	2	7.82	26	25.47	9	12.59	8	11.81	20	23.45	10	4.21	15	2.24	25	13.25	14	14.66	16
18	JH 32055	-24.66	35	29.6	4	29.03	10	48.44	4	5.83	11	19.64	16	24.73	9	8.68	12	24.04	9	13.67	12	16.05	13
19	JH 32056	-16.41	26	27.33	5	40.21	6	50.63	3	-3.86	16	12.45	18	11.29	21	-9.94	25	32.59	7	21.34	6	23	7
20	JH 32057	-11.61	15	20.67	9	28.89	11	23.06	13	-1.99	14	34.06	8	38.36	2	26.47	4	38.71	5	16.85	9	22.12	8
21	JH 32094	-16.13	25	0.22	20	27.03	13	36.08	7	-20.29	29	36.47	7	32.74	4	25.25	5	23.63	10	15.41	11	24.35	6
22	KMH 17-38	-13.36	19	-24.89	31	24.8	14	8.46	24	-29.65	33	12.34	19	2.52	27	11.05	10	-24.3	34	0.18	23	-0.06	28
23	KMH 17-89	-16.96	27	-17.3	28	2.76	29	-13.65	31	-8.52	18	-19.31	35	-7.21	33	-27	29	3.75	23	-15.6	33	-3.85	33
24	LMH 3817	-12.36	17	-4.83	26	-16	35	-20.44	34	-21.85	31	-11.27	30	6.64	25	-40.53	33	6.32	21	-9.96	29	-6.8	35
25	LMH 3917	-14.85	23	-22.5	30	9.84	24	-32.06	35	-12.83	22	-14.63	33	-5.35	32	3.89	16	10.8	16	-16.47	34	-0.82	29
26	LMH 4017	-21.86	32	-53.39	35	-32	36	-38.66	36	-17.4	26	-19.21	34	-11.4	35	-55.02	35	-24.5	35	-33.53	36	-29.23	36
27	RCRMH10(CAH174)	-13.76	20	-3.3	24	17.76	21	25.44	10	17.89	4	43.13	3	17.11	18	30.39	1	6.38	20	10.51	18	10.64	18
28	RCRMH11(CAH173)	-11.09	13	34.29	3	28.06	12	22.8	14	-17.42	27	21.25	15	22.74	11	27.64	2	1.97	26	20.63	7	13.94	17
29	REH2016-1	-26.39	36	-1.69	22	-0.36	31	-3.28	29	-17.31	25	-4.69	28	-14.3	36	-55.42	36	0.37	28	-5.96	27	-1.42	30
30	VIRAT	-14.4	21	6.52	15	53.97	2	21.88	15	-9.18	20	4.64	23	20.18	14	-6.66	23	2.66	24	5.58	22	6.45	21
31	X104	-22.37	33	21.78	7	16.79	23	20.87	18	-23.99	32	18.25	17	9.22	23	10.79	11	5.4	22	12.25	15	14.99	15
32	BIO 605 ©	-7.71	8	25.9	6	50.37	3	25.19	12	-44.77	36	32.77	9	25.86	8	18.3	6	19.24	13	20.04	8	19.13	10
33	DKC 7074 ©	-11.39	14	10.18	14	18.25	20	17.64	19	-35.41	34	29.99	11	26.1	7	26.57	3	-6.31	33	11.4	16	16.74	11
34	PMH 5 ©	-12.92	18	-74.22	36	8.11	25	7.74	25	26.68	2	-20.5	36	-3.94	29	0.74	19	1.84	27	-20.57	35	-2.55	31
35	VIVEK MAIZE HYBRID 45 (C)	-9.57	11	2.68	19	24.79	15	9.98	23	13.23	7	8.44	21	22.01	12	-6.13	22	10.25	17	6.14	21	6.87	19
36	VIVEK MAIZE HYBRID 51 (C)	0	3	0	21	0	30	0	27	0	13	0	26	0	28	0	20	0	30	0	25	0	27

Table No. 1 (Contd.) **Moisture (%)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	16	16	11	16	16	15	31	18	25	26	26
2	AH8106	17	16	11	17	16	15	32	18	28	29	27
3	AH8181	15	16	12	16	17	15	35	18	30	30	27
4	DH-318	16	16	10	15	16	15	28	18	28	29	26
5	DH-319	14	16	11	16	15	14	29	18	27	27	25
6	EH-2936	15	16	11	17	15	15	32	18	61	30	35
7	EH-3369	16	16	11	16	15	15	31	18	27	28	26
8	FH3861	15	15	10	16	17	15	33	18	25	31	27
9	FH3864	15	16	10	16	17	15	29	17	27	26	25
10	FH3875	15	15	10	17	16	15	31	18	27	30	27
11	FH3879	15	16	12	17	17	15	30	18	28	29	26
12	HKH-365	16	16	10	16	15	15	32	18	27	26	26
13	IMHSB-18K-01	15	16	11	16	15	14	31	18	28	26	26
14	IMHVS-003	15	15	10	15	16	14	31	18	28	27	26
15	IMHVS-004	14	15	10	14	16	14	30	18	27	27	26
16	JH 31950	15	16	10	17	16	15	33	18	27	31	27
17	JH 32014	14	16	11	17	16	15	31	18	28	26	26
18	JH 32055	14	15	11	17	18	15	31	18	31	27	26
19	JH 32056	15	16	11	15	16	15	33	18	28	30	27
20	JH 32057	17	16	12	16	16	15	33	18	28	27	26
21	JH 32094	15	15	10	16	18	15	32	18	28	30	27
22	KMH 17-38	15	15	11	16	16	15	28	17	28	23	24
23	KMH 17-89	15	15	12	18	15	15	30	18	30	29	26
24	LMH 3817	16	15	11	17	14	14	28	17	28	31	26
25	LMH 3917	15	15	11	17	16	15	29	17	28	28	26

Table No. 1 (Contd.) **Moisture (%)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	15	16	11	16	17	15	27	17	25	30	25
27	RCRMH10(CAH174)	16	15	11	16	15	15	31	18	28	30	27
28	RCRMH11(CAH173)	15	16	11	17	17	15	28	18	25	30	26
29	REH2016-1	15	15	11	16	18	15	30	18	28	26	25
30	VIRAT	15	16	11	16	19	15	32	18	31	30	27
31	X104	15	16	11	15	18	15	32	18	28	27	26
32	BIO 605 ©	16	15	11	17	15	15	33	18	31	29	27
33	DKC 7074 ©	17	15	10	15	15	14	30	18	28	29	26
34	PMH 5 ©	17	15	11	17	17	15	28	17	28	29	25
35	VIVEK MAIZE HYBRID 45 (C)	16	15	10	15	17	15	28	18	24	30	26
36	VIVEK MAIZE HYBRID 51 (C)	15	15	12	16	15	15	31	18	28	26	26
	Location Mean	15	16	11	16	16	15	31	18	29	28	26
	CV (%)	6.4	2.0	5.4	4.4	0.0	4.2	3.1	1.9	19.3	7.1	11.3
	F (Prob)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.6	0.5	1.0	1.2	0.0	0.5	1.6	0.6	9.1	3.3	2.4
	CD (1%)	2.1	0.7	1.3	1.6	0.0	0.6	2.1	0.7	12.1	4.4	3.2

Table No. 1 (Contd.) **Moisture (%)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	18	21	14	25	20	17	11	18	22	11	14	12	19	18	16	18
2	AH8106	17	20	14	26	20	17	10	20	23	11	13	13	19	19	16	18
3	AH8181	17	21	15	26	20	17	10	20	19	11	15	13	18	18	16	19
4	DH-318	21	20	14	28	21	16	9	14	18	11	12	13	17	16	14	17
5	DH-319	16	21	15	22	19	15	8	17	18	11	14	12	18	16	14	17
6	EH-2936	7	20	14	29	21	16	7	21	19	10	14	13	19	18	15	20
7	EH-3369	17	20	15	24	20	16	8	19	21	11	13	14	19	19	15	18
8	FH3861	15	20	15	28	21	18	13	22	20	11	16	16	19	17	17	19
9	FH3864	16	21	15	25	20	15	8	16	18	9	13	10	18	16	14	17
10	FH3875	23	20	15	25	20	16	8	18	18	10	13	12	18	16	14	18
11	FH3879	22	20	15	22	19	17	11	23	21	11	15	14	18	19	16	18
12	HKH-365	16	20	14	27	21	16	8	20	22	11	13	12	18	19	16	18
13	IMHSB-18K-01	16	20	14	21	18	16	7	17	21	10	14	13	20	16	15	17
14	IMHVS-003	17	20	15	25	20	16	10	19	21	10	14	12	18	18	15	18
15	IMHVS-004	72	20	14	27	20	17	10	19	19	10	13	12	19	17	15	18
16	JH 31950	15	20	15	29	21	17	8	17	22	9	14	13	18	19	15	18
17	JH 32014	22	20	14	26	20	17	8	19	22	10	13	13	18	19	16	18
18	JH 32055	23	20	15	21	19	17	10	18	21	12	13	12	19	16	15	18
19	JH 32056	7	21	14	28	21	17	11	22	20	10	14	12	19	18	16	19
20	JH 32057	18	20	15	25	20	16	8	20	21	11	13	12	18	17	15	18
21	JH 32094	18	22	14	25	20	17	10	20	21	11	14	14	17	18	16	18
22	KMH 17-38	20	20	14	23	19	16	8	19	19	10	13	13	19	18	15	17
23	KMH 17-89	16	21	15	28	21	17	9	18	20	10	13	12	19	17	15	18
24	LMH 3817	21	20	15	23	19	15	7	16	20	10	13	12	18	16	14	17
25	LMH 3917	7	21	15	27	21	17	7	16	19	11	13	12	17	18	14	17

Table No. 1 (Contd.) **Moisture (%)**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	22	20	15	28	21	15	7	14	19	10	13	13	17	16	14	17
27	RCRMH10(CAH174)	22	20	15	25	20	17	11	19	19	12	14	13	18	18	15	18
28	RCRMH11(CAH173)	15	21	15	23	20	17	11	19	21	11	15	14	18	17	16	18
29	REH2016-1	22	20	14	27	20	17	9	17	19	11	13	13	19	17	15	18
30	VIRAT	18	20	15	26	20	16	9	22	21	10	13	13	20	17	16	18
31	X104	7	20	14	28	21	18	10	22	22	11	15	15	19	17	17	19
32	BIO 605 ©	18	21	14	28	21	17	8	18	23	10	14	15	19	19	16	18
33	DKC 7074 ©	16	20	14	26	20	16	8	19	21	11	14	12	18	19	15	18
34	PMH 5 ©	6	19	14	19	18	16	9	17	18	11	14	12	18	17	15	17
35	VIVEK MAIZE HYBRID 45 (C)	17	20	15	29	21	15	7	18	19	10	14	12	17	17	14	18
36	VIVEK MAIZE HYBRID 51 (C)	21	21	14	25	20	16	8	15	21	10	14	14	17	17	15	18
	Location Mean	18	20	15	25	20	16	9	19	20	11	14	13	18	17	15	18
	CV (%)	86.2	3.1	2.4	6.9	5.5	3.2	10.2	9.4	9.4	7.4	3.7	0.0	5.6	5.0	7.1	8.8
	F (Prob)	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	25.9	1.0	0.6	2.9	1.0	0.9	1.5	2.9	3.1	1.3	0.8	0.0	1.7	1.4	0.6	0.6
	CD (1%)	34.4	1.4	0.7	3.8	1.4	1.1	2.0	3.8	4.1	1.7	1.1	0.0	2.2	1.9	0.8	0.7

Table No. 1 (Contd.) **Shelling (%)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	77	75	84	81	81	80	73	80	86	78	79
2	AH8106	75	76	81	76	80	78	73	80	82	74	77
3	AH8181	76	76	79	80	82	79	73	80	86	80	79
4	DH-318	77	76	82	76	81	79	73	80	83	79	79
5	DH-319	77	75	87	82	80	80	75	80	84	83	81
6	EH-2936	76	76	81	81	81	79	72	80	85	82	80
7	EH-3369	78	75	82	86	81	80	74	80	84	79	79
8	FH3861	77	75	83	85	81	80	72	80	85	82	80
9	FH3864	77	76	81	92	81	82	82	80	86	80	82
10	FH3875	78	75	87	84	80	81	70	80	83	79	79
11	FH3879	77	76	84	85	82	81	75	80	84	79	79
12	HKH-365	79	75	79	81	79	79	72	80	81	80	78
13	IMHSB-18K-01	76	75	81	81	81	79	74	80	84	84	80
14	IMHVS-003	78	75	83	67	82	77	75	80	85	81	80
15	IMHVS-004	77	77	83	79	80	79	73	80	85	76	79
16	JH 31950	76	75	79	78	80	78	76	80	85	83	81
17	JH 32014	78	74	85	86	81	80	78	80	86	81	81
18	JH 32055	77	77	82	82	82	80	77	80	86	80	81
19	JH 32056	75	77	83	72	81	78	75	80	85	77	79
20	JH 32057	76	76	89	83	81	81	78	80	85	81	81
21	JH 32094	76	76	82	89	81	80	76	80	82	82	80
22	KMH 17-38	77	77	81	87	80	80	74	80	84	79	80
23	KMH 17-89	78	77	83	75	81	79	79	80	81	81	80
24	LMH 3817	77	76	82	69	80	76	67	80	81	81	77
25	LMH 3917	79	76	82	83	80	81	80	80	86	80	81

Table No. 1 (Contd.) **Shelling (%)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	79	75	83	79	81	79	78	80	82	78	79
27	RCRMH10(CAH174)	78	75	84	83	79	80	75	80	86	82	81
28	RCRMH11(CAH173)	76	77	78	87	82	80	72	80	82	83	79
29	REH2016-1	75	77	80	89	81	80	70	80	84	79	78
30	VIRAT	77	76	85	80	80	80	74	80	87	81	80
31	X104	77	77	78	85	81	79	73	80	83	84	80
32	BIO 605 ©	76	75	78	82	81	78	72	80	84	79	78
33	DKC 7074 ©	76	76	78	78	79	78	77	80	85	81	81
34	PMH 5 ©	78	77	80	81	80	79	74	80	86	78	79
35	VIVEK MAIZE HYBRID 45 (C)	79	77	82	79	79	79	77	80	85	81	81
36	VIVEK MAIZE HYBRID 51 (C)	76	77	83	80	81	80	74	80	85	80	80
	Location Mean	77	76	82	81	81	79	75	80	84	80	80
	CV (%)	1.9	0.9	4.3	6.5	0.0	3.7	0.0	0.0	1.8	2.7	1.6
	F (Prob)	0.1	0.0	0.2	0.0	0.0	1.0	0.0	.	0.0	0.0	1.0
	CD (5%)	2.4	1.2	5.8	8.7	0.0	2.2	0.0	0.0	2.5	3.5	1.0
	CD (1%)	3.2	1.6	7.8	11.5	0.0	2.9	0.0	0.0	3.3	4.7	1.4

Table No. 1 (Contd.) **Shelling (%)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	84	81	79	85	83	81	86	77	77	72	81	83	79	78	79	80
2	AH8106	85	82	76	84	82	79	84	76	78	79	81	83	80	78	80	79
3	AH8181	83	81	80	78	80	80	83	72	77	74	81	82	82	76	79	79
4	DH-318	86	83	85	85	85	77	84	83	82	82	82	85	82	82	82	81
5	DH-319	76	82	81	84	81	80	85	81	82	71	81	86	82	81	81	81
6	EH-2936	84	81	77	84	82	81	74	75	79	77	82	84	78	79	79	80
7	EH-3369	86	82	82	83	83	79	83	84	78	76	79	85	80	82	81	81
8	FH3861	84	81	80	83	82	79	86	74	79	75	81	85	80	81	80	80
9	FH3864	85	81	83	83	84	79	86	80	81	81	80	86	81	83	82	82
10	FH3875	85	82	81	86	83	77	85	78	82	88	82	87	80	82	82	81
11	FH3879	86	81	83	86	83	81	84	80	79	79	81	84	86	81	82	81
12	HKH-365	87	81	80	84	83	80	81	73	78	81	80	79	79	72	78	79
13	IMHSB-18K-01	84	82	80	84	83	78	85	78	77	78	81	83	77	81	80	80
14	IMHVS-003	85	81	86	85	84	81	88	81	81	85	81	86	84	81	83	81
15	IMHVS-004	85	82	83	85	83	80	86	76	79	82	76	85	81	81	81	81
16	JH 31950	81	81	86	82	82	79	85	77	81	80	80	86	81	77	81	80
17	JH 32014	86	82	79	83	82	79	87	79	80	75	80	87	82	82	81	81
18	JH 32055	83	83	87	84	84	79	85	78	82	74	81	85	82	82	81	81
19	JH 32056	82	82	80	87	83	78	87	77	79	78	79	86	81	80	81	80
20	JH 32057	85	83	87	85	85	81	87	70	82	76	79	87	82	82	81	82
21	JH 32094	82	81	82	85	83	81	85	86	80	76	82	85	76	80	81	81
22	KMH 17-38	84	81	84	85	84	78	86	77	81	83	82	88	82	79	82	82
23	KMH 17-89	85	81	79	85	83	78	86	79	82	81	79	87	83	83	82	81
24	LMH 3817	87	81	75	81	80	78	83	78	79	76	79	86	78	80	80	79
25	LMH 3917	84	81	85	83	83	79	88	84	83	77	79	89	84	82	83	82

Table No. 1 (Contd.) **Shelling (%)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	85	82	75	86	82	77	86	85	81	83	82	84	81	80	82	81
27	RCRMH10(CAH174)	86	81	85	86	84	80	85	77	81	82	80	89	84	81	82	82
28	RCRMH11(CAH173)	82	81	77	84	82	81	86	75	76	76	82	82	77	76	79	80
29	REH2016-1	87	81	82	89	84	78	86	77	81	77	80	84	84	81	81	81
30	VIRAT	83	81	81	83	82	80	88	80	81	84	81	88	82	81	83	82
31	X104	83	82	79	82	82	79	84	75	78	85	81	85	77	78	80	80
32	BIO 605 ©	82	83	86	85	84	80	86	77	80	81	80	87	78	80	81	80
33	DKC 7074 ©	86	82	83	88	85	78	86	81	78	73	81	85	80	78	80	80
34	PMH 5 ©	85	80	80	83	82	79	77	75	78	82	79	87	84	80	80	80
35	VIVEK MAIZE HYBRID 45 (C)	85	81	82	83	83	81	85	80	82	78	80	86	79	83	82	81
36	VIVEK MAIZE HYBRID 51 (C)	86	82	79	85	83	80	85	83	81	76	82	84	80	83	81	81
	Location Mean	84	81	81	84	83	79	85	78	80	79	81	85	81	80	81	81
	CV (%)	3.0	1.2	5.3	2.3	3.2	1.4	1.8	5.7	1.8	0.0	1.5	0.0	4.5	1.6	2.7	2.9
	F (Prob)	0.0	0.3	0.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.0	1.0
	CD (5%)	4.1	1.6	7.0	3.1	2.1	1.8	2.5	7.3	2.3	0.0	2.0	0.0	6.0	2.1	1.2	0.8
	CD (1%)	5.4	2.1	9.3	4.1	2.8	2.4	3.3	9.8	3.0	0.0	2.7	0.0	8.0	2.8	1.5	1.1

Table No. 1 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	54	48	57	53	49	52	48	44	46	52	48
2	AH8106	57	47	61	53	50	54	52	47	48	50	49
3	AH8181	58	48	61	56	51	55	52	48	48	53	50
4	DH-318	52	45	57	50	51	51	48	44	46	52	47
5	DH-319	53	46	59	52	51	52	48	45	44	52	47
6	EH-2936	56	47	59	53	51	53	51	47	47	48	48
7	EH-3369	55	47	60	52	51	53	51	47	48	54	50
8	FH3861	54	47	58	53	52	53	49	46	48	48	48
9	FH3864	53	46	56	49	51	51	49	45	45	53	48
10	FH3875	53	47	58	51	52	52	50	46	45	49	47
11	FH3879	54	47	56	54	51	52	50	46	47	49	48
12	HKH-365	59	49	61	54	53	55	52	48	49	50	50
13	IMHSB-18K-01	56	47	60	54	54	54	51	46	46	51	49
14	IMHVS-003	54	47	58	53	51	52	48	46	47	49	48
15	IMHVS-004	56	47	58	52	51	53	49	46	46	50	48
16	JH 31950	54	48	59	52	52	53	50	46	47	53	49
17	JH 32014	53	48	59	53	51	53	50	47	48	49	48
18	JH 32055	59	47	60	50	50	53	50	45	47	52	48
19	JH 32056	56	47	60	52	52	54	51	48	48	54	50
20	JH 32057	55	47	61	51	52	53	52	46	48	48	49
21	JH 32094	54	48	58	53	52	53	50	47	47	53	49
22	KMH 17-38	52	46	57	51	50	51	48	48	45	54	48
23	KMH 17-89	52	46	58	50	50	51	50	44	46	49	47
24	LMH 3817	49	42	55	46	50	48	46	42	44	52	46
25	LMH 3917	47	44	55	53	50	50	46	43	43	51	46

Table No. 1 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	50	42	55	52	50	50	47	44	43	52	46
27	RCRMH10(CAH174)	53	47	59	51	51	52	49	47	47	50	48
28	RCRMH11(CAH173)	56	47	60	50	54	53	49	46	48	51	49
29	REH2016-1	55	46	61	50	51	53	51	45	45	49	48
30	VIRAT	53	45	57	52	51	52	50	47	47	50	48
31	X104	56	47	60	54	52	54	50	47	47	52	49
32	BIO 605 ©	56	47	58	54	50	53	51	44	47	50	49
33	DKC 7074 ©	55	48	60	52	52	53	49	48	48	51	49
34	PMH 5 ©	50	45	56	51	50	51	47	45	45	53	47
35	VIVEK MAIZE HYBRID 45 (C)	53	45	57	51	50	51	48	45	46	51	47
36	VIVEK MAIZE HYBRID 51 (C)	52	42	55	47	50	49	47	43	43	52	46
	Location Mean	54	46	58	52	51	52	49	46	46	51	48
	CV (%)	3.3	2.5	1.5	4.5	2.2	3.0	1.3	4.1	2.4	4.3	3.3
	F (Prob)	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.1	0.0	0.1	1.0
	CD (5%)	2.9	1.9	1.4	3.8	1.8	1.2	1.1	3.1	1.9	3.6	1.4
	CD (1%)	3.9	2.5	1.9	5.1	2.4	1.5	1.4	4.1	2.5	4.8	1.8

Table No. 1 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	45	50	51	50	49	49	58	52	54	56	51	50	62	46	53	51
2	AH8106	46	51	52	50	49	53	61	57	57	58	54	51	63	48	56	53
3	AH8181	46	50	52	52	51	52	61	58	56	58	54	53	63	47	56	54
4	DH-318	43	45	48	50	47	48	59	51	54	57	50	48	57	46	52	50
5	DH-319	43	47	50	48	47	50	60	51	55	56	51	51	57	47	53	51
6	EH-2936	45	49	52	50	49	52	61	53	56	58	52	51	64	47	55	52
7	EH-3369	45	47	51	51	48	51	60	53	55	56	51	51	63	47	54	52
8	FH3861	44	50	50	51	49	52	61	51	55	56	53	49	63	47	54	52
9	FH3864	42	47	50	48	47	49	59	51	55	56	49	48	60	45	53	50
10	FH3875	47	48	51	52	50	49	57	53	56	55	49	49	57	47	52	51
11	FH3879	43	45	50	50	47	50	61	53	53	55	51	49	61	45	53	51
12	HKH-365	43	50	53	51	50	53	61	59	57	55	56	52	64	49	56	54
13	IMHSB-18K-01	46	51	53	50	49	52	60	55	56	56	53	49	64	48	55	53
14	IMHVS-003	43	50	50	50	48	52	62	54	56	56	52	50	63	47	55	52
15	IMHVS-004	46	49	51	50	49	52	60	54	56	55	52	51	64	47	55	52
16	JH 31950	45	47	51	51	49	51	61	56	57	55	52	50	61	48	55	52
17	JH 32014	45	50	51	51	49	53	59	56	56	57	52	51	63	47	55	52
18	JH 32055	46	50	50	49	49	52	61	56	57	57	54	51	61	48	55	52
19	JH 32056	45	51	53	48	49	53	62	56	57	55	51	50	65	48	55	53
20	JH 32057	45	48	51	51	49	53	62	57	57	56	53	51	62	47	55	52
21	JH 32094	47	50	52	50	50	52	62	58	56	54	52	51	60	48	55	52
22	KMH 17-38	45	46	48	49	47	50	59	52	54	56	51	48	64	46	53	51
23	KMH 17-89	44	46	51	50	48	49	58	51	56	56	49	49	63	46	53	51
24	LMH 3817	47	42	45	49	46	47	59	52	54	56	48	47	58	44	51	49
25	LMH 3917	48	41	48	51	47	44	58	51	53	54	47	44	58	42	50	49

Table No. 1 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	46	47	49	49	47	46	57	53	54	58	47	44	55	42	51	49
27	RCRMH10(CAH174)	46	50	52	51	50	51	61	53	55	57	52	47	63	47	54	52
28	RCRMH11(CAH173)	46	51	52	50	50	54	63	55	56	59	54	51	64	47	56	53
29	REH2016-1	45	48	51	49	48	51	61	54	56	57	52	50	64	47	55	52
30	VIRAT	45	51	51	52	49	51	60	53	55	58	52	50	64	48	55	52
31	X104	46	51	53	51	50	52	62	57	57	57	53	51	64	48	55	53
32	BIO 605 ©	46	51	51	51	50	53	61	53	55	57	52	50	64	47	55	52
33	DKC 7074 ©	46	50	52	50	49	52	61	54	57	58	53	50	64	48	55	53
34	PMH 5 ©	45	41	48	49	46	49	59	53	54	57	50	48	62	47	53	50
35	VIVEK MAIZE HYBRID 45 (C)	45	46	50	52	48	47	58	52	54	57	50	49	59	47	52	51
36	VIVEK MAIZE HYBRID 51 (C)	43	44	47	50	46	46	57	52	54	57	48	46	57	43	51	49
	Location Mean	45	48	51	50	48	51	60	54	55	56	51	49	62	47	54	52
	CV (%)	4.2	3.9	2.0	3.4	3.4	1.9	2.3	2.4	2.0	3.6	1.5	2.6	3.2	3.1	2.6	3.0
	F (Prob)	0.3	0.0	0.0	0.4	1.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.0	1.0
	CD (5%)	3.1	3.1	1.7	2.8	1.3	1.6	2.3	2.1	1.8	3.3	1.2	2.1	3.2	2.3	0.8	0.6
	CD (1%)	4.2	4.1	2.3	3.8	1.7	2.1	3.1	2.8	2.4	4.5	1.7	2.8	4.2	3.1	1.0	0.7

Table No. 1 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	57	51	58	56	52	55	50	47	50	56	51
2	AH8106	59	50	61	55	53	56	53	50	52	54	52
3	AH8181	59	51	62	59	52	57	53	51	52	57	53
4	DH-318	55	47	58	52	52	53	49	47	52	56	51
5	DH-319	56	49	60	55	52	54	49	48	49	56	51
6	EH-2936	58	49	61	56	53	55	53	49	51	53	51
7	EH-3369	57	49	61	55	53	55	53	50	52	57	53
8	FH3861	57	50	59	56	54	55	50	49	53	52	51
9	FH3864	56	49	58	52	52	53	51	49	50	57	52
10	FH3875	56	49	60	54	53	55	52	49	50	53	51
11	FH3879	56	50	58	56	53	55	52	48	51	53	51
12	HKH-365	61	51	62	56	54	57	53	51	53	54	53
13	IMHSB-18K-01	59	50	62	57	55	56	53	50	52	55	53
14	IMHVS-003	56	50	58	56	52	54	49	49	52	53	51
15	IMHVS-004	58	49	58	55	53	54	49	47	51	55	50
16	JH 31950	57	51	60	55	53	56	51	49	52	56	52
17	JH 32014	56	50	59	56	54	55	51	49	52	53	51
18	JH 32055	61	50	61	53	52	55	51	48	51	55	51
19	JH 32056	59	49	61	55	54	56	52	51	52	57	53
20	JH 32057	58	49	62	53	54	55	54	49	52	53	52
21	JH 32094	57	50	59	56	53	55	51	49	52	56	52
22	KMH 17-38	55	48	58	53	52	53	50	50	50	58	52
23	KMH 17-89	54	49	60	53	52	54	51	48	51	53	51
24	LMH 3817	52	44	56	49	51	50	47	45	49	56	49
25	LMH 3917	50	47	55	55	52	52	47	46	47	55	49

Table No. 1 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	53	45	56	55	52	52	49	47	48	55	50
27	RCRMH10(CAH174)	56	50	60	53	53	55	51	49	52	54	52
28	RCRMH11(CAH173)	58	50	61	53	56	55	51	49	52	55	52
29	REH2016-1	57	49	61	54	53	55	52	48	50	53	51
30	VIRAT	56	47	58	54	53	54	51	50	51	54	52
31	X104	58	50	60	56	54	56	52	50	51	56	52
32	BIO 605 ©	59	49	60	57	52	55	53	47	52	55	52
33	DKC 7074 ©	57	50	61	54	54	55	50	51	52	54	52
34	PMH 5 ©	53	48	57	54	51	53	48	48	50	57	50
35	VIVEK MAIZE HYBRID 45 (C)	56	48	59	53	52	54	50	47	51	55	51
36	VIVEK MAIZE HYBRID 51 (C)	55	45	56	50	52	51	49	47	48	56	50
	Location Mean	57	49	59	54	53	54	51	49	51	55	51
	CV (%)	3.1	2.6	1.8	4.4	2.1	2.9	1.3	3.8	2.4	3.7	3.0
	F (Prob)	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.1	0.0	0.2	1.0
	CD (5%)	2.8	2.1	1.7	3.9	1.8	1.2	1.1	3.0	2.0	3.3	1.3
	CD (1%)	3.8	2.7	2.3	5.2	2.4	1.6	1.5	4.0	2.6	4.5	1.8

Table No. 1 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	47	51	52	53	51	52	60	55	57	58	53	52	63	50	55	54
2	AH8106	48	53	52	52	51	55	63	59	59	60	56	53	65	51	58	55
3	AH8181	48	52	52	54	52	54	63	60	58	60	55	55	65	50	58	56
4	DH-318	45	46	48	53	48	51	61	53	56	59	52	50	59	49	54	52
5	DH-319	44	49	50	51	48	53	61	53	58	58	53	53	61	50	55	53
6	EH-2936	47	50	52	53	51	54	62	56	58	60	55	53	66	50	57	54
7	EH-3369	48	49	51	54	50	54	61	55	57	58	53	53	65	50	56	54
8	FH3861	46	51	50	53	50	55	62	53	57	58	55	51	64	50	56	54
9	FH3864	44	49	51	50	48	53	59	54	58	58	52	51	60	49	55	53
10	FH3875	49	51	52	54	51	52	60	55	59	57	52	51	59	49	55	53
11	FH3879	44	46	50	53	49	53	62	55	55	57	53	51	61	48	55	53
12	HKH-365	45	52	54	54	51	56	63	61	59	57	57	55	65	52	59	56
13	IMHSB-18K-01	47	53	53	53	51	55	62	57	58	58	55	52	66	51	57	55
14	IMHVS-003	44	51	51	52	50	55	64	56	59	58	53	53	65	51	57	54
15	IMHVS-004	48	51	52	52	51	55	62	56	58	57	53	53	66	50	57	54
16	JH 31950	47	49	52	54	51	53	63	58	59	57	53	52	62	51	57	54
17	JH 32014	46	52	52	53	51	56	60	58	58	59	55	53	64	50	57	54
18	JH 32055	48	51	51	52	51	56	62	58	59	59	56	53	63	51	57	55
19	JH 32056	47	52	53	51	51	55	63	58	60	57	54	53	66	51	57	55
20	JH 32057	48	49	51	54	50	55	63	59	60	58	53	53	64	50	57	55
21	JH 32094	49	52	52	52	51	55	63	60	58	56	54	54	62	51	57	55
22	KMH 17-38	47	47	48	52	49	54	61	55	56	58	52	51	66	49	56	53
23	KMH 17-89	46	48	52	53	50	51	61	54	58	58	52	51	64	49	55	53
24	LMH 3817	50	43	46	51	47	49	60	54	56	58	48	49	59	48	53	51
25	LMH 3917	50	42	48	54	49	48	59	53	55	56	48	46	59	47	53	51

Table No. 1 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	48	49	49	52	49	49	59	55	56	60	50	47	56	47	53	52
27	RCRMH10(CAH174)	48	52	52	53	51	54	62	55	57	59	53	49	64	49	56	54
28	RCRMH11(CAH173)	48	53	52	52	51	57	64	57	58	61	56	53	65	50	58	55
29	REH2016-1	47	50	51	52	50	56	62	57	58	59	54	52	65	50	57	54
30	VIRAT	47	53	51	55	51	54	62	55	58	60	53	52	65	51	57	54
31	X104	48	52	53	54	52	55	63	59	59	59	56	53	65	51	58	55
32	BIO 605 ©	48	53	52	55	51	55	62	55	57	59	53	52	65	50	57	55
33	DKC 7074 ©	48	51	52	52	51	54	62	56	59	60	55	52	66	50	57	55
34	PMH 5 ©	47	43	49	51	48	52	60	55	56	59	54	50	63	50	55	52
35	VIVEK MAIZE HYBRID 45 (C)	47	48	50	55	50	50	60	54	56	59	52	51	60	50	55	53
36	VIVEK MAIZE HYBRID 51 (C)	46	46	48	52	48	49	59	54	56	59	49	48	58	46	53	51
	Location Mean	47	50	51	53	50	54	61	56	58	58	53	52	63	50	56	54
	CV (%)	4.6	3.7	2.1	3.3	3.4	2.1	2.3	2.4	2.2	3.5	2.2	2.9	3.2	2.6	2.7	2.9
	F (Prob)	0.2	0.0	0.0	0.4	1.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.0	1.0
	CD (5%)	3.5	3.0	1.8	2.8	1.4	1.8	2.3	2.2	2.1	3.3	1.9	2.5	3.3	2.1	0.8	0.6
	CD (1%)	4.7	4.0	2.4	3.8	1.8	2.4	3.1	2.9	2.8	4.5	2.5	3.3	4.4	2.8	1.1	0.7

Table No. 1 (Contd.) **Days to 75% Dry HusK**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	96	79	95	88	88	89	82	83	86	85	84
2	AH8106	94	79	97	88	89	89	81	84	89	84	85
3	AH8181	98	79	98	91	86	90	84	86	87	87	86
4	DH-318	92	76	91	86	88	87	79	83	87	85	83
5	DH-319	94	77	93	85	87	87	77	84	84	87	83
6	EH-2936	96	78	94	89	88	89	80	86	86	82	84
7	EH-3369	97	79	95	85	87	88	83	86	88	87	86
8	FH3861	94	79	95	84	88	88	81	84	87	81	84
9	FH3864	93	77	94	85	88	88	84	84	86	86	85
10	FH3875	96	77	95	86	89	89	83	84	85	83	84
11	FH3879	97	79	97	87	92	90	82	86	88	82	84
12	HKH-365	98	77	97	88	90	90	81	85	89	83	85
13	IMHSB-18K-01	97	77	96	88	87	89	82	85	88	85	85
14	IMHVS-003	97	79	92	88	89	89	78	82	88	82	83
15	IMHVS-004	97	77	91	85	89	88	82	83	88	85	84
16	JH 31950	97	79	95	86	89	89	82	85	87	85	85
17	JH 32014	98	78	95	87	91	90	81	85	87	83	84
18	JH 32055	98	78	94	88	88	89	82	83	88	88	85
19	JH 32056	100	78	96	85	90	90	82	85	87	86	85
20	JH 32057	97	78	97	85	89	89	84	85	88	82	85
21	JH 32094	94	79	93	88	88	88	80	84	87	86	84
22	KMH 17-38	95	76	96	85	89	88	81	84	85	87	84
23	KMH 17-89	93	78	94	85	87	88	81	83	87	82	83
24	LMH 3817	92	72	91	87	87	86	78	83	85	86	83
25	LMH 3917	90	75	91	86	87	86	79	83	83	85	82

Table No. 1 (Contd.) **Days to 75% Dry HusK**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	93	72	88	87	86	85	79	80	85	85	82
27	RCRMH10(CAH174)	93	80	93	87	87	88	80	86	89	83	84
28	RCRMH11(CAH173)	98	79	96	86	87	89	80	84	88	83	84
29	REH2016-1	96	77	96	87	88	89	83	85	88	83	84
30	VIRAT	95	75	97	85	88	88	81	85	87	81	84
31	X104	97	78	96	86	89	89	83	84	87	86	85
32	BIO 605 ©	94	78	95	90	87	88	82	85	88	86	85
33	DKC 7074 ©	96	79	96	86	87	89	79	84	88	83	84
34	PMH 5 ©	95	75	95	85	88	88	79	84	86	86	84
35	VIVEK MAIZE HYBRID 45 (C)	98	75	95	89	89	89	80	85	88	83	84
36	VIVEK MAIZE HYBRID 51 (C)	92	73	88	85	86	85	77	84	83	87	83
	Location Mean	95	77	94	87	88	88	81	84	87	84	84
	CV (%)	2.1	1.9	1.2	2.4	1.1	1.8	2.0	1.8	1.4	3.7	2.4
	F (Prob)	0.0	0.0	0.0	0.1	0.0	1.0	0.0	0.0	0.0	0.6	1.0
	CD (5%)	3.3	2.4	1.8	3.4	1.6	1.2	2.7	2.4	2.0	5.1	1.6
	CD (1%)	4.3	3.2	2.4	4.5	2.1	1.6	3.6	3.2	2.7	6.8	2.2

Table No. 1 (Contd.) **Days to 75% Dry HusK**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	82	82	86	89	85	91	100	89	98	90	95	83	92	89	92	88
2	AH8106	82	82	85	91	85	94	98	93	100	92	96	86	94	90	94	90
3	AH8181	82	82	87	91	86	93	99	93	98	92	97	88	93	89	94	90
4	DH-318	82	81	80	90	84	92	96	88	97	91	95	81	87	88	91	87
5	DH-319	80	81	82	90	83	92	96	89	99	90	95	84	88	90	91	87
6	EH-2936	83	81	84	90	84	93	99	90	98	92	95	85	93	90	93	89
7	EH-3369	84	80	84	90	84	93	95	89	98	90	96	87	95	89	92	89
8	FH3861	81	79	83	90	84	94	103	88	98	90	96	83	93	89	92	88
9	FH3864	81	82	84	90	84	92	94	89	99	90	95	82	90	88	91	88
10	FH3875	80	81	84	90	85	92	96	90	99	89	96	80	88	89	91	88
11	FH3879	79	81	85	92	84	92	97	90	97	89	96	82	91	87	91	88
12	HKH-365	80	82	85	91	85	96	98	94	101	89	99	87	95	90	94	90
13	IMHSB-18K-01	86	82	85	90	86	94	98	91	100	90	97	82	95	90	93	89
14	IMHVS-003	81	82	82	90	84	93	96	92	100	90	96	86	93	89	93	88
15	IMHVS-004	85	81	84	90	85	94	95	91	99	89	95	86	93	89	93	89
16	JH 31950	81	81	83	91	84	93	99	91	101	89	97	84	91	90	93	89
17	JH 32014	83	83	85	90	85	95	98	92	99	91	95	87	92	89	93	89
18	JH 32055	83	82	85	90	85	94	96	92	100	91	95	86	91	91	93	89
19	JH 32056	83	83	87	88	85	94	99	93	101	89	97	85	95	90	93	90
20	JH 32057	81	82	86	91	85	94	96	93	101	90	96	85	92	89	93	89
21	JH 32094	83	82	84	91	85	94	100	93	99	88	96	87	90	90	93	89
22	KMH 17-38	80	79	83	88	83	94	96	89	96	90	95	82	94	89	92	88
23	KMH 17-89	80	81	84	90	84	91	96	89	100	90	95	80	93	88	91	88
24	LMH 3817	83	78	81	90	83	90	96	89	97	90	95	80	91	87	90	86
25	LMH 3917	88	77	81	91	84	88	92	88	97	88	96	78	89	87	89	86

Table No. 1 (Contd.) **Days to 75% Dry HusK**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	83	82	78	90	83	90	94	88	96	92	94	77	86	86	89	86
27	RCRMH10(CAH174)	82	80	84	91	84	93	97	90	98	91	95	79	93	88	92	88
28	RCRMH11(CAH173)	79	82	85	89	84	96	99	91	99	93	98	87	93	89	94	89
29	REH2016-1	81	82	84	90	84	95	98	91	99	91	97	83	94	89	93	89
30	VIRAT	86	82	85	91	86	92	98	89	98	92	95	84	94	89	93	89
31	X104	87	83	88	91	87	94	97	92	100	91	97	85	94	90	93	90
32	BIO 605 ©	84	82	84	91	85	94	94	89	99	91	95	84	93	89	92	89
33	DKC 7074 ©	84	80	85	87	84	93	99	91	100	92	97	85	94	89	93	89
34	PMH 5 ©	83	78	83	90	84	92	96	89	98	91	96	80	92	89	91	88
35	VIVEK MAIZE HYBRID 45 (C)	79	81	83	91	84	90	96	90	98	91	96	82	90	88	91	88
36	VIVEK MAIZE HYBRID 51 (C)	80	78	80	90	82	89	95	88	98	91	94	79	90	86	90	86
	Location Mean	82	81	84	90	84	93	97	90	99	90	96	83	92	89	92	88
	CV (%)	3.7	2.4	1.3	1.9	2.4	1.1	2.4	1.5	1.7	2.3	1.3	2.9	2.0	1.5	1.9	2.1
	F (Prob)	0.4	0.1	0.0	0.9	1.0	0.0	0.0	0.0	0.0	0.8	0.1	0.0	0.0	0.0	1.0	1.0
	CD (5%)	4.9	3.1	1.8	2.8	1.7	1.7	3.7	2.3	2.7	3.3	2.0	3.9	3.0	2.2	1.0	0.7
	CD (1%)	6.6	4.2	2.4	3.8	2.2	2.3	5.0	3.0	3.6	4.5	2.7	5.2	3.9	2.9	1.3	0.9

Table No. 1 (Contd.) **Ears (Number)**

S. No.	Entry Name	CWZ					NEPZ			
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ	BHU_UP	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	29	27	32	29	29	30	28	35	31
2	AH8106	23	32	35	35	34	31	32	36	34
3	AH8181	30	27	37	32	31	34	26	33	30
4	DH-318	23	28	37	27	31	31	36	35	34
5	DH-319	29	31	39	34	34	31	33	37	34
6	EH-2936	24	33	32	37	34	29	31	33	30
7	EH-3369	23	29	32	34	32	30	37	36	35
8	FH3861	34	34	39	27	33	35	36	35	34
9	FH3864	23	32	37	33	34	33	29	36	33
10	FH3875	24	29	36	31	32	29	22	32	29
11	FH3879	26	34	32	31	32	34	31	34	33
12	HKH-365	14	28	28	31	29	26	34	37	31
13	IMHSB-18K-01	38	33	35	25	31	26	31	35	31
14	IMHVS-003	22	33	40	32	35	26	29	33	30
15	IMHVS-004	29	32	35	30	32	35	31	36	34
16	JH 31950	20	32	35	26	31	32	31	35	33
17	JH 32014	32	29	34	32	32	28	27	35	30
18	JH 32055	22	27	33	26	28	30	28	33	30
19	JH 32056	34	32	35	29	32	32	31	37	32
20	JH 32057	40	30	35	28	30	34	37	33	35
21	JH 32094	35	29	36	32	33	26	29	35	30
22	KMH 17-38	25	28	36	23	29	32	28	31	30
23	KMH 17-89	24	32	37	31	33	29	29	33	31
24	LMH 3817	26	27	34	25	29	30	27	34	31
25	LMH 3917	21	31	34	29	32	32	32	34	33

Table No. 1 (Contd.) **Ears (Number)**

S. No.	Entry Name	CWZ					NEPZ			
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ	BHU_UP	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	20	26	35	26	29	31	20	35	28
27	RCRMH10(CAH174)	30	31	36	27	32	31	30	35	33
28	RCRMH11(CAH173)	31	31	32	38	34	34	31	33	33
29	REH2016-1	31	32	32	34	32	31	25	32	30
30	VIRAT	20	22	27	26	25	29	29	33	30
31	X104	13	33	28	30	31	31	31	32	31
32	BIO 605 ©	26	32	37	28	32	31	32	32	32
33	DKC 7074 ©	30	33	34	30	33	29	31	34	31
34	PMH 5 ©	17	30	28	35	31	28	34	36	32
35	VIVEK MAIZE HYBRID 45 (C)	23	27	39	28	31	22	25	36	29
36	VIVEK MAIZE HYBRID 51 (C)	25	31	39	28	33	30	34	33	33
	Location Mean	26	30	35	30	32	30	30	34	32
	CV (%)	30.5	10.4	10.7	15.6	12.3	15.2	16.7	6.9	12.9
	F (Prob)	0.1	0.0	0.0	0.1	0.0	0.5	0.1	0.3	0.0
	CD (5%)	13.0	5.1	6.0	7.7	3.7	7.5	8.3	3.9	3.8
	CD (1%)	17.3	6.8	8.0	10.2	4.9	10.0	11.0	5.1	5.0

Table No. 1 (Contd.) **Ears (Number)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	21	40	41	36	35	32	38	35	30	37	33	37	33	32	35	33
2	AH8106	24	45	36	36	35	32	37	36	35	36	37	37	35	28	35	35
3	AH8181	22	42	37	36	34	32	38	30	31	34	36	37	27	31	33	32
4	DH-318	29	43	36	35	35	30	31	37	33	35	35	37	35	29	33	33
5	DH-319	22	43	39	38	35	31	37	31	28	36	36	36	40	32	34	34
6	EH-2936	26	44	39	36	36	32	37	38	31	38	35	35	25	29	33	34
7	EH-3369	20	43	36	36	35	31	36	39	32	33	35	37	23	30	33	34
8	FH3861	26	43	41	35	36	33	35	38	33	35	38	38	37	31	36	35
9	FH3864	25	40	34	37	34	29	38	37	31	33	37	36	31	32	34	34
10	FH3875	29	41	35	38	35	28	41	36	32	35	37	37	28	25	33	33
11	FH3879	25	42	39	40	36	30	40	40	33	36	35	39	28	30	35	34
12	HKH-365	27	42	39	32	35	26	28	30	29	35	28	34	25	12	27	30
13	IMHSB-18K-01	25	42	34	30	33	29	35	37	35	35	35	38	33	30	34	33
14	IMHVS-003	28	41	40	36	36	31	37	37	34	36	37	39	35	31	35	35
15	IMHVS-004	29	43	40	37	37	29	35	39	33	34	36	35	30	29	33	34
16	JH 31950	28	40	39	39	36	31	39	33	30	35	38	37	35	31	34	34
17	JH 32014	26	42	37	36	35	30	38	38	34	34	36	40	32	29	35	34
18	JH 32055	28	44	35	35	35	30	38	31	29	34	32	37	31	31	33	32
19	JH 32056	23	43	39	34	34	30	38	34	34	35	36	35	30	30	34	33
20	JH 32057	26	41	38	38	35	29	39	38	31	38	38	40	32	31	35	34
21	JH 32094	25	43	33	38	35	31	34	35	35	34	38	35	33	31	34	34
22	KMH 17-38	23	42	39	33	34	31	36	38	32	34	36	36	34	28	34	33
23	KMH 17-89	28	42	37	40	37	28	36	38	31	36	35	38	31	30	33	34
24	LMH 3817	28	46	35	38	37	31	40	36	31	34	33	35	27	30	33	33
25	LMH 3917	19	41	35	38	34	30	38	38	28	37	35	35	36	32	35	34

Table No. 1 (Contd.) **Ears (Number)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	27	39	41	33	35	27	35	28	25	34	35	38	28	30	31	31
27	RCRMH10(CAH174)	23	41	35	38	34	29	36	39	35	35	36	34	36	31	34	34
28	RCRMH11(CAH173)	25	42	39	37	36	31	38	38	30	37	36	36	33	30	35	35
29	REH2016-1	28	43	36	37	36	27	36	37	31	37	33	35	25	30	32	33
30	VIRAT	28	41	35	31	34	30	29	35	28	35	29	33	19	17	28	29
31	X104	22	43	36	34	35	29	34	33	32	36	33	34	33	21	32	32
32	BIO 605 ©	28	41	38	35	35	33	35	40	34	34	37	39	28	31	34	34
33	DKC 7074 ©	24	42	37	38	35	31	37	38	31	37	40	39	44	30	36	35
34	PMH 5 ©	28	41	38	38	37	30	30	39	34	37	31	36	35	31	34	34
35	VIVEK MAIZE HYBRID 45 (C)	26	45	38	40	37	29	37	34	32	36	38	39	29	28	34	33
36	VIVEK MAIZE HYBRID 51 (C)	25	43	35	38	35	33	38	36	32	35	37	37	36	31	35	35
	Location Mean	25	42	37	36	35	30	36	36	32	35	35	37	31	29	34	33
	CV (%)	14.1	5.4	7.6	9.0	8.6	6.6	9.2	11.4	9.7	5.9	7.5	6.5	17.9	8.8	9.8	10.5
	F (Prob)	0.2	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.1	0.6	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	5.9	3.7	4.6	5.4	2.6	3.3	5.5	6.8	5.0	3.4	4.4	3.9	9.2	4.2	1.8	1.3
	CD (1%)	7.8	4.9	6.2	7.1	3.4	4.3	7.3	9.0	6.7	4.5	5.8	5.2	12.3	5.6	2.4	1.7

Table No. 1 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry Name	CWZ						NEPZ			
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	20	59	54	80	67	56	71	77	66	72
2	AH8106	17	64	64	83	73	60	81	78	68	75
3	AH8181	21	56	60	77	63	55	72	73	63	68
4	DH-318	16	58	64	66	66	55	78	76	67	74
5	DH-319	20	67	63	80	63	59	77	74	69	73
6	EH-2936	17	66	58	84	67	57	73	78	61	71
7	EH-3369	17	60	49	82	64	54	72	73	69	72
8	FH3861	25	67	61	76	68	60	82	81	64	75
9	FH3864	16	64	60	83	73	59	80	77	68	74
10	FH3875	17	62	61	77	71	58	81	68	59	70
11	FH3879	19	69	55	77	61	56	81	76	63	74
12	HKH-365	10	58	45	78	58	50	59	72	68	66
13	IMHSB-18K-01	26	74	60	54	67	56	73	77	66	72
14	IMHVS-003	16	64	63	84	69	60	70	80	62	71
15	IMHVS-004	21	69	57	79	69	59	86	76	64	75
16	JH 31950	14	66	60	74	66	56	80	79	66	75
17	JH 32014	24	58	61	83	68	58	79	79	64	74
18	JH 32055	17	57	52	68	72	53	78	77	62	72
19	JH 32056	24	65	58	73	67	57	78	77	69	75
20	JH 32057	29	59	60	77	68	59	83	76	62	74
21	JH 32094	26	60	61	81	72	60	69	79	65	70
22	KMH 17-38	17	57	58	67	63	53	80	77	60	70
23	KMH 17-89	17	67	60	79	69	58	80	76	63	73
24	LMH 3817	18	59	60	67	64	54	74	71	65	71
25	LMH 3917	15	68	61	83	62	57	81	76	65	75

Table No. 1 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry Name	CWZ						NEPZ			
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	14	55	59	74	63	53	71	77	66	72
27	RCRMH10(CAH174)	21	65	55	75	70	57	82	76	66	75
28	RCRMH11(CAH173)	22	68	56	86	63	58	82	76	62	73
29	REH2016-1	22	70	59	79	66	59	77	74	61	71
30	VIRAT	15	49	46	78	59	49	71	72	62	69
31	X104	10	69	53	76	68	55	78	74	59	70
32	BIO 605 ©	19	67	63	79	66	59	74	79	60	72
33	DKC 7074 ©	21	66	59	79	66	59	75	80	64	72
34	PMH 5 ©	12	65	50	83	66	55	73	73	66	71
35	VIVEK MAIZE HYBRID 45 (C)	17	58	62	77	66	55	78	78	67	75
36	VIVEK MAIZE HYBRID 51 (C)	18	63	65	75	72	59	81	80	63	74
	Location Mean	19	63	58	77	67	57	77	76	64	72
	CV (%)	29.9	9.1	8.4	7.9	7.9	9.7	9.6	4.8	6.3	7.3
	F (Prob)	0.1	0.0	0.0	0.0	0.2	0.0	0.2	0.1	0.2	0.0
	CD (5%)	9.2	9.4	8.0	10.0	8.6	4.2	12.0	6.0	6.6	5.0
	CD (1%)	12.2	12.5	10.6	13.3	11.4	5.5	15.9	8.0	8.8	6.5

Table No. 1 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	46	63	73	60	61	67	79	72	64	59	70	66	74	69	70	65
2	AH8106	53	65	70	60	62	64	74	75	76	59	77	65	81	65	70	67
3	AH8181	48	64	71	61	61	68	82	65	64	57	73	67	70	65	67	63
4	DH-318	64	65	69	59	63	63	65	78	71	57	75	67	79	63	68	65
5	DH-319	46	66	74	64	62	62	75	67	60	58	76	65	79	66	68	65
6	EH-2936	59	65	75	60	65	67	78	80	65	61	72	62	74	63	69	66
7	EH-3369	43	64	71	59	61	65	72	80	67	52	74	66	74	63	68	64
8	FH3861	54	63	70	57	61	67	75	79	70	55	76	68	82	69	71	67
9	FH3864	53	63	70	62	62	64	76	78	68	53	74	65	75	72	70	66
10	FH3875	65	65	72	63	65	59	84	76	68	58	78	67	73	65	70	66
11	FH3879	56	62	67	67	62	63	82	83	68	59	73	70	68	64	70	66
12	HKH-365	59	65	73	54	62	52	58	64	60	55	55	62	49	25	53	56
13	IMHSB-18K-01	51	66	69	56	60	63	69	78	73	55	69	66	79	64	68	64
14	IMHVS-003	59	61	78	61	64	65	74	75	73	60	69	70	78	72	71	67
15	IMHVS-004	64	62	69	61	63	64	73	82	69	56	77	61	76	59	69	67
16	JH 31950	61	62	70	65	64	64	79	70	63	58	76	67	77	66	69	66
17	JH 32014	57	62	75	58	63	64	76	81	72	52	73	71	79	61	70	67
18	JH 32055	61	64	71	59	63	64	79	65	65	53	67	65	74	67	67	64
19	JH 32056	50	64	73	58	61	65	79	76	71	57	72	62	81	69	71	66
20	JH 32057	55	63	73	62	62	64	81	79	64	61	75	71	78	67	70	67
21	JH 32094	53	63	66	64	63	67	69	73	71	55	76	63	80	64	70	66
22	KMH 17-38	49	63	74	54	61	63	75	80	67	55	70	65	80	60	69	64
23	KMH 17-89	61	65	79	67	67	60	76	79	66	57	73	67	72	69	68	66
24	LMH 3817	62	64	71	64	65	64	81	75	63	56	73	64	71	61	68	65
25	LMH 3917	42	61	74	61	61	65	76	79	58	58	72	62	79	68	69	66

Table No. 1 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	57	64	74	56	62	57	74	60	52	57	70	68	76	67	64	62
27	RCRMH10(CAH174)	48	62	70	64	61	61	72	81	74	60	71	60	74	70	69	66
28	RCRMH11(CAH173)	53	64	74	60	64	67	77	80	69	62	75	64	78	63	71	67
29	REH2016-1	59	66	73	61	64	61	73	80	66	60	71	62	69	65	68	65
30	VIRAT	59	65	71	53	62	60	69	75	60	59	66	59	61	35	59	59
31	X104	48	64	77	56	62	60	69	69	68	60	73	60	75	44	65	63
32	BIO 605 ©	62	66	74	60	65	68	75	83	70	56	74	70	76	69	71	67
33	DKC 7074 ©	53	62	71	63	63	65	74	79	72	60	75	70	86	68	72	67
34	PMH 5 ©	62	61	76	61	66	64	62	82	70	61	65	64	75	65	68	65
35	VIVEK MAIZE HYBRID 45 (C)	58	66	75	66	65	61	74	72	69	59	76	69	70	64	68	66
36	VIVEK MAIZE HYBRID 51 (C)	55	62	72	63	63	68	76	77	70	57	75	66	73	69	70	67
	Location Mean	55	64	72	60	63	63	75	76	67	57	72	65	75	63	68	65
	CV (%)	14.5	3.4	7.2	7.4	8.6	4.8	8.8	10.4	9.3	8.0	5.5	6.4	9.6	7.6	8.2	8.5
	F (Prob)	0.1	0.4	0.8	0.1	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	13.1	3.6	8.6	7.3	4.4	4.9	10.8	12.8	10.3	7.5	6.5	6.9	11.8	7.8	3.1	2.0
	CD (1%)	17.4	4.7	11.4	9.7	5.8	6.6	14.4	17.1	13.7	10.0	8.6	9.2	15.7	10.4	4.1	2.6

Table No. 1 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry Name	CWZ			NEPZ				NWPZ			
		Banswara_RJ	Godhara_GJ	Z_CWZ	BHU_UP	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	31	33	31	30	34	36	34	29	38	38	35
2	AH8106	33	40	36	34	34	38	35	28	40	38	36
3	AH8181	33	32	33	30	39	35	34	29	40	40	36
4	DH-318	32	28	30	33	38	37	36	30	39	38	35
5	DH-319	35	36	36	32	35	39	34	28	40	40	36
6	EH-2936	34	40	36	30	37	34	34	28	39	38	35
7	EH-3369	32	36	34	30	38	38	36	27	39	38	35
8	FH3861	34	33	33	34	42	37	37	28	39	37	35
9	FH3864	33	35	34	33	37	38	36	28	38	39	35
10	FH3875	32	34	34	34	36	33	34	30	39	40	36
11	FH3879	34	34	34	34	36	35	36	29	38	40	36
12	HKH-365	29	33	31	25	35	37	32	28	39	35	35
13	IMHSB-18K-01	35	22	29	31	38	37	35	29	40	38	36
14	IMHVS-003	34	38	36	29	40	34	34	28	39	38	34
15	IMHVS-004	36	35	36	36	35	36	36	29	39	38	36
16	JH 31950	34	30	33	34	39	37	36	30	39	40	36
17	JH 32014	30	36	33	33	38	35	36	30	39	37	35
18	JH 32055	33	29	31	33	37	34	35	31	39	38	35
19	JH 32056	32	32	32	33	39	38	36	29	38	37	35
20	JH 32057	31	33	33	35	39	34	36	30	39	38	35
21	JH 32094	31	36	34	29	38	37	34	30	39	40	36
22	KMH 17-38	34	27	31	34	37	34	34	29	40	36	35
23	KMH 17-89	35	35	35	34	39	35	36	30	39	41	36
24	LMH 3817	34	28	31	31	39	37	35	30	39	40	36
25	LMH 3917	35	35	36	34	37	37	36	29	39	37	35

Table No. 1 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry Name	CWZ			NEPZ				NWPZ			
		Banswara_RJ	Godhara_GJ	Z_CWZ	BHU_UP	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	31	32	31	30	36	37	35	28	39	35	34
27	RCRMH10(CAH174)	33	30	32	34	35	37	36	29	39	40	36
28	RCRMH11(CAH173)	34	41	37	35	39	35	36	28	40	38	36
29	REH2016-1	36	35	35	32	35	34	34	30	39	38	36
30	VIRAT	26	35	31	30	34	35	34	30	40	35	35
31	X104	34	32	33	33	38	34	34	28	39	34	34
32	BIO 605 ©	34	36	35	31	38	34	35	31	39	39	36
33	DKC 7074 ©	33	34	34	31	35	36	33	30	38	40	36
34	PMH 5 ©	31	38	35	31	36	37	34	29	39	38	36
35	VIVEK MAIZE HYBRID 45 (C)	30	33	31	33	37	38	36	30	40	40	36
36	VIVEK MAIZE HYBRID 51 (C)	33	32	32	34	34	35	35	29	39	39	36
	Location Mean	33	34	33	32	37	36	35	29	39	38	35
	CV (%)	8.4	12.6	10.7	9.6	8.0	6.3	8.0	4.3	2.3	6.1	4.5
	F (Prob)	0.1	0.0	0.0	0.2	0.4	0.3	0.0	0.3	0.5	0.3	0.0
	CD (5%)	4.5	6.9	4.1	5.0	4.8	3.7	2.6	2.0	1.5	3.8	1.5
	CD (1%)	6.0	9.2	5.4	6.7	6.4	4.9	3.4	2.7	2.0	5.1	2.0

Table No. 1 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyde_AP	Karim_AP	Kolha_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	33	40	38	33	38	36	38	34	35	36	35
2	AH8106	32	39	38	39	38	38	38	44	32	37	36
3	AH8181	33	41	31	33	37	37	40	35	33	35	35
4	DH-318	31	40	39	36	36	37	38	43	32	37	35
5	DH-319	32	38	33	29	37	37	39	44	35	36	36
6	EH-2936	33	40	40	35	39	37	36	36	31	36	36
7	EH-3369	32	36	40	35	33	37	39	36	32	36	35
8	FH3861	33	38	39	36	36	38	39	44	34	37	36
9	FH3864	32	37	39	35	35	37	38	45	34	37	36
10	FH3875	30	42	39	35	38	38	38	36	31	36	36
11	FH3879	31	39	40	34	38	35	41	32	32	36	36
12	HKH-365	26	30	32	31	35	27	36	26	12	28	30
13	IMHSB-18K-01	31	35	38	38	35	34	40	42	32	36	35
14	IMHVS-003	33	37	38	38	38	35	40	39	35	37	36
15	IMHVS-004	32	37	40	36	36	37	34	37	29	36	36
16	JH 31950	32	39	35	33	37	37	37	42	34	36	36
17	JH 32014	32	39	40	38	33	37	42	39	33	37	36
18	JH 32055	31	40	32	33	34	34	37	38	33	35	35
19	JH 32056	32	39	37	36	37	35	39	42	35	37	36
20	JH 32057	32	39	39	32	39	37	40	40	33	36	36
21	JH 32094	34	35	38	36	36	37	38	41	33	37	36
22	KMH 17-38	31	38	39	35	35	36	37	41	31	36	35
23	KMH 17-89	30	37	39	35	36	36	38	39	32	36	36
24	LMH 3817	32	39	39	34	36	36	38	35	32	36	35
25	LMH 3917	32	38	40	31	37	37	36	41	33	36	36

Table No. 1 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyde_AP	Karim_AP	Kolha_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	29	39	30	27	37	34	38	40	34	34	34
27	RCRMH10(CAH174)	30	38	40	39	39	37	35	35	34	36	36
28	RCRMH11(CAH173)	33	39	40	37	39	37	39	41	32	37	37
29	REH2016-1	31	37	39	34	39	36	38	35	32	36	35
30	VIRAT	30	30	35	32	38	31	35	29	18	30	32
31	X104	30	38	37	37	38	38	37	36	21	35	34
32	BIO 605 ©	33	38	41	36	35	37	41	38	36	37	36
33	DKC 7074 ©	32	38	38	36	39	38	41	48	33	38	36
34	PMH 5 ©	31	33	39	38	39	35	37	42	33	36	36
35	VIVEK MAIZE HYBRID 45 (C)	32	36	36	35	38	37	39	35	31	36	35
36	VIVEK MAIZE HYBRID 51 (C)	34	38	40	36	37	37	38	37	34	37	36
	Location Mean	32	38	38	35	37	36	38	39	32	36	35
	CV (%)	4.3	8.3	9.2	8.2	7.4	4.7	7.2	11.4	8.0	8.1	7.9
	F (Prob)	0.0	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.0	0.0	0.0
	CD (5%)	2.2	5.1	5.6	4.7	4.4	2.8	4.5	7.2	4.1	1.6	1.1
	CD (1%)	2.9	6.8	7.5	6.2	5.9	3.7	6.0	9.5	5.5	2.1	1.5

Table No. 1 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	194	219	149	162	192	182	184	160	163	174	169
2	AH8106	201	203	155	160	215	186	190	162	181	168	174
3	AH8181	210	197	169	167	226	192	194	157	181	167	174
4	DH-318	190	176	140	158	176	170	166	152	168	143	158
5	DH-319	182	186	144	160	168	168	169	155	172	169	166
6	EH-2936	181	225	163	153	210	185	160	169	190	151	167
7	EH-3369	202	196	136	184	190	182	183	165	192	185	180
8	FH3861	219	194	136	165	189	181	183	160	159	162	164
9	FH3864	166	207	137	156	173	167	171	144	148	157	154
10	FH3875	185	181	128	164	172	167	178	146	158	155	161
11	FH3879	204	199	144	165	184	179	181	168	163	158	169
12	HKH-365	210	232	159	171	214	197	193	173	191	163	180
13	IMHSB-18K-01	238	218	148	137	215	191	175	165	189	164	172
14	IMHVS-003	213	211	148	151	207	187	186	172	180	151	174
15	IMHVS-004	205	183	152	165	189	180	174	146	164	146	160
16	JH 31950	201	198	142	167	186	177	189	156	171	171	172
17	JH 32014	208	215	158	164	210	192	214	172	180	162	182
18	JH 32055	216	191	156	152	196	184	195	178	197	159	183
19	JH 32056	216	215	152	156	190	186	170	143	173	167	164
20	JH 32057	233	211	162	163	226	198	194	186	189	168	185
21	JH 32094	222	216	170	176	234	203	198	183	194	179	187
22	KMH 17-38	198	172	146	185	187	180	183	149	179	184	172
23	KMH 17-89	190	217	142	148	198	179	179	160	163	151	165
24	LMH 3817	199	172	135	170	174	171	174	158	158	157	163
25	LMH 3917	187	200	140	173	199	178	162	147	171	165	161

Table No. 1 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	180	201	135	151	187	171	171	144	119	144	145
27	RCRMH10(CAH174)	193	195	131	156	204	176	165	159	163	143	160
28	RCRMH11(CAH173)	208	228	149	160	191	187	167	143	174	157	157
29	REH2016-1	218	233	153	150	197	192	201	166	186	153	178
30	VIRAT	196	187	145	153	192	174	183	157	169	153	165
31	X104	197	219	159	170	225	194	178	160	191	168	174
32	BIO 605 ©	225	218	153	156	219	194	192	178	179	159	177
33	DKC 7074 ©	186	198	146	179	192	181	170	156	170	160	163
34	PMH 5 ©	184	215	141	175	189	179	162	152	164	161	160
35	VIVEK MAIZE HYBRID 45 (C)	179	214	124	152	167	167	168	143	132	157	151
36	VIVEK MAIZE HYBRID 51 (C)	193	206	147	180	176	181	163	149	171	173	163
	Location Mean	201	204	147	163	196	182	180	159	172	161	168
	CV (%)	8.7	9.3	5.2	7.2	8.9	8.4	6.5	7.3	9.4	10.0	8.4
	F (Prob)	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	1.0
	CD (5%)	28.7	31.2	12.5	19.1	28.5	11.9	19.2	19.0	26.5	26.5	12.2
	CD (1%)	38.2	41.6	16.7	25.4	38.0	15.6	25.6	25.3	35.2	35.2	16.1

Table No. 1 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	173	155	194	264	198	180	193	163	107	140	157	186	169	137	159	173
2	AH8106	194	166	209	253	204	180	208	159	121	128	183	190	167	148	164	178
3	AH8181	188	191	208	271	215	209	217	209	137	155	193	219	189	159	188	191
4	DH-318	199	160	205	262	206	176	184	170	99	156	156	183	168	132	159	170
5	DH-319	187	166	202	249	198	179	190	175	107	137	167	187	154	136	158	169
6	EH-2936	205	184	216	257	215	210	214	184	119	157	185	187	179	163	177	184
7	EH-3369	199	163	197	241	203	179	207	163	110	135	175	183	159	137	160	176
8	FH3861	209	161	224	248	211	183	188	180	101	169	167	182	160	126	161	175
9	FH3864	172	161	216	248	200	155	168	143	79	131	158	163	149	126	143	160
10	FH3875	208	166	207	272	209	171	170	148	87	110	163	171	158	114	143	164
11	FH3879	204	173	209	258	210	176	192	164	98	124	177	166	180	128	157	174
12	HKH-365	178	181	207	262	208	189	209	185	113	133	189	200	161	153	172	185
13	IMHSB-18K-01	202	164	206	252	206	197	218	198	122	158	195	185	172	137	175	184
14	IMHVS-003	178	170	209	240	201	188	199	194	121	135	180	198	169	137	170	180
15	IMHVS-004	198	180	218	252	211	186	194	175	112	151	180	189	166	141	168	177
16	JH 31950	195	178	209	266	212	173	191	147	96	138	159	187	166	125	156	173
17	JH 32014	183	195	204	285	217	184	191	189	122	162	186	208	181	148	175	188
18	JH 32055	194	189	211	250	210	216	221	193	132	191	194	207	193	154	189	191
19	JH 32056	193	161	207	243	202	170	195	186	117	128	163	183	156	128	160	174
20	JH 32057	187	196	221	269	215	205	231	193	128	157	197	207	184	157	183	193
21	JH 32094	177	186	205	265	212	189	203	291	121	160	185	204	173	148	187	195
22	KMH 17-38	189	176	207	246	207	179	192	188	105	141	187	196	171	129	165	177
23	KMH 17-89	193	188	196	255	206	177	191	179	120	154	167	169	165	131	161	174
24	LMH 3817	202	156	197	254	202	177	185	168	99	134	156	185	149	123	152	168
25	LMH 3917	199	168	208	261	211	154	168	140	92	135	146	168	164	120	145	167

Table No. 1 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	NWPZ					PZ										All
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	207	142	185	231	188	149	162	134	91	142	152	161	145	101	135	155
27	RCRMH10(CAH174)	195	176	198	252	204	164	189	170	97	136	170	177	158	126	154	169
28	RCRMH11(CAH173)	213	158	208	234	204	184	196	171	111	141	173	177	174	120	159	173
29	REH2016-1	190	173	211	256	207	197	200	193	117	130	173	197	170	139	168	183
30	VIRAT	212	161	210	249	207	175	192	184	108	160	180	181	163	136	163	174
31	X104	206	182	205	263	218	182	202	203	117	148	189	197	185	155	175	187
32	BIO 605 ©	222	180	222	268	223	194	206	201	122	143	187	197	183	138	174	188
33	DKC 7074 ©	209	164	195	247	206	180	182	172	106	140	155	182	159	114	155	171
34	PMH 5 ©	191	166	208	236	203	177	173	169	104	134	172	182	175	128	158	171
35	VIVEK MAIZE HYBRID 45 (C)	188	142	210	280	200	146	166	145	89	141	145	165	150	121	138	159
36	VIVEK MAIZE HYBRID 51 (C)	176	163	220	252	204	163	184	145	107	137	160	169	168	123	153	170
	Location Mean	195	171	207	255	207	180	194	177	109	144	173	186	168	134	163	176
	CV (%)	9.7	6.9	6.0	6.4	7.4	5.7	4.1	16.3	6.1	16.1	4.7	5.0	6.8	5.2	9.0	8.4
	F (Prob)	0.5	0.0	0.2	0.1	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.0	1.0
	CD (5%)	31.0	19.3	20.5	26.8	12.6	16.9	13.1	47.2	10.9	37.9	13.3	15.1	18.6	11.5	8.1	5.4
	CD (1%)	41.3	25.7	27.2	35.7	16.7	22.5	17.4	62.8	14.5	50.5	17.8	20.1	24.8	15.3	10.6	7.0

Table No. 1 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	70	118	75	50	105	83	116	70	88	83	88
2	AH8106	73	96	69	66	108	83	98	75	79	81	82
3	AH8181	77	104	77	62	107	84	102	68	83	83	84
4	DH-318	66	104	60	50	81	73	97	66	78	64	77
5	DH-319	67	86	67	50	89	72	98	68	82	84	83
6	EH-2936	63	118	66	52	95	78	98	74	74	66	78
7	EH-3369	66	118	60	91	94	86	96	75	77	98	85
8	FH3861	81	114	57	65	86	80	94	62	63	68	71
9	FH3864	54	96	56	45	84	67	99	61	65	78	74
10	FH3875	58	90	48	62	73	67	88	54	54	78	71
11	FH3879	67	95	57	60	87	73	97	74	57	67	75
12	HKH-365	68	123	68	59	115	86	107	81	88	72	87
13	IMHSB-18K-01	93	137	74	47	126	95	111	84	93	80	92
14	IMHVS-003	68	102	65	51	100	78	97	79	67	72	80
15	IMHVS-004	68	91	63	68	95	78	92	61	67	64	72
16	JH 31950	68	93	57	64	81	72	105	62	65	83	80
17	JH 32014	75	110	66	67	93	83	119	84	84	77	91
18	JH 32055	79	98	77	57	116	87	115	85	86	70	89
19	JH 32056	70	105	64	59	87	77	101	60	70	81	78
20	JH 32057	82	115	74	65	97	87	110	94	83	79	93
21	JH 32094	77	108	77	72	115	90	115	89	80	91	91
22	KMH 17-38	63	86	58	70	85	73	97	61	75	79	77
23	KMH 17-89	66	107	68	53	95	78	105	71	63	65	78
24	LMH 3817	64	85	52	61	80	70	87	69	63	72	73
25	LMH 3917	63	99	56	73	97	77	84	63	67	79	73

Table No. 1 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	CWZ						NEPZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Bhubnesh_OD	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	63	105	47	50	81	69	77	49	59	65	64
27	RCRMH10(CAH174)	69	87	51	57	98	72	75	71	64	67	72
28	RCRMH11(CAH173)	74	112	64	65	94	81	85	54	73	77	70
29	REH2016-1	81	122	67	47	93	83	123	80	79	62	87
30	VIRAT	67	86	58	68	78	71	98	62	60	68	73
31	X104	63	109	68	63	113	83	97	68	81	82	81
32	BIO 605 ©	79	120	69	54	96	84	110	80	85	65	85
33	DKC 7074 ©	66	105	71	70	93	81	99	69	81	73	80
34	PMH 5 ©	63	105	61	74	89	77	101	77	74	79	83
35	VIVEK MAIZE HYBRID 45 (C)	59	103	54	46	84	68	83	58	72	72	73
36	VIVEK MAIZE HYBRID 51 (C)	68	98	66	70	92	80	94	67	86	93	83
	Location Mean	69	104	64	61	94	78	99	70	74	76	80
	CV (%)	11.3	13.4	8.8	17.2	10.6	12.7	8.8	14.1	12.9	18.8	13.6
	F (Prob)	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.7	1.0
	CD (5%)	12.8	22.8	9.2	17.0	16.4	7.7	14.3	16.2	15.6	23.2	9.3
	CD (1%)	17.1	30.3	12.3	22.7	21.8	10.1	19.0	21.6	20.7	30.9	12.2

Table No. 1 (Contd.) **Ear Height**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1619	90	89	101	117	100	99	99	72	47	61	84	75	99	76	79	85
2	AH8106	103	76	104	108	97	85	96	55	54	54	83	80	93	70	74	82
3	AH8181	105	96	117	117	109	101	100	69	48	66	93	85	100	79	82	88
4	DH-318	112	76	103	124	103	83	83	61	41	72	75	75	96	68	73	79
5	DH-319	100	82	92	106	93	91	87	61	41	70	84	76	88	73	74	79
6	EH-2936	113	89	112	118	107	101	87	68	50	64	80	65	100	73	77	83
7	EH-3369	110	77	101	104	102	95	97	56	48	58	83	73	91	71	75	84
8	FH3861	110	81	122	113	104	87	77	59	37	82	79	79	93	62	72	79
9	FH3864	96	79	116	104	101	72	65	51	30	59	74	73	75	60	62	72
10	FH3875	107	77	105	123	99	74	69	47	29	38	71	64	76	54	58	70
11	FH3879	107	81	105	110	100	87	72	55	36	44	82	59	78	66	65	75
12	HKH-365	101	101	100	119	105	92	97	64	48	65	86	92	92	72	79	87
13	IMHSB-18K-01	105	89	99	130	108	99	118	85	65	74	104	86	115	81	91	95
14	IMHVS-003	84	82	106	112	96	91	92	61	50	55	84	81	95	67	75	81
15	IMHVS-004	114	94	109	113	105	88	75	65	47	58	82	72	79	71	72	80
16	JH 31950	103	86	108	119	104	87	80	53	34	53	78	72	86	61	67	77
17	JH 32014	92	102	97	133	105	95	79	66	55	69	82	79	95	69	77	86
18	JH 32055	103	104	106	113	107	110	111	76	61	85	93	81	123	83	92	93
19	JH 32056	105	78	109	102	99	80	80	67	48	54	75	66	79	63	69	78
20	JH 32057	97	105	117	121	108	103	110	73	56	64	98	96	113	77	87	92
21	JH 32094	88	99	115	118	107	96	90	67	52	70	89	91	97	69	81	89
22	KMH 17-38	99	91	107	100	101	83	79	57	40	71	84	74	92	61	71	78
23	KMH 17-89	100	101	101	118	105	90	96	74	52	59	83	64	98	66	76	82
24	LMH 3817	106	73	97	110	97	83	75	53	31	45	72	62	74	58	61	72
25	LMH 3917	110	76	110	123	107	73	69	50	37	52	72	63	81	56	63	75

Table No. 1 (Contd.) **Ear Height**

S. No.	Entry Name	NWPZ					PZ										All India
		IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyde_AP	Kari_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
26	LMH 4017	116	75	86	97	90	68	61	32	34	66	68	46	105	43	57	67
27	RCRMH10(CAH174)	104	83	94	103	94	76	90	57	41	54	82	66	79	58	67	75
28	RCRMH11(CAH173)	119	82	105	95	101	85	85	60	51	59	81	62	95	63	70	78
29	REH2016-1	101	97	109	103	102	96	95	77	54	63	81	89	86	73	80	86
30	VIRAT	117	61	102	109	98	78	73	58	39	63	79	71	96	54	68	75
31	X104	112	93	100	120	109	92	91	69	47	57	86	81	104	75	79	86
32	BIO 605 ©	114	90	116	122	112	96	86	71	45	66	87	76	102	66	78	87
33	DKC 7074 ©	112	78	100	109	100	90	86	60	46	55	76	84	88	64	72	81
34	PMH 5 ©	104	84	109	99	101	83	75	59	44	53	80	69	94	62	69	79
35	VIVEK MAIZE HYBRID 45 (C)	105	62	108	133	98	81	76	44	37	58	69	64	82	60	62	72
36	VIVEK MAIZE HYBRID 51 (C)	97	82	127	112	105	90	83	57	49	60	80	66	91	65	72	82
	Location Mean	104	85	106	113	102	88	86	61	45	61	82	74	92	66	73	81
	CV (%)	13.9	13.7	11.7	13.2	13.2	7.9	8.0	11.4	10.0	19.6	6.0	13.0	15.5	6.5	11.6	12.8
	F (Prob)	0.8	0.0	0.3	0.3	1.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	1.0	1.0
	CD (5%)	23.7	19.1	20.3	24.4	10.8	11.4	11.3	11.5	7.4	19.5	8.0	15.7	23.4	7.0	4.8	3.7
	CD (1%)	31.6	25.4	27.0	32.5	14.3	15.1	15.0	15.3	9.8	26.0	10.6	20.9	31.1	9.4	6.3	4.9

Table No. 2: Trial No. 442 (NIVT-Early Maturity) Zone 1 **Yield kg/ha**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 8106	12836.16	4	6650.19	4	11407.22	1	6044.41	4	5617.75	12	7997.39	9	8123.93	4
2	AH8181	13380.55	3	6592.06	5	9337.26	5	4791.02	21	5630.66	11	8483.11	7	8071.34	6
3	DH 318	9328.5	19	3444.36	13	7007.66	17	4846.14	20	6117.86	5	7204.28	14	6874.19	15
4	DH 319	9657.64	16	1525.41	20	6656.71	18	5322.95	12	5289.93	14	7142.65	15	6853.29	16
5	FH 3861	12274.94	5	8141.98	1	8538	7	4772.49	22	5529.77	13	9581.45	2	8039.66	7
6	FH 3864	9527.64	17	2629.73	17	4805.75	19	5036.51	17	4245.6	23	4891.73	22	5925.37	23
7	FH 3875	12048.04	7	2952.91	16	7474.45	14	5307.87	13	6383.14	2	8926.4	3	8166.36	2
8	FH 3879	11216.4	9	7520.42	2	8468.44	8	7147.12	3	5185.21	16	8840.85	5	8097.4	5
9	GEMH 16208	7504.55	22	1978.23	19	3688.74	20	5117.39	16	5967.55	8	5326.09	20	5978.89	21
10	HKH 365	9732.12	14	4024.64	10	3631.43	21	4902.31	19	6258.43	4	5208.65	21	6525.38	18
11	KDMH-117	10376.27	12	3972.45	11	8921.45	6	4530.15	23	5849.05	10	3405.37	23	6040.21	20
12	KMH 17-38	10564.65	10	3073.5	15	7175.67	16	5362.56	10	6704.75	1	8808.62	6	7860.15	10
13	KMH 17-89	13424.63	2	2082.68	18	7463.22	15	8750.82	1	5015.14	18	7531.94	12	8680.63	1
14	LMH 3817	9704.12	15	4410.29	9	7721.3	12	5145.82	15	4936.32	20	8913.71	4	7174.99	12
15	LMH 3917	9473.72	18	3575.3	12	7993.77	11	5475.8	9	6103.53	6	7290.22	13	7085.81	14
16	LMH 4017	7036.41	23	806.37	22	3405.86	22	5026.04	18	4797.33	22	7018.17	16	5969.49	22
17	MCRS-MH3	7863.15	21	710.2	23	2572.69	23	5492.28	8	6054.82	7	6185.32	19	6398.89	19
18	X 104	12051.05	6	4769.92	8	9396.57	4	7247.14	2	5870.27	9	6623.17	18	7947.91	9
19	BIO 605 (C)	11755.85	8	6244.27	6	7503.33	13	5862.28	5	4893.8	21	10022.86	1	8133.7	3
20	DKC7074 (C)	13516.43	1	5438.94	7	8008.86	10	5606.31	6	4958.05	19	7928.36	10	8002.29	8
21	PMH5 (C)	9122.09	20	1224.06	21	9760.85	2	5157.87	14	5266.39	15	6987.18	17	6633.38	17
22	VIVEK HYB-45 (C)	10006.39	13	3203.81	14	8162.59	9	5331.28	11	6288.9	3	8092.94	8	7429.88	11
23	VIVEK HYB-51 (C)	10461.37	11	6806.48	3	9543.93	3	5528.9	7	5015.28	17	7610.57	11	7154.03	13
	Location Mean	10559.25	.	3990.36	.	7332.42	.	5556.76	.	5564.33	.	7392.22	.	7268.14	.
	CV (%)	8.01	.	37.29	.	33.68	.	14.13	.	22.1	.	14.01	.	13.62	.
	F (Prob)	0	.	0	.	0	.	0	.	0.74	.	0	.	0	.
	CD (5%)	1392.55	.	2448.59	.	4063.57	.	1292.27	.	2023.6	.	1704.23	.	797.37	.
	CD (1%)	1860.27	.	3271.01	.	5428.42	.	1726.31	.	2703.28	.	2276.64	.	1052.12	.

Table No. 2: (Contd.) **Gain in Yield(%) over BIO 605 (CHECK)**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8106	9.19	4	6.5	4	52.03	1	3.11	4	14.79	12	-20.21	9	-0.12	4
2	AH8181	13.82	3	5.57	5	24.44	5	-18.27	21	15.06	11	-15.36	7	-0.77	6
3	DH 318	-20.65	19	-44.84	13	-6.61	17	-17.33	20	25.01	5	-28.12	14	-15.48	15
4	DH 319	-17.85	16	-75.57	20	-11.28	18	-9.2	12	8.09	14	-28.74	15	-15.74	16
5	FH 3861	4.42	5	30.39	1	13.79	7	-18.59	22	13	13	-4.4	2	-1.16	7
6	FH 3864	-18.95	17	-57.89	17	-35.95	19	-14.09	17	-13.25	23	-51.19	22	-27.15	23
7	FH 3875	2.49	7	-52.71	16	-0.38	14	-9.46	13	30.43	2	-10.94	3	0.4	2
8	FH 3879	-4.59	9	20.44	2	12.86	8	21.92	3	5.95	16	-11.79	5	-0.45	5
9	GEMH 16208	-36.16	22	-68.32	19	-50.84	20	-12.71	16	21.94	8	-46.86	20	-26.49	21
10	HKH 365	-17.21	14	-35.55	10	-51.6	21	-16.38	19	27.88	4	-48.03	21	-19.77	18
11	KDMH-117	-11.74	12	-36.38	11	18.9	6	-22.72	23	19.52	10	-66.02	23	-25.74	20
12	KMH 17-38	-10.13	10	-50.78	15	-4.37	16	-8.52	10	37.01	1	-12.11	6	-3.36	10
13	KMH 17-89	14.2	2	-66.65	18	-0.53	15	49.27	1	2.48	18	-24.85	12	6.72	1
14	LMH 3817	-17.45	15	-29.37	9	2.9	12	-12.22	15	0.87	20	-11.07	4	-11.79	12
15	LMH 3917	-19.41	18	-42.74	12	6.54	11	-6.59	9	24.72	6	-27.26	13	-12.88	14
16	LMH 4017	-40.15	23	-87.09	22	-54.61	22	-14.26	18	-1.97	22	-29.98	16	-26.61	22
17	MCRS-MH3	-33.11	21	-88.63	23	-65.71	23	-6.31	8	23.72	7	-38.29	19	-21.33	19
18	X 104	2.51	6	-23.61	8	25.23	4	23.62	2	19.95	9	-33.92	18	-2.28	9
19	BIO 605 (C)	0	8	0	6	0	13	0	5	0	21	0	1	0	3
20	DKC7074 (C)	14.98	1	-12.9	7	6.74	10	-4.37	6	1.31	19	-20.9	10	-1.62	8
21	PMH5 (C)	-22.4	20	-80.4	21	30.09	2	-12.02	14	7.61	15	-30.29	17	-18.45	17
22	VIVEK HYB-45 (C)	-14.88	13	-48.69	14	8.79	9	-9.06	11	28.51	3	-19.26	8	-8.65	11
23	VIVEK HYB-51 (C)	-11.01	11	9	3	27.2	3	-5.69	7	2.48	17	-24.07	11	-12.04	13

Table No. 2: (Contd.) **Gain in Yield(%) over DKC7074 (CHECK)**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8106	-5.03	4	22.27	4	42.43	1	7.81	4	13.31	12	0.87	9	1.52	4
2	AH8181	-1.01	3	21.2	5	16.59	5	-14.54	21	13.57	11	7	7	0.86	6
3	DH 318	-30.98	19	-36.67	13	-12.5	17	-13.56	20	23.39	5	-9.13	14	-14.1	15
4	DH 319	-28.55	16	-71.95	20	-16.88	18	-5.05	12	6.69	14	-9.91	15	-14.36	16
5	FH 3861	-9.19	5	49.7	1	6.61	7	-14.87	22	11.53	13	20.85	2	0.47	7
6	FH 3864	-29.51	17	-51.65	17	-39.99	19	-10.16	17	-14.37	23	-38.3	22	-25.95	23
7	FH 3875	-10.86	7	-45.71	16	-6.67	14	-5.32	13	28.74	2	12.59	3	2.05	2
8	FH 3879	-17.02	9	38.27	2	5.74	8	27.48	3	4.58	16	11.51	5	1.19	5
9	GEMH 16208	-44.48	22	-63.63	19	-53.94	20	-8.72	16	20.36	8	-32.82	20	-25.29	21
10	HKH 365	-28	14	-26	10	-54.66	21	-12.56	19	26.23	4	-34.3	21	-18.46	18
11	KDMH-117	-23.23	12	-26.96	11	11.39	6	-19.2	23	17.97	10	-57.05	23	-24.52	20
12	KMH 17-38	-21.84	10	-43.49	15	-10.4	16	-4.35	10	35.23	1	11.1	6	-1.78	10
13	KMH 17-89	-0.68	2	-61.71	18	-6.81	15	56.09	1	1.15	18	-5	12	8.48	1
14	LMH 3817	-28.21	15	-18.91	9	-3.59	12	-8.21	15	-0.44	20	12.43	4	-10.34	12
15	LMH 3917	-29.91	18	-34.26	12	-0.19	11	-2.33	9	23.1	6	-8.05	13	-11.45	14
16	LMH 4017	-47.94	23	-85.17	22	-57.47	22	-10.35	18	-3.24	22	-11.48	16	-25.4	22
17	MCRS-MH3	-41.83	21	-86.94	23	-67.88	23	-2.03	8	22.12	7	-21.98	19	-20.04	19
18	X 104	-10.84	6	-12.3	8	17.33	4	29.27	2	18.4	9	-16.46	18	-0.68	9
19	BIO 605 (C)	-13.03	8	14.81	6	-6.31	13	4.57	5	-1.3	21	26.42	1	1.64	3
20	DKC7074 (C)	0	1	0	7	0	10	0	6	0	19	0	10	0	8
21	PMH5 (C)	-32.51	20	-77.49	21	21.88	2	-8	14	6.22	15	-11.87	17	-17.11	17
22	VIVEK HYB-45 (C)	-25.97	13	-41.1	14	1.92	9	-4.91	11	26.84	3	2.08	8	-7.15	11
23	VIVEK HYB-51 (C)	-22.6	11	25.14	3	19.17	3	-1.38	7	1.15	17	-4.01	11	-10.6	13

Table No. 2: (Contd.) **Gain in Yield(%) over PMH5 (CHECK)**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8106	40.72	4	443.29	4	16.87	1	17.19	4	6.67	12	14.46	9	22.47	4
2	AH8181	46.68	3	438.54	5	-4.34	5	-7.11	21	6.92	11	21.41	7	21.68	6
3	DH 318	2.26	19	181.39	13	-28.21	17	-6.04	20	16.17	5	3.11	14	3.63	15
4	DH 319	5.87	16	24.62	20	-31.8	18	3.2	12	0.45	14	2.23	15	3.32	16
5	FH 3861	34.56	5	565.16	1	-12.53	7	-7.47	22	5	13	37.13	2	21.2	7
6	FH 3864	4.45	17	114.84	17	-50.77	19	-2.35	17	-19.38	23	-29.99	22	-10.67	23
7	FH 3875	32.08	7	141.24	16	-23.42	14	2.91	13	21.21	2	27.75	3	23.11	2
8	FH 3879	22.96	9	514.38	2	-13.24	8	38.57	3	-1.54	16	26.53	5	22.07	5
9	GEMH 16208	-17.73	22	61.61	19	-62.21	20	-0.78	16	13.31	8	-23.77	20	-9.87	21
10	HKH 365	6.69	14	228.79	10	-62.8	21	-4.95	19	18.84	4	-25.45	21	-1.63	18
11	KDMH-117	13.75	12	224.53	11	-8.6	6	-12.17	23	11.06	10	-51.26	23	-8.94	20
12	KMH 17-38	15.81	10	151.09	15	-26.49	16	3.97	10	27.31	1	26.07	6	18.49	10
13	KMH 17-89	47.17	2	70.15	18	-23.54	15	69.66	1	-4.77	18	7.8	12	30.86	1
14	LMH 3817	6.38	15	260.3	9	-20.9	12	-0.23	15	-6.27	20	27.57	4	8.16	12
15	LMH 3917	3.85	18	192.09	12	-18.1	11	6.16	9	15.9	6	4.34	13	6.82	14
16	LMH 4017	-22.86	23	-34.12	22	-65.11	22	-2.56	18	-8.91	22	0.44	16	-10.01	22
17	MCRS-MH3	-13.8	21	-41.98	23	-73.64	23	6.48	8	14.97	7	-11.48	19	-3.54	19
18	X 104	32.11	6	289.68	8	-3.73	4	40.51	2	11.47	9	-5.21	18	19.82	9
19	BIO 605 (C)	28.87	8	410.13	6	-23.13	13	13.66	5	-7.07	21	43.45	1	22.62	3
20	DKC7074 (C)	48.17	1	344.34	7	-17.95	10	8.69	6	-5.85	19	13.47	10	20.64	8
21	PMH5 (C)	0	20	0	21	0	2	0	14	0	15	0	17	0	17
22	VIVEK HYB-45 (C)	9.69	13	161.74	14	-16.37	9	3.36	11	19.42	3	15.83	8	12.01	11
23	VIVEK HYB-51 (C)	14.68	11	456.06	3	-2.22	3	7.19	7	-4.77	17	8.92	11	7.85	13

Table No. 2: (Contd.) **Gain in Yield(%) over VIVEK HYB-45 (CHECK)**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8106	28.28	4	107.57	4	39.75	1	13.38	4	-10.67	12	-1.18	9	9.34	4
2	AH8181	33.72	3	105.76	5	14.39	5	-10.13	21	-10.47	11	4.82	7	8.63	6
3	DH 318	-6.77	19	7.51	13	-14.15	17	-9.1	20	-2.72	5	-10.98	14	-7.48	15
4	DH 319	-3.49	16	-52.39	20	-18.45	18	-0.16	12	-15.88	14	-11.74	15	-7.76	16
5	FH 3861	22.67	5	154.13	1	4.6	7	-10.48	22	-12.07	13	18.39	2	8.21	7
6	FH 3864	-4.78	17	-17.92	17	-41.12	19	-5.53	17	-32.49	23	-39.56	22	-20.25	23
7	FH 3875	20.4	7	-7.83	16	-8.43	14	-0.44	13	1.5	2	10.3	3	9.91	2
8	FH 3879	12.09	9	134.73	2	3.75	8	34.06	3	-17.55	16	9.24	5	8.98	5
9	GEMH 16208	-25	22	-38.25	19	-54.81	20	-4.01	16	-5.11	8	-34.19	20	-19.53	21
10	HKH 365	-2.74	14	25.62	10	-55.51	21	-8.05	19	-0.48	4	-35.64	21	-12.17	18
11	KDMH-117	3.7	12	23.99	11	9.3	6	-15.03	23	-6.99	10	-57.92	23	-18.7	20
12	KMH 17-38	5.58	10	-4.07	15	-12.09	16	0.59	10	6.61	1	8.84	6	5.79	10
13	KMH 17-89	34.16	2	-34.99	18	-8.57	15	64.14	1	-20.25	18	-6.93	12	16.83	1
14	LMH 3817	-3.02	15	37.66	9	-5.41	12	-3.48	15	-21.51	20	10.14	4	-3.43	12
15	LMH 3917	-5.32	18	11.6	12	-2.07	11	2.71	9	-2.95	6	-9.92	13	-4.63	14
16	LMH 4017	-29.68	23	-74.83	22	-58.27	22	-5.73	18	-23.72	22	-13.28	16	-19.66	22
17	MCRS-MH3	-21.42	21	-77.83	23	-68.48	23	3.02	8	-3.72	7	-23.57	19	-13.88	19
18	X 104	20.43	6	48.88	8	15.12	4	35.94	2	-6.66	9	-18.16	18	6.97	9
19	BIO 605 (C)	17.48	8	94.9	6	-8.08	13	9.96	5	-22.18	21	23.85	1	9.47	3
20	DKC7074 (C)	35.08	1	69.76	7	-1.88	10	5.16	6	-21.16	19	-2.03	10	7.7	8
21	PMH5 (C)	-8.84	20	-61.79	21	19.58	2	-3.25	14	-16.26	15	-13.66	17	-10.72	17
22	VIVEK HYB-45 (C)	0	13	0	14	0	9	0	11	0	3	0	8	0	11
23	VIVEK HYB-51 (C)	4.55	11	112.45	3	16.92	3	3.71	7	-20.25	17	-5.96	11	-3.71	13

Table No. 2: (Contd.) **Gain in Yield(%) over VIVEK HYB-51 (CHECK)**

S. No.	Entry	NHZ												Z_NHZ	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		Srinagar_JK		VPKAS_UK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8106	22.7	4	-2.3	4	19.52	1	9.32	4	12.01	12	5.08	9	13.56	4
2	AH8181	27.9	3	-3.15	5	-2.17	5	-13.35	21	12.27	11	11.46	7	12.82	6
3	DH 318	-10.83	19	-49.4	13	-26.57	17	-12.35	20	21.98	5	-5.34	14	-3.91	15
4	DH 319	-7.68	16	-77.59	20	-30.25	18	-3.73	12	5.48	14	-6.15	15	-4.2	16
5	FH 3861	17.34	5	19.62	1	-10.54	7	-13.68	22	10.26	13	25.9	2	12.38	7
6	FH 3864	-8.93	17	-61.36	17	-49.65	19	-8.91	17	-15.35	23	-35.72	22	-17.17	23
7	FH 3875	15.17	7	-56.62	16	-21.68	14	-4	13	27.27	2	17.29	3	14.15	2
8	FH 3879	7.22	9	10.49	2	-11.27	8	29.27	3	3.39	16	16.17	5	13.19	5
9	GEMH 16208	-28.26	22	-70.94	19	-61.35	20	-7.44	16	18.99	8	-30.02	20	-16.43	21
10	HKH 365	-6.97	14	-40.87	10	-61.95	21	-11.33	19	24.79	4	-31.56	21	-8.79	18
11	KDMH-117	-0.81	12	-41.64	11	-6.52	6	-18.06	23	16.62	10	-55.25	23	-15.57	20
12	KMH 17-38	0.99	10	-54.84	15	-24.81	16	-3.01	10	33.69	1	15.74	6	9.87	10
13	KMH 17-89	28.33	2	-69.4	18	-21.8	15	58.27	1	0	18	-1.03	12	21.34	1
14	LMH 3817	-7.24	15	-35.2	9	-19.1	12	-6.93	15	-1.57	20	17.12	4	0.29	12
15	LMH 3917	-9.44	18	-47.47	12	-16.24	11	-0.96	9	21.7	6	-4.21	13	-0.95	14
16	LMH 4017	-32.74	23	-88.15	22	-64.31	22	-9.1	18	-4.35	22	-7.78	16	-16.56	22
17	MCRS-MH3	-24.84	21	-89.57	23	-73.04	23	-0.66	8	20.73	7	-18.73	19	-10.56	19
18	X 104	15.2	6	-29.92	8	-1.54	4	31.08	2	17.05	9	-12.97	18	11.1	9
19	BIO 605 (C)	12.37	8	-8.26	6	-21.38	13	6.03	5	-2.42	21	31.7	1	13.69	3
20	DKC7074 (C)	29.2	1	-20.09	7	-16.08	10	1.4	6	-1.14	19	4.18	10	11.86	8
21	PMH5 (C)	-12.8	20	-82.02	21	2.27	2	-6.71	14	5.01	15	-8.19	17	-7.28	17
22	VIVEK HYB-45 (C)	-4.35	13	-52.93	14	-14.47	9	-3.57	11	25.39	3	6.34	8	3.86	11
23	VIVEK HYB-51 (C)	0	11	0	3	0	3	0	7	0	17	0	11	0	13

Table No. 2: (Contd.) **Moisture %**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	19.4	19.5	22.7	27.9	18.3	28.8	22.8
2	AH8181	19.6	16.9	25.5	29.6	17.3	28.4	22.9
3	DH 318	19.5	17.2	22.1	28.1	17.0	25.1	21.5
4	DH 319	19.0	17.7	18.5	29.1	17.0	24.5	21.0
5	FH 3861	19.1	19.4	22.2	30.7	18.0	30.0	23.2
6	FH 3864	19.5	16.7	19.0	28.4	17.7	26.8	21.4
7	FH 3875	19.2	16.9	19.2	26.9	18.0	27.2	21.2
8	FH 3879	19.1	18.2	25.4	27.4	18.0	28.9	22.8
9	GEMH 16208	17.8	19.1	18.7	28.5	16.0	26.4	21.1
10	HKH 365	19.5	15.5	17.3	30.1	17.3	27.4	21.2
11	KDMH-117	19.6	16.8	19.0	30.2	16.7	28.4	21.8
12	KMH 17-38	19.4	16.1	22.3	27.8	17.3	25.7	21.4
13	KMH 17-89	18.9	16.3	20.1	26.4	18.0	27.1	21.1
14	LMH 3817	18.7	18.1	18.5	27.3	17.3	27.6	21.3
15	LMH 3917	19.3	16.7	19.1	27.9	16.3	26.2	20.9
16	LMH 4017	17.7	16.8	18.2	29.0	17.7	22.7	20.3
17	MCRS-MH3	17.9	16.5	18.1	28.0	17.0	25.9	20.6
18	X 104	19.6	17.5	22.2	29.5	16.3	28.8	22.3
19	BIO 605 (C)	19.4	15.6	22.0	27.3	17.0	28.6	21.7
20	DKC7074 (C)	19.7	16.2	22.0	28.6	17.0	26.9	21.7
21	PMH5 (C)	19.2	17.4	22.2	28.7	16.7	26.4	21.8
22	VIVEK HYB-45 (C)	18.9	18.7	19.2	28.4	17.7	27.6	21.7
23	VIVEK HYB-51 (C)	19.0	17.1	22.1	29.9	18.3	24.3	21.8
	Location Mean	19.1	17.3	20.7	28.5	17.3	26.9	21.6
	CV (%)	2.3	10.0	17.6	2.8	9.6	8.1	9.4
	F (Prob)	0.0	0.2	0.3	0.0	1.0	0.0	0.0
	CD (5%)	0.7	2.8	6.0	1.3	2.7	3.6	1.3
	CD (1%)	1.0	3.8	8.0	1.7	3.6	4.8	1.8

Table No. 2: (Contd.) **Shelling %**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	82	80	51	78	78	82	75
2	AH8181	83	80	46	77	79	81	74
3	DH 318	85	80	51	79	79	82	76
4	DH 319	85	80	48	78	78	84	75
5	FH 3861	80	80	45	80	78	83	74
6	FH 3864	82	80	53	79	79	83	76
7	FH 3875	80	80	54	78	78	82	75
8	FH 3879	84	80	51	79	78	85	76
9	GEMH 16208	82	80	57	80	79	86	77
10	HKH 365	79	80	38	79	79	78	72
11	KDMH-117	84	80	55	80	79	80	76
12	KMH 17-38	83	80	58	78	78	85	77
13	KMH 17-89	89	80	52	80	78	86	78
14	LMH 3817	80	80	50	79	79	83	75
15	LMH 3917	87	80	55	79	79	88	78
16	LMH 4017	85	80	46	79	79	85	76
17	MCRS-MH3	86	80	55	79	79	88	78
18	X 104	83	80	48	80	79	83	75
19	BIO 605 (C)	85	80	52	79	79	84	76
20	DKC7074 (C)	79	80	55	79	79	81	75
21	PMH5 (C)	83	80	52	78	79	85	76
22	VIVEK HYB-45 (C)	82	80	52	79	78	84	76
23	VIVEK HYB-51 (C)	85	80	49	78	79	84	76
	Location Mean	83	80	51	79	78	84	76
	CV (%)	0.0	0.0	15.9	0.7	1.1	1.6	4.4
	F (Prob)	0.0	.	0.5	0.0	1.0	0.0	0.0
	CD (5%)	0.0	0.0	13.3	0.9	1.4	2.2	2.2
	CD (1%)	0.0	0.0	17.8	1.2	1.9	3.0	2.9

Table No. 2: (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	64	59	47	58	80	61	62
2	AH8181	62	58	47	57	80	61	61
3	DH 318	61	52	44	53	81	57	58
4	DH 319	60	55	45	54	81	55	58
5	FH 3861	62	58	46	58	81	60	61
6	FH 3864	59	52	44	53	78	56	57
7	FH 3875	60	53	46	56	82	57	59
8	FH 3879	60	54	47	53	82	58	59
9	GEMH 16208	53	52	44	56	78	52	56
10	HKH 365	63	60	49	60	79	62	62
11	KDMH-117	63	56	46	61	82	63	62
12	KMH 17-38	59	53	44	54	78	57	58
13	KMH 17-89	60	54	44	47	83	56	57
14	LMH 3817	52	50	42	53	79	53	55
15	LMH 3917	56	50	41	53	80	55	56
16	LMH 4017	57	54	42	59	80	51	57
17	MCRS-MH3	58	52	44	51	79	57	57
18	X 104	66	59	46	52	80	61	61
19	BIO 605 (C)	62	57	46	56	78	58	60
20	DKC7074 (C)	66	57	47	59	79	62	62
21	PMH5 (C)	60	53	43	54	79	57	58
22	VIVEK HYB-45 (C)	58	52	45	53	80	57	58
23	VIVEK HYB-51 (C)	58	56	44	53	78	54	57
	Location Mean	60	55	45	55	80	57	59
	CV (%)	1.8	3.5	3.3	5.5	3.3	2.4	3.5
	F (Prob)	0.0	0.0	0.0	0.0	0.6	0.0	0.0
	CD (5%)	1.8	3.2	2.5	5.0	4.3	2.3	1.3
	CD (1%)	2.4	4.3	3.3	6.6	5.8	3.1	1.8

Table No. 2: (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	67	62	50	62	83	61	64
2	AH8181	64	61	49	60	83	62	63
3	DH 318	63	55	49	56	84	59	61
4	DH 319	62	58	48	58	84	58	61
5	FH 3861	65	60	48	62	84	60	63
6	FH 3864	62	56	48	57	81	59	60
7	FH 3875	62	56	48	60	84	58	62
8	FH 3879	63	57	49	56	84	60	62
9	GEMH 16208	57	55	47	59	81	53	59
10	HKH 365	66	64	53	65	82	63	65
11	KDMH-117	65	58	50	65	85	66	65
12	KMH 17-38	62	55	48	57	81	58	60
13	KMH 17-89	63	57	48	50	85	58	60
14	LMH 3817	55	53	45	56	81	53	57
15	LMH 3917	59	53	43	56	83	56	58
16	LMH 4017	59	56	48	62	83	52	60
17	MCRS-MH3	61	55	48	55	82	59	60
18	X 104	68	60	49	55	83	63	63
19	BIO 605 (C)	65	60	49	59	81	59	62
20	DKC7074 (C)	68	60	49	63	82	63	64
21	PMH5 (C)	62	56	46	57	82	60	60
22	VIVEK HYB-45 (C)	61	56	49	57	82	58	60
23	VIVEK HYB-51 (C)	60	58	48	56	81	56	60
	Location Mean	63	57	48	58	83	59	61
	CV (%)	1.6	3.6	2.7	5.3	2.9	3.1	3.4
	F (Prob)	0.0	0.0	0.0	0.0	0.6	0.0	0.0
	CD (5%)	1.7	3.4	2.2	5.1	4.0	3.0	1.4
	CD (1%)	2.3	4.6	2.9	6.7	5.3	4.1	1.8

Table No. 2: (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	100	127	101	102	130	105	111
2	AH8181	100	124	101	101	129	107	110
3	DH 318	94	119	95	96	130	102	106
4	DH 319	98	122	98	97	129	98	107
5	FH 3861	98	124	96	101	129	101	108
6	FH 3864	100	119	96	97	124	105	107
7	FH 3875	98	120	100	99	131	104	109
8	FH 3879	99	121	101	97	132	103	109
9	GEMH 16208	93	118	96	99	122	94	104
10	HKH 365	99	129	96	104	121	106	109
11	KDMH-117	99	121	96	104	130	107	109
12	KMH 17-38	96	120	97	97	128	101	106
13	KMH 17-89	95	121	96	92	134	99	106
14	LMH 3817	93	116	96	95	127	95	104
15	LMH 3917	95	117	95	95	125	100	105
16	LMH 4017	95	121	94	102	127	97	106
17	MCRS-MH3	93	120	96	95	127	101	105
18	X 104	102	124	102	96	127	107	110
19	BIO 605 (C)	99	125	100	99	125	102	108
20	DKC7074 (C)	101	124	100	103	122	105	109
21	PMH5 (C)	96	120	98	95	126	103	107
22	VIVEK HYB-45 (C)	96	119	100	97	130	101	107
23	VIVEK HYB-51 (C)	94	122	99	96	121	96	105
	Location Mean	97	121	98	98	127	102	107
	CV (%)	1.6	2.3	3.4	2.7	4.0	3.0	3.0
	F (Prob)	0.0	0.0	0.1	0.0	0.2	0.0	0.0
	CD (5%)	2.5	4.5	5.5	4.4	8.4	5.1	2.1
	CD (1%)	3.3	6.0	7.3	5.9	11.3	6.8	2.8

Table No. 2: (Contd.) **Ears (Number)**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	26	25	30	27	38	22	28
2	AH8181	24	29	20	26	37	24	28
3	DH 318	21	35	24	27	39	23	28
4	DH 319	22	25	25	25	39	23	27
5	FH 3861	26	29	26	27	37	24	29
6	FH 3864	21	18	16	25	38	20	26
7	FH 3875	23	17	24	29	39	25	29
8	FH 3879	21	38	23	28	38	23	28
9	GEMH 16208	20	22	23	25	38	21	26
10	HKH 365	20	20	7	25	38	22	26
11	KDMH-117	21	23	34	28	39	21	27
12	KMH 17-38	24	28	22	27	38	28	29
13	KMH 17-89	24	26	23	27	38	22	28
14	LMH 3817	25	33	30	24	38	23	28
15	LMH 3917	24	23	27	26	37	23	28
16	LMH 4017	24	11	27	25	38	27	28
17	MCRS-MH3	23	16	20	27	38	23	28
18	X 104	25	17	24	25	38	18	27
19	BIO 605 (C)	24	27	22	28	37	24	28
20	DKC7074 (C)	26	24	23	27	37	25	29
21	PMH5 (C)	23	23	32	26	39	23	28
22	VIVEK HYB-45 (C)	23	22	21	25	37	25	28
23	VIVEK HYB-51 (C)	24	31	30	27	40	22	28
	Location Mean	23	24	24	26	38	23	28
	CV (%)	8.3	33.4	33.1	6.1	4.1	7.7	6.2
	F (Prob)	0.0	0.0	0.1	0.1	0.7	0.0	0.0
	CD (5%)	3.2	13.4	13.1	2.6	2.6	2.9	1.4
	CD (1%)	4.2	17.9	17.5	3.5	3.4	3.9	1.8

Table No. 2: (Contd.) **Initial plant stand**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	25	27	33	29	39	23	29
2	AH8181	24	34	24	29	40	24	30
3	DH 318	20	36	28	29	40	23	30
4	DH 319	21	38	28	28	40	23	30
5	FH 3861	25	29	29	30	40	24	29
6	FH 3864	21	24	19	28	39	23	27
7	FH 3875	23	18	29	30	39	24	27
8	FH 3879	21	39	26	30	39	24	31
9	GEMH 16208	20	25	28	27	39	23	27
10	HKH 365	17	22	12	28	39	21	25
11	KDMH-117	21	24	36	30	39	23	28
12	KMH 17-38	23	32	27	30	39	24	29
13	KMH 17-89	24	34	27	29	40	24	30
14	LMH 3817	24	36	34	28	38	24	30
15	LMH 3917	24	26	32	29	39	24	28
16	LMH 4017	23	20	34	28	40	24	27
17	MCRS-MH3	23	24	27	29	38	24	28
18	X 104	25	23	28	28	39	21	27
19	BIO 605 (C)	25	29	26	29	40	24	29
20	DKC7074 (C)	25	28	26	30	39	24	29
21	PMH5 (C)	22	39	37	29	38	24	30
22	VIVEK HYB-45 (C)	23	22	25	28	40	24	27
23	VIVEK HYB-51 (C)	25	34	35	30	40	23	30
	Location Mean	23	29	28	29	39	23	29
	CV (%)	7.7	26.6	31.8	3.3	2.5	2.7	12.5
	F (Prob)	0.0	0.0	0.3	0.0	0.2	0.0	0.0
	CD (5%)	2.9	12.6	14.8	1.6	1.6	1.1	2.6
	CD (1%)	3.9	16.9	19.7	2.1	2.1	1.4	3.4

Table No. 2: (Contd.) **Final plant stand**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	83	54	129	71	64	60	67
2	AH8181	79	64	90	71	67	63	69
3	DH 318	66	72	108	71	64	63	67
4	DH 319	69	57	107	69	67	61	64
5	FH 3861	82	61	114	74	66	65	70
6	FH 3864	71	41	69	69	63	56	60
7	FH 3875	76	36	108	77	64	64	63
8	FH 3879	69	81	96	76	63	66	71
9	GEMH 16208	66	46	101	68	66	60	61
10	HKH 365	54	44	32	69	65	57	58
11	KDMH-117	70	49	144	76	65	62	64
12	KMH 17-38	77	58	101	73	63	66	67
13	KMH 17-89	79	57	101	71	65	65	67
14	LMH 3817	81	70	128	69	61	66	69
15	LMH 3917	79	43	119	71	64	62	64
16	LMH 4017	76	36	131	69	65	64	62
17	MCRS-MH3	77	36	104	72	61	61	61
18	X 104	83	39	106	68	63	54	61
19	BIO 605 (C)	79	59	93	74	65	65	68
20	DKC7074 (C)	82	47	97	75	64	66	67
21	PMH5 (C)	71	63	143	72	62	67	67
22	VIVEK HYB-45 (C)	76	45	93	70	66	67	65
23	VIVEK HYB-51 (C)	81	68	132	74	67	60	70
	Location Mean	75	53	106	72	64	63	65
	CV (%)	7.8	28.0	33.7	4.1	3.8	5.2	11.5
	F (Prob)	0.0	0.0	0.2	0.0	0.2	0.0	0.0
	CD (5%)	9.6	24.6	59.0	4.8	4.0	5.4	5.4
	CD (1%)	12.8	32.8	78.8	6.4	5.4	7.2	7.1

Table No. 2: (Contd.) **Plant height**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	212	211	183	232	235	262	222
2	AH8181	230	219	189	235	238	268	230
3	DH 318	189	212	166	236	230	255	215
4	DH 319	183	199	149	220	233	253	206
5	FH 3861	199	216	170	209	240	242	213
6	FH 3864	147	169	124	213	180	193	171
7	FH 3875	198	187	155	221	218	252	205
8	FH 3879	202	213	166	225	213	257	213
9	GEMH 16208	193	182	145	216	173	217	188
10	HKH 365	210	225	165	224	217	247	215
11	KDMH-117	182	195	148	210	197	257	198
12	KMH 17-38	215	219	172	236	230	273	224
13	KMH 17-89	213	198	166	226	215	253	212
14	LMH 3817	188	203	155	212	183	238	197
15	LMH 3917	180	216	146	230	223	222	203
16	LMH 4017	181	163	136	229	210	227	191
17	MCRS-MH3	202	180	158	219	210	233	200
18	X 104	222	240	191	239	230	282	234
19	BIO 605 (C)	219	223	170	229	232	263	223
20	DKC7074 (C)	211	213	155	227	223	267	216
21	PMH5 (C)	197	200	167	226	233	262	214
22	VIVEK HYB-45 (C)	187	181	141	224	207	225	194
23	VIVEK HYB-51 (C)	187	205	149	227	220	223	202
	Location Mean	198	203	159	224	217	247	208
	CV (%)	5.3	7.4	3.6	5.4	10.3	3.9	6.5
	F (Prob)	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	17.1	24.6	9.5	20.1	36.7	16.0	8.9
	CD (1%)	22.9	32.8	12.7	26.9	49.0	21.3	11.7

Table No. 2: (Contd.) **Ear Height**

S. No.	Entry	NHZ						Z_NHZ
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	Srinagar_JK	VPKAS_UK	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8106	117	87	86	114	140	132	113
2	AH8181	118	82	86	119	120	130	109
3	DH 318	98	83	77	118	123	142	107
4	DH 319	107	86	69	111	147	130	108
5	FH 3861	92	83	71	104	142	112	100
6	FH 3864	77	58	52	105	110	95	83
7	FH 3875	92	61	60	109	120	117	93
8	FH 3879	102	74	70	110	107	127	98
9	GEMH 16208	89	60	54	107	100	102	85
10	HKH 365	116	84	65	113	135	127	106
11	KDMH-117	93	75	57	106	113	137	97
12	KMH 17-38	115	81	73	117	130	142	110
13	KMH 17-89	107	88	77	112	110	138	105
14	LMH 3817	82	67	64	106	80	113	85
15	LMH 3917	90	80	65	114	128	108	98
16	LMH 4017	89	54	51	114	100	105	86
17	MCRS-MH3	92	54	63	107	108	107	89
18	X 104	116	103	80	119	137	152	118
19	BIO 605 (C)	125	93	73	115	142	138	114
20	DKC7074 (C)	123	85	68	114	127	147	111
21	PMH5 (C)	93	83	77	112	127	138	105
22	VIVEK HYB-45 (C)	100	69	58	112	120	112	95
23	VIVEK HYB-51 (C)	101	81	66	114	132	120	102
	Location Mean	102	77	68	112	122	125	101
	CV (%)	9.4	13.5	7.6	5.7	15.7	6.9	10.7
	F (Prob)	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	15.7	17.1	8.5	10.4	31.4	14.2	7.1
	CD (1%)	21.0	22.8	11.3	13.9	41.9	19.0	9.4

Table No. 3: Trial No. 541 (NIVT- Medium Maturity) Yield (kg/ha)

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_BH		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 4158	6533.49	40	7570.48	14	5250.85	22	5723.14	54	3666.61	52	5529.74	42	7106.87	13	4740.88	65	5014.25	57	5936.57	63	6088.57	30
2	AH 4271	6980.24	36	7435.62	15	4544.15	44	5892.68	48	4080.22	44	5639.69	41	6359.53	32	5413.29	51	4909.05	60	6305.42	49	5612.66	54
3	AH8070	9771.86	3	5577.02	54	5262.79	20	7797.08	4	3659.61	53	6313.18	19	6065.21	42	6054.07	28	5577.87	44	7474.14	10	6172.89	26
4	AH8071	8516.14	9	7210.68	19	4428.39	48	4303.47	77	1648.32	76	5202.02	56	6351.25	33	5912.65	36	7891.14	7	6004.1	59	6052.8	33
5	BH416032	8076.37	15	9033.71	3	6247.08	4	5735.67	52	5049.56	23	6795.58	7	5694.12	51	5909.07	37	6824.22	16	6587.98	41	5618.16	53
6	BH416067	4168.25	73	5346.12	59	5187.83	23	6929.73	13	3716.15	51	4948.02	60	4988.3	64	5215.62	57	5671.63	42	6384.9	47	5096.23	64
7	BH416215	8832.37	7	7883.95	11	6345.1	2	6222.52	31	6009.23	7	6842.17	6	6756.7	23	5961.24	34	8423.52	3	6303.13	50	6472.51	18
8	BLH136	5570.49	57	7890.09	10	6315.69	3	6083.36	37	4341.57	39	5882.59	32	7006.06	15	6257.97	19	5723.01	39	6992.18	28	6609.06	12
9	CAH1511	8791.53	8	6149.86	41	5755.75	13	5078.28	66	6865.09	3	6588.79	13	7879.22	2	5992.47	32	6671.06	18	7131.6	23	6921.16	7
10	CMH2425	5548.81	60	5659.74	51	4680.98	41	5499.24	59	5779.61	14	5385.18	47	5983.56	43	6235.48	21	5136.18	54	5646.93	73	6174.56	25
11	CMH2525	7704.53	21	7927.54	8	5262.75	21	6571.41	23	6043.49	6	6720.53	11	6975.82	18	4870.46	63	6915.62	14	7306.53	16	5822.47	44
12	DH-316	5754.8	55	6539.77	32	4918.77	33	5480.88	60	3436.2	56	5338.45	51	5765.94	48	4653.42	66	4814.01	63	6110.48	57	5292.03	60
13	DH-317	1646.4	77	6045.81	44	4083.42	59	5451.79	63	2848.75	64	4103.31	70	4199.49	72	6040.87	29	5145.58	53	5880.15	68	4992.21	66
14	H1013	4598.27	68	4464.72	68	3877.1	66	4744.23	70	3264.97	58	4149.64	69	3665.31	75	5108.61	60	4843.9	61	6472.82	43	4536.36	71
15	HKH-368	5797.42	54	5320.71	60	2998.18	76	5470.83	62	4071.78	45	4572.18	65	5680.12	52	5607.58	46	6790.94	17	7160.42	22	5628.8	52
16	HKH-369	4475.34	70	5993.68	46	3822.61	68	6437.93	26	1936.1	74	4409.48	68	4740.25	68	5890.51	39	5244.53	51	8090.51	3	5194.09	61
17	HT18607	6982.89	35	6712.88	29	4989.67	31	7060.22	10	6441.52	4	6455.16	18	7333.63	10	6466.17	13	6217.93	28	6608.06	39	6764.13	10
18	IH-0965	1990.92	76	2590.23	76	3950.03	62	4409.4	76	1965	73	3045.4	77	2820.78	77	3657.97	76	3255.06	77	7268.83	17	3352.13	77
19	IH-1604	6228.53	48	6482.54	34	3922.26	63	5785.78	51	4003.79	48	5272.18	54	5526.9	57	4118.97	72	4697.06	65	4775.84	78	5001.78	65
20	IMHL-K-1	7574.41	24	5155.88	63	3637.85	71	6231.11	30	4712.34	31	5369.61	49	5229.65	61	6646.56	6	6327.72	25	7806.28	6	5766.43	46
21	IMHL-K-2	6187.62	49	7281.83	18	4703.63	39	7457.04	8	4374.5	38	5966.43	29	5919.23	46	5427.77	49	5517.64	46	6971.37	29	5733.62	48
22	IMHL-K-3	4352.86	71	6501.19	33	5126.2	25	5480.81	61	3188.83	59	4965.23	59	5607.21	54	6288	18	5957.05	33	5673.77	71	5951.04	40
23	IMHSB-18K-03	5565.91	58	5233.69	61	4100.36	57	5532.47	58	2915.73	62	4717.23	63	4313.69	71	5166.54	58	6429.9	21	5998.42	60	4669.63	70
24	IMHSB-18K-04	6366.17	47	5735.61	49	3506.95	74	5851.79	49	4515	33	5286.02	53	6296.84	35	6296.88	17	5689.27	41	5967.85	61	6063.88	31
25	IMHSB-18K-07	8216.55	12	6000.05	45	4359.51	52	8177.09	1	2701.01	67	5970.29	28	5524	58	4564.89	68	6192.22	29	7010.46	26	4908.1	67
26	IMHSB-18K-10	5592.7	56	3553.17	72	3503.05	75	4466.55	74	2854.75	63	4039.78	71	4160.93	73	4172.65	71	3937.61	71	6127.11	56	4065.44	76
27	IMHSB-18K-11	7725.6	19	6823.49	24	5082.23	28	5343.22	64	4190.89	42	5918.73	31	5679.36	53	6581.78	9	5726.65	38	7119.06	24	6162.72	29
28	IMHSB-18K-12	5538.68	61	6369.11	39	4867.66	36	6026.41	42	4051.89	46	5221.6	55	5112.69	62	5843.99	40	4513.64	67	5281.33	76	5711.16	49

Table No. 3: Trial No. 541 (NIVT- Medium Maturity) Yield (kg/ha)

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_BH		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
29	IMHSB-18K-13	5288.68	64	7146.1	20	5328.16	18	7529.56	7	2494.48	71	5479.07	43	6796.08	22	3764.04	74	6012.03	32	7944.37	4	5386.24	59
30	IMHSB-18K-14	7169.72	31	5981.5	47	4208.6	55	6074.4	38	4032.31	47	5458.46	45	6256.96	36	5380.94	52	6400.21	22	7402.01	11	5969.4	39
31	IMHSB-18K-15	6437.35	42	5612.84	53	4542.35	45	7049.93	11	5400.69	18	5801.71	37	6449.2	30	5904.61	38	4814.69	62	5917.97	64	6346.34	20
32	IMHSB-18K-16	4574.46	69	3777.14	71	3828.34	67	5723.2	53	1619.99	77	4039.58	72	4790.67	65	3341.68	77	4181.49	70	5276.36	77	4143.74	74
33	IMHSB-18K-18	4873.89	67	5475.73	56	3976.1	61	5713.87	55	3152.78	60	4485.07	67	6451.09	29	6684.27	3	3702.18	74	6706.98	36	6494.25	15
34	IMHSB-18K-2	6112.91	50	6414.43	37	4397.81	50	6067.79	40	5820.39	12	5955.03	30	6091.87	40	5717.26	45	3873.07	72	7661.08	8	5932.23	42
35	IMHSB-18K-5	5372.95	63	5664	50	4769.33	37	7023.99	12	5804.59	13	5830.47	34	5566.67	55	5994.14	31	5917.52	34	7360.97	12	5571.32	56
36	IMHSB-18K-6	5815.35	53	6791	26	5009.26	30	6448.81	25	2604.41	68	5354.7	50	6242.54	37	4813.14	64	5190.17	52	6149.9	55	5547.09	58
37	IMHSB-18K-8	8178.04	13	6911.09	22	6119.1	6	6789.37	18	4980.45	24	6504.49	15	6745.72	24	6255.35	20	8172.79	4	7329.3	13	6480.97	16
38	IMHSB-18K-9	9444.1	5	8037.05	7	4909.99	34	4593.14	72	3643.53	55	6151.48	24	5534.6	56	4607.52	67	4942.84	59	6256.83	52	5113.74	62
39	IMHVS-001	6855.97	37	6375.37	38	5449.06	15	5949.27	46	4926.51	25	5826.08	35	7148.75	11	5422.83	50	7235.67	13	6743.35	35	6223.07	23
40	IMHVS-002	7148.15	33	5576.19	55	4408.03	49	6500.43	24	3906.1	49	5444.98	46	6947.96	19	4516	69	6588.01	19	5954.5	62	6004.49	37
41	INDAM 1118	8024.65	16	8403.9	4	4252.55	54	6364.41	27	3643.92	54	6121.22	25	4542.73	70	6413.31	15	7461.67	12	7810.06	5	5673.98	51
42	IS8249(DKC8191)	9259.83	6	7913.86	9	5880.01	11	7301.21	9	5996.97	8	7283.03	3	7667.24	4	6182.23	25	5613.54	43	6072.36	58	6938.4	6
43	IS8425(DKC9194)	8156.74	14	6784.94	27	5837.87	12	6888.66	16	6974.13	2	7058.85	4	9093.31	1	6681.89	4	5275.94	50	6635.9	38	7789.01	1
44	IS8640(DKC9198)	9528.83	4	7844.19	13	5966.25	10	8101.61	2	4443.35	36	7286.55	2	6239.61	38	6630.13	7	10023.69	1	6499.81	42	6513.07	14
45	IS8723(DKC9190)	9830.9	2	5392.9	57	5456.26	14	6899.48	15	5218.17	22	6748.99	9	7112	12	7056.79	1	7601.89	11	5892.93	67	7052.68	4
46	JKMH1518	7152.01	32	5102.52	65	4324.5	53	5949.42	45	4904.05	26	5646.17	40	7363.41	9	6561.3	10	5849.77	36	7327.45	14	6886.16	8
47	KMH 17-105	3874.15	74	3297.71	73	3914.62	65	4455.89	75	3322.24	57	3885.7	73	5110.22	63	3328.97	78	4288.53	69	6820.38	32	4234.89	73
48	KMH 17-6	5473.55	62	5357.46	58	3916.64	64	6242.74	29	2553.6	70	4657.78	64	5361.31	60	4101.82	73	6299.8	26	5497.85	74	4848.25	69
49	KMH-004	8509.92	10	7371.15	16	5098.3	27	7736.99	5	5285.13	21	6748.86	10	5836.11	47	6097.71	27	8737.02	2	5908.53	65	6051.01	34
50	KNMH-4181	6093.31	51	4903.09	67	4385.23	51	6068.05	39	4491.5	35	5115.13	57	6991.04	16	5112.28	59	3843.47	73	7239.15	20	5941.75	41
51	KNMH-4182	6431.57	43	3073.45	75	2900.73	77	6098.1	33	4595.38	32	4759.94	62	4642.82	69	6186.49	24	3327.13	76	7216.46	21	5106.6	63
52	KNMH-4183	7261.42	29	6797.61	25	5353.1	16	6805.82	17	4295.3	41	6043.77	26	4790.01	66	6188.85	23	5109.92	55	8552.67	1	5588.09	55
53	KNMH-4184	6418.9	45	5914.74	48	4142.09	56	6602.47	22	4506.74	34	5378.79	48	6454.58	28	6714.15	2	6541.15	20	6438.01	46	6371.34	19
54	LMH 1217	7658.3	22	6442.57	35	5298.96	19	5843.26	50	6254.91	5	6291.67	20	5749.2	49	6199.8	22	6069.6	31	7326.1	15	5797.43	45
55	LMH 1417	7599.36	23	3818.63	70	5012.84	29	5910.98	47	4866.46	27	5473.82	44	6528.17	27	6034.34	30	4773.01	64	5749.09	70	6031.27	36
56	LMH 3117	5123.32	65	5142.75	64	4437.33	47	4890.15	68	3121.78	61	4561.96	66	5947.63	44	3744.11	75	5709.4	40	7267.31	18	4895.48	68

Table No. 3: Trial No. 541 (NIVT- Medium Maturity) Yield (kg/ha)

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabour_BH		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
57	LMH 3417	6383.9	46	6667.26	30	6083.74	8	4509.27	73	5309.97	20	5763.64	38	6622.46	26	6449.94	14	4495.41	68	8250.74	2	6756.63	11
58	MM9309	10558.68	1	6092.22	43	6246.98	5	6194.53	32	7681.84	1	7358.52	1	6976.75	17	5814.67	43	7722.85	9	6898.85	31	6556.19	13
59	MMH-1708	7055.35	34	5195.67	62	4015.7	60	5605.94	57	2560.38	69	4995.92	58	6222.16	39	5724.94	44	4947.21	58	5858.64	69	6000.73	38
60	MMH18-11	4309.11	72	3215.36	74	3712.09	69	4725.37	71	2140.56	72	3728.51	74	3492.88	76	4904.46	62	5352.52	48	5336.52	75	4097.28	75
61	MMH18-12	2885.98	75	5022.14	66	3670.93	70	4786.72	69	1888.56	75	3613.32	76	3802.07	74	5275.22	56	4563.59	66	6745.9	34	4534.25	72
62	NAVNEET	5010.67	66	1236.29	78	3634.82	72	5049.41	67	2824.31	65	3635.53	75	4741.44	67	6600	8	5513.25	47	7540.23	9	5558.67	57
63	OMH 17-47	8448.92	11	7290.76	17	6011.49	9	6097.62	34	5593.24	16	6652.87	12	7460.87	7	6480.27	12	5845.43	37	5897.49	66	7123.46	2
64	PM18107M	7524.4	27	9120.18	2	4904.01	35	6665.01	21	4417.9	37	6484.65	16	6413.49	31	5818.36	42	7622.99	10	6949.15	30	6039.54	35
65	PM18108M	7541.12	26	6876.43	23	4709.13	38	7959.94	3	5968.89	9	6540.26	14	6722.15	25	5348.74	53	6368.64	24	6794.65	33	6170.14	27
66	RCRMH7(ZH138388)	8003.65	17	5649.89	52	5182.63	24	6711.68	20	5664.22	15	6176.97	23	7593.23	6	6338.82	16	7878.49	8	7241.29	19	7074.47	3
67	RCRMH9(CAH1713)	6024.34	52	6433.24	36	5339.55	17	5658.31	56	2744.01	66	5286.52	52	5489.47	59	5520.97	47	5345.73	49	6368.62	48	5750.17	47
68	SYN816604	7906.72	18	10146.32	1	4686.44	40	6768.98	19	4749.89	30	6910.01	5	7701.21	3	6127.49	26	6850.6	15	6216.85	53	6828.64	9
69	TMMH886	467.73	78	2084.93	77	2202.77	78	3630.25	78	584.14	78	1734.96	78	.	.	4377.23	70	3464.24	75	6589.32	40	.	.
70	TS2506	6425.25	44	6097.21	42	4602.73	43	6095.32	35	4328.8	40	5681.57	39	6076.68	41	5287.47	54	5536.64	45	6443.04	45	5852.21	43
71	TUFAN	7708.36	20	6966.46	21	4661.74	42	6054.54	41	5898.87	11	6275.98	21	7412.6	8	6663.94	5	5911.34	35	7118.58	25	6987.11	5
72	VH11130	6439.92	41	8136.61	6	4949.67	32	5990.62	43	3772.7	50	6009.9	27	6910.83	20	5279.4	55	6191.17	30	7666.61	7	6055.27	32
73	VaMH 15015	5555.1	59	6636.43	31	5104.56	26	6093.13	36	5376.2	19	5835.97	33	7024.42	14	5010.12	61	5075.48	56	6642.37	37	6166.04	28
74	ZH161032	6724.63	39	7859.39	12	6112.32	7	6326.35	28	5540.99	17	6458.26	17	7644.62	5	5480.99	48	8154.02	5	6278.81	51	6477.06	17
75	DHM -117 (FILLER)	7221.02	30	3908.41	69	3550.35	73	5232.6	65	4795.85	29	4908.11	61	5941.19	45	5945.6	35	2722.74	78	5651.15	72	5674.69	50
76	BIO 9544 (C)	7551.91	25	6778.58	28	4496.79	46	5969.45	44	5920.56	10	6250.75	22	6343.23	34	5838.37	41	7980.26	6	7002.4	27	6324.7	21
77	CMH-08-292 (C)	6849.5	38	8230.67	5	6833.05	1	6908.39	14	4865.84	28	6765.45	8	5699.41	50	6503.29	11	6293.06	27	6163.97	54	6179.75	24
78	DHM-121 (C)	7464.43	28	6278.49	40	4096.5	58	7550.36	6	4120.93	43	5812.48	36	6821.9	21	5966.92	33	6385.94	23	6451.58	44	6260.21	22
	Location Mean	6574.59	.	6124.82	.	4726.44	.	6069.88	.	4255.65	.	5550.28	.	6059.97	.	5608.84	.	5818.41	.	6634.11	.	5832.95	.
	CV (%)	18.53	.	24.7	.	15.61	.	17.68	.	25.12	.	20.74	.	18.44	.	11.1	.	32.34	.	20.23	.	15.53	.
	F (Prob)	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0.06	.	0.86	.	0	.
	CD (5%)	1969.76	.	2445.77	.	1193.15	.	1735.22	.	1728.63	.	866.77	.	1806.86	.	1006.73	.	3042.78	.	2170.01	.	1110.5	.
	CD (1%)	2604.23	.	3233.58	.	1577.48	.	2294.15	.	2285.43	.	1140.48	.	2389.11	.	1331.01	.	4022.89	.	2868.99	.	1463.83	.

Table No. 3: (Contd.) Yield (Kg/ha)

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 4158	6030.01	73	8713.96	12	7047.28	50	10137.14	12	8737.89	18	8355.77	16	8546.19	45	6419.08	45	6006.14	48
2	AH 4271	6401.67	68	8300.61	21	8329.17	25	11397.8	2	9327.16	4	8830.94	5	10116.09	18	7266.31	31	6193.32	41
3	AH8070	6509.58	66	7950.06	32	8003.97	32	9616.46	22	8433.15	30	8675.36	10	9324.49	29	7552.34	20	6747.98	17
4	AH8071	10014.61	11	7399.55	57	8752.12	18	9512.9	23	8447.49	29	8339.7	19	8865.75	37	5218.08	66	5133.15	61
5	BH416032	5931.42	76	8598.58	14	8204.07	27	8366.55	57	8355.22	34	7372.6	58	10074.43	19	7014.42	37	6127.14	44
6	BH416067	10650.47	5	7961.6	31	7440.82	39	8572.96	53	7980.83	45	8229.12	21	8763.33	41	6180.81	47	5391.3	56
7	BH416215	9061.45	24	8167.23	24	8397.96	22	11116.08	4	9154.88	7	7820.23	40	9303.61	30	8920.28	7	7872.27	1
8	BLH136	9262.83	22	9321.13	4	8199.7	29	9958.14	17	8789.77	15	7451.98	54	8690.46	42	7849.14	17	7812.99	3
9	CAH1511	6243.23	69	7341.07	60	8159.84	30	9982.08	14	8421.81	31	8280.13	20	11279.96	5	9862.31	5	7060.17	10
10	CMH2425	7785.24	46	9311.94	5	7315.09	44	9403.76	28	8601.58	21	7236.96	63	10014.46	23	7362.78	28	6288.34	35
11	CMH2525	6590.96	64	7872.55	37	8574.97	20	8238.55	58	8198.01	40	7929.67	32	10724.94	10	8163.05	12	5934.61	50
12	DH-316	7194.72	54	7764.98	40	6388.85	60	8532.87	55	7680.99	56	7883.99	36	7868.38	59	6003.21	50	6380.79	31
13	DH-317	8991.23	26	6487.94	75	5897.87	66	6579.55	76	6457.54	76	5772.36	75	4906.53	75	5537.58	61	5306.6	58
14	H1013	7419.29	50	7485	53	4063.91	75	8056.58	61	6335.47	77	5298.17	76	6463.5	67	5557.93	60	5394.58	55
15	HKH-368	10963.46	3	9415.82	3	6847.52	53	9192.13	36	8541.2	25	8168.02	22	6380.96	69	5901.5	55	4867.45	65
16	HKH-369	8070.44	42	8918.86	8	6585.94	58	8103.94	60	7881.39	51	7066.89	65	4810.83	76	6499.93	44	4605.68	70
17	HT18607	11157.58	1	7740.33	41	8952.69	12	9924.48	19	8747.96	17	7366.71	60	10052.63	20	9448.45	6	6985.35	13
18	IH-0965	7345.55	52	7245.1	62	3762.31	77	9466.87	25	6916.7	70	6290.66	73	3312.17	78	4740.51	70	4519.34	72
19	IH-1604	7858.26	45	8092.92	30	5561.58	68	6871.34	75	6850.19	72	7702.31	44	7226.65	64	4982.18	67	6479.78	29
20	IMHL-K-1	8981.65	27	7447.76	54	7363.79	43	8564.73	54	7854.53	53	7767.41	42	7743.48	61	5910.01	53	5299.17	59
21	IMHL-K-2	10311.99	9	9070.82	6	8332.36	24	9089.77	38	8769.16	16	8350.48	17	8842.39	38	6732.25	42	6090.62	46
22	IMHL-K-3	8048.24	43	8157.83	26	8778.17	17	9055.82	39	8470.58	26	8152.18	23	9500.96	27	5767.98	57	4985.68	63
23	IMHSB-18K-03	8153.13	38	7406.82	56	7218.83	46	9224.91	33	7878.75	52	7975.49	31	6947.76	65	3585.07	78	4709.52	67
24	IMHSB-18K-04	3926.34	78	8358.82	17	6659.95	55	9946.61	18	8118.23	43	7474.33	52	9164.5	32	6089.88	49	6115.45	45
25	IMHSB-18K-07	7676.92	47	7673.95	43	7421.68	40	9235.64	32	8213.8	37	7858.51	37	7864.18	60	5411.78	64	4976.61	64
26	IMHSB-18K-10	6911.54	61	8118.07	28	4437.22	73	10758.17	6	7490.38	60	6837.05	67	6461.16	68	4369.48	71	5633.15	54
27	IMHSB-18K-11	8523.38	34	7154.22	64	6610.07	57	7024.32	73	7136.18	68	6634.24	70	8126.38	54	5531.95	62	5929.07	51
28	IMHSB-18K-12	8304.21	36	7557.52	50	5461.18	69	7847.81	64	6890.98	71	7626.08	49	10158.58	14	7046.63	35	6255.72	36

Table No. 3: (Contd.) Yield (Kg/ha)

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
29	IMHSB-18K-13	9129.23	23	7894.65	36	6760.1	54	7760.88	66	7367.51	63	8802.16	6	8185.31	51	4766.6	69	5228.55	60
30	IMHSB-18K-14	7365.9	51	8300.93	20	8367.88	23	9055.13	40	8458.97	28	7645.44	47	10437.25	12	7448.1	25	6210.12	39
31	IMHSB-18K-15	6031.13	72	8249.09	23	6379.04	61	9273.24	31	7925.82	47	7847.25	39	10127.13	16	5940.62	52	6243.44	38
32	IMHSB-18K-16	9266.5	21	6617.79	74	7076.06	49	7534.54	67	7142.61	67	8015.8	28	5923.01	71	3910.27	76	4374.91	73
33	IMHSB-18K-18	10465.02	6	7235.92	63	5686.21	67	11917.89	1	7996.52	44	7451.04	55	7426.63	62	7213.08	33	7854.37	2
34	IMHSB-18K-2	6179.99	70	7312.34	61	5421.85	70	7267.55	72	6752.55	74	8347.26	18	8244.66	49	7901.66	15	6389.33	30
35	IMHSB-18K-5	6005.59	75	6942.58	69	8787.13	16	6927.94	74	7557.45	59	7369.26	59	8933.2	35	7010.84	38	6853.51	16
36	IMHSB-18K-6	9509.7	18	7843.45	39	8235.35	26	5600.58	77	7397.28	62	8045.76	25	8574.18	44	5722.22	58	4648.4	68
37	IMHSB-18K-8	6788.73	63	7913.81	33	7755.35	34	9969.94	16	8339.27	36	7733.12	43	10866.94	9	7249.48	32	6573.53	22
38	IMHSB-18K-9	8243.84	37	7491.12	52	6612.43	56	9972.55	15	8164.67	41	7806.95	41	8900.22	36	5984.26	51	5056.85	62
39	IMHVS-001	11070.8	2	7018.53	68	8203.47	28	7367.84	69	7802.55	55	8392.99	14	9025.7	34	6403.61	46	6318.09	33
40	IMHVS-002	10382.82	8	6932.26	70	8452.34	21	8130.05	59	7891.81	50	7884.21	35	8158.78	52	5512.34	63	4567.3	71
41	INDAM 1118	9830.6	15	7093.06	65	9945.49	5	10728.65	7	9105.55	8	8788.52	7	8782.69	40	5721.69	59	5704.11	53
42	IS8249(DKC8191)	7095.4	56	7025.81	67	9194.52	9	8874.04	47	8543.17	24	10145	1	8506.7	46	8050.86	14	7053.52	11
43	IS8425(DKC9194)	6015.21	74	8131.56	27	11155.62	2	9431.17	26	9544.09	2	8090.45	24	9935.33	24	7348.87	29	7601.24	4
44	IS8640(DKC9198)	7092.41	57	8464.62	16	7725.31	35	7302.37	71	7841.75	54	8939.54	4	11717.71	4	10355.13	2	6623.44	19
45	IS8723(DKC9190)	7524.89	49	5911.03	77	11460.6	1	8638.07	52	8948.84	13	8007.14	29	11897.44	3	10112.26	3	6898.52	14
46	JKMH1518	7964.78	44	7354.22	58	7683.14	36	8729.43	50	7678.46	57	9170.95	3	8813.86	39	10714.46	1	7390.38	7
47	KMH 17-105	7171.13	55	6679.18	73	4491.32	72	9219.69	34	6736.57	75	7627.4	48	4966.48	74	5284.96	65	4639.56	69
48	KMH 17-6	7051.09	58	8312.33	19	7092.88	48	7869.06	63	7655.17	58	6633.11	71	6671.3	66	4363.31	72	4242.98	75
49	KMH-004	10444.17	7	7860.92	38	10210.99	4	8891.5	45	9002.61	11	9459.62	2	9434.92	28	6848.17	40	6133.7	43
50	KNMH-4181	5086.89	77	10843.26	1	6293.61	63	11312.83	3	9204.02	6	6700.78	68	10156.58	15	7366.89	27	6516.05	26
51	KNMH-4182	6097.83	71	7040.87	66	4019.18	76	10313.25	10	7164.77	66	7683.68	45	8193.33	50	7406.14	26	6199.02	40
52	KNMH-4183	8793.65	29	8558.7	15	7369.42	42	7409.32	68	7923.03	48	8533.79	12	9134.25	33	7524.98	22	7236.59	9
53	KNMH-4184	10039.69	10	8761.97	11	7656.53	37	8010.9	62	8213.42	38	8045.62	26	8121.95	55	7542.6	21	6310.19	34
54	LMH 1217	9443.41	19	8762.46	10	6990.36	52	9683.99	21	8399.35	33	7269.4	61	11255.53	6	7885.94	16	7022.28	12
55	LMH 1417	8086.24	41	6720.66	72	8025.45	31	8778.05	48	8134.09	42	7238.12	62	10051.68	21	7034.59	36	6060.5	47
56	LMH 3117	9987.11	12	7606.74	45	5208.5	71	7828.86	65	7079.29	69	7607.61	50	6044.46	70	4216.61	74	4068.22	76

Table No. 3: (Contd.) Yield (Kg/ha)

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
57	LMH 3417	8429.16	35	7895.79	35	7631.49	38	8898.85	44	8202.71	39	7650.92	46	9274.3	31	6963.42	39	6353.87	32
58	MM9309	9940.6	14	8107.02	29	9475.43	7	8757.72	49	8643.81	19	7993.22	30	12777.56	2	6611.62	43	6884.86	15
59	MMH-1708	8092.42	40	7352.16	59	7303.24	45	8930.08	42	7910.11	49	7897.36	33	8087.15	56	4951.54	68	4855.1	66
60	MMH18-11	9410.99	20	7572.18	49	6405.64	59	7307.14	70	7300.01	64	4315.8	78	4990.4	73	3838.65	77	3040.58	78
61	MMH18-12	8688.33	31	6019.29	76	7192.19	47	9376.48	29	7480.44	61	4966.65	77	5880.83	72	4040.5	75	4266.04	74
62	NAVNEET	8530.85	33	7408.14	55	6034.72	64	9368.05	30	7943.55	46	7037.19	66	8010.44	57	6805.22	41	6248.11	37
63	OMH 17-47	8621.15	32	8909.66	9	9427.19	8	11006.66	5	9565.95	1	7475.33	51	12894.43	1	10100.84	4	7473.28	6
64	PM18107M	6953.06	59	7653.6	44	9074.21	10	10472.51	8	9057.95	9	7455.93	53	8141.84	53	8219.66	11	6576.44	21
65	PM18108M	8778.83	30	7909.18	34	7802.14	33	9871.03	20	8623.27	20	7449.21	56	8645.75	43	7506.68	23	5973.23	49
66	RCRMH7(ZH138388)	6582.71	65	10000.01	2	8791.24	15	10141.57	11	9452.09	3	7192.31	64	9673.22	25	8515.94	9	7599.14	5
67	RCRMH9(CAH1713)	6933.65	60	6754.61	71	5909.08	65	8918.44	43	7231.96	65	7447.77	57	8407.24	47	5796.84	56	5378.29	57
68	SYN816604	10857.74	4	7542.91	51	9722.45	6	9411.01	27	8970.04	12	8400.09	13	10908.7	8	8140.67	13	6539.95	23
69	TMMH886	8972.6	28	4501.04	78	3158.79	78	5561.79	78	4153.9	78	5816.24	74	3394.91	77	4300.25	73	3512.41	77
70	TS2506	9055.68	25	7588.59	46	7033.06	51	9207.62	35	8419.99	32	7889.97	34	10923.76	7	5902.35	54	5753.64	52
71	TUFAN	9699.16	17	8266.54	22	8977.77	11	10353.96	9	9056.61	10	7851.27	38	10570.2	11	7691.2	19	6528.93	24
72	VH11130	6422.41	67	7580.61	48	8707.07	19	8428.16	56	8461.6	27	8551.47	11	9605.82	26	7309.67	30	6736.87	18
73	VaMH 15015	7614.78	48	8166.5	25	8813.68	14	8712.52	51	8343.66	35	8357.83	15	8381.62	48	8403.96	10	6487.54	27
74	ZH161032	8117.04	39	8628.93	13	10274.47	3	9116.96	37	9248.97	5	8041.31	27	10360.19	13	8666.07	8	7312.86	8
75	DHM -117 (FILLER)	7278.51	53	7721.44	42	4067.2	74	8890.38	46	6830.72	73	6306.5	72	7396.65	63	7757.41	18	6138.85	42
76	BIO 9544 (C)	9778.13	16	7588.47	47	7404.76	41	8973.01	41	8544.42	23	8715.4	9	7964.65	58	6142.02	48	6485.26	28
77	CMH-08-292 (C)	9975.75	13	8344.01	18	8882.56	13	9480.21	24	8874.96	14	8724.63	8	10028.92	22	7098.28	34	6524.35	25
78	DHM-121 (C)	6839.09	62	8982.74	7	6300.21	62	10013.27	13	8563.81	22	6685.18	69	10126.06	17	7476.77	24	6577.47	20
	Location Mean	8180.2	.	7825.75	.	7428.43	.	8958.65	.	8070.94	.	7695.52	.	8672.65	.	6743.65	.	6004.71	.
	CV (%)	28.48	.	18.35	.	10.51	.	19	.	16.89	.	8.9	.	14.02	.	16.43	.	13.06	.
	F (Prob)	0.43	.	0.65	.	0	.	0.14	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	3766.69	.	2321.82	.	1262.54	.	2751.93	.	1316.8	.	1107.41	.	1966.64	.	1791.74	.	1267.83	.
	CD (1%)	4979.98	.	3069.7	.	1669.22	.	3638.35	.	1733.99	.	1464.12	.	2600.11	.	2368.87	.	1676.21	.

Table No. 3: (Contd.) Yield (kg/ha)

S. No.	Entry	PZ												All India	
		Kolha_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 4158	6256.25	1	10069.65	43	4886.89	66	7240.48	21	7305.39	56	7722.77	45	7079.18	39
2	AH 4271	4403.02	52	10514.42	34	5726.45	40	7001.97	34	8442.27	35	8340.49	18	7404.29	26
3	AH8070	4561.24	41	12209.31	4	7222.33	8	5990.46	69	7429.4	53	8429.53	15	7573.77	18
4	AH8071	5859.18	6	11844.07	6	5487.14	48	7485.25	14	9912.83	5	7958.26	39	6994.59	44
5	BH416032	5340.84	13	10892.16	25	6940.94	16	5991.32	68	6191.59	76	7702.68	46	7308.68	30
6	BH416067	4609.46	40	7248.21	70	5854.17	39	7246.41	20	7062.86	61	6985.94	63	6325.16	63
7	BH416215	5982.91	5	10514.28	35	5697.77	42	6769.37	43	7880.3	42	8220.49	27	7766.17	12
8	BLH136	4885.35	29	9947.62	47	5858.96	38	8177.2	2	8455.35	33	8214.95	28	7450.66	21
9	CAH1511	4158.87	61	12296.02	2	6945.9	15	6434.62	53	9385.69	13	9260.2	2	8054.93	6
10	CMH2425	4989.1	25	11024.22	23	5038.58	62	7507.45	13	9169.43	17	8233.42	26	7209.83	35
11	CMH2525	4712.23	35	10784.97	27	5221.21	58	7102.6	27	8588.3	30	8458.87	13	7589.98	17
12	DH-316	4670.78	38	7511.27	68	5131.58	60	7599.64	9	7848.38	44	7386.67	58	6591.24	58
13	DH-317	3311.97	77	7220.87	71	7027.2	13	3162.95	78	6605.87	69	5551.63	75	5213.48	75
14	H1013	3910.53	72	7058.54	72	4356.28	73	6952.93	36	5604.77	78	5999.79	72	5352.76	72
15	HKH-368	4147.59	63	10576.27	32	5264.29	56	8281.45	1	6945.24	66	7115.58	61	6427.81	60
16	HKH-369	5061.02	21	9125.1	60	5243.27	57	5880.96	72	7678.63	47	6493.37	67	5972.08	67
17	HT18607	5448.4	9	11047.61	22	6327.06	27	7605	8	9459.62	11	8738.83	10	7824.88	10
18	IH-0965	4035.35	69	4021.77	77	3773.17	76	6123.47	65	6393.23	72	5112.33	76	4615.92	77
19	IH-1604	3613.96	75	9699.23	50	4599.88	71	6047.29	67	7052.45	63	6938.76	65	6197.51	64
20	IMHL-K-1	5430.42	11	10492.66	38	4696.04	70	7050.84	32	8974.6	21	7477.49	55	6705.34	52
21	IMHL-K-2	5195.22	17	8794.77	64	6182.34	31	6476.04	52	7585.38	49	7540.05	51	7086.15	38
22	IMHL-K-3	4730.01	34	10261.74	41	5560.78	45	4880.04	76	8022.01	41	7429.15	57	6729.38	51
23	IMHSB-18K-03	4052.27	66	10768.85	28	5381.77	51	6394.41	57	8030.5	40	6883.62	66	6157.87	66
24	IMHSB-18K-04	4783.6	31	10640.29	30	5622.54	43	6419.05	54	7053.05	62	7568	49	6817.34	49
25	IMHSB-18K-07	4687.9	36	9987.43	45	5265.23	55	6737.31	45	6990.8	64	7116.45	60	6700.72	53
26	IMHSB-18K-10	4480.66	48	9360.45	55	4912.26	64	6308.17	60	7110.57	59	6479.57	68	5651.18	70
27	IMHSB-18K-11	6079.08	3	9045.16	61	5454.89	50	6564.26	49	6651.04	68	6944.25	64	6573.82	59
28	IMHSB-18K-12	4771.93	32	9209.74	58	6022.66	33	7423.47	15	6288.9	73	7759.55	44	6641.09	54

Table No. 3: (Contd.) Yield (kg/ha)

S. No.	Entry	PZ												All India	
		Kolha_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
29	IMHSB-18K-13	4552.07	43	9302.93	57	5158.07	59	7938.95	3	11526.96	1	8032.68	36	6872.13	46
30	IMHSB-18K-14	4048.23	68	11708.12	7	6327.92	26	6545.77	50	9927.61	4	8467.92	12	7287.8	31
31	IMHSB-18K-15	5286.07	14	10494.65	37	6213.01	30	6418.77	55	6739.77	67	7565.44	50	6957.93	45
32	IMHSB-18K-16	5082.7	20	8153.15	67	5347.68	54	5976.71	70	6425.77	71	6169.65	69	5474.2	71
33	IMHSB-18K-18	5424.3	12	9659.34	52	6404.81	25	7056.91	31	9423.01	12	8025.47	37	6819.51	48
34	IMHSB-18K-2	4658.85	39	10398.76	39	5481.84	49	7104.29	26	8918.59	22	8310.41	19	7063.78	41
35	IMHSB-18K-5	4487.83	47	11224.86	16	7207.46	9	6392.49	58	9216.42	15	8191.25	30	7072.92	40
36	IMHSB-18K-6	4116.79	65	9642.89	53	4719.21	69	7417.75	16	7464.26	52	7444.98	56	6602.54	56
37	IMHSB-18K-8	4149.05	62	10898.48	24	6758.59	18	7507.63	12	9202.94	16	8351.74	17	7571.31	19
38	IMHSB-18K-9	4543.75	44	11398.39	12	7187.97	10	6230.06	63	6962.37	65	7612.61	48	6994.74	43
39	IMHVS-001	5214.48	15	8759.64	65	5356.1	52	6901.88	37	9111.7	18	7772.41	43	7003.46	42
40	IMHVS-002	4833.55	30	8603.31	66	5926.96	35	7284.57	19	7369.25	55	7046.79	62	6609.48	55
41	INDAM 1118	3396.64	76	12258.3	3	6455.18	23	6794.16	42	8045.46	39	8121.38	34	7443.83	23
42	IS8249(DKC8191)	4552.61	42	11061.68	20	7742.89	4	7184.37	22	8491.06	32	8643.86	11	8016.3	8
43	IS8425(DKC9194)	5196.34	16	12432.08	1	6000.45	34	7606.28	7	9677.72	9	8997.87	6	8378.65	1
44	IS8640(DKC9198)	5167.76	18	10574.66	33	7041.04	11	7076.79	28	8699.39	28	9127.57	3	8044.93	7
45	IS8723(DKC9190)	6039.74	4	11660.45	9	6312.16	28	7067.66	30	9001.58	20	9379.15	1	8245.41	2
46	JKMH1518	6139.72	2	11135.63	19	6171.03	32	6207.71	64	9785.23	8	9021.66	5	7540.54	20
47	KMH 17-105	4128.05	64	5745.84	75	3143.95	77	6860.14	38	8304.64	38	6138.93	70	5346.46	73
48	KMH 17-6	4246.47	57	7356.12	69	4473.07	72	6855.98	41	5834.61	77	5937.03	73	5739.55	68
49	KMH-004	4048.88	67	11433.37	11	8162.28	2	7016.17	33	7411.66	54	8194.8	29	7657.56	14
50	KNMH-4181	4302.07	54	9355.9	56	4222.77	74	7725.22	5	7499.8	51	7886.97	42	7086.73	37
51	KNMH-4182	4204.47	58	8866.03	62	4830.49	67	7360.3	17	7870.3	43	7678.69	47	6411.79	62
52	KNMH-4183	5058.1	22	9718.23	49	6560.77	22	6380.62	59	8716.09	27	8250.96	25	7239.46	33
53	KNMH-4184	4349.96	53	9134.67	59	6408.06	24	6751.86	44	7213.29	58	7496.86	53	6857.77	47
54	LMH 1217	4267.65	56	9789.71	48	4132.99	75	7561.84	11	7534.1	50	8304.22	20	7430.94	25
55	LMH 1417	5039.59	23	11667.27	8	5348.57	53	7075.51	29	8560.01	31	8177.69	32	7093.22	36
56	LMH 3117	3961.3	70	4588.86	76	4973.38	63	7849.44	4	7095.77	60	6079.52	71	5680.77	69

Table No. 3: (Contd.) Yield (kg/ha)

S. No.	Entry	PZ												All India	
		Kolha_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
57	LMH 3417	4176.94	60	10497.24	36	5581.5	44	7348.99	18	8407.03	36	8254.25	24	7360.94	28
58	MM9309	5161.43	19	11371.6	13	4909.37	65	6857.05	39	8453.11	34	8772.02	9	8090.99	5
59	MMH-1708	4405.68	51	10270.57	40	5725.83	41	7132.61	25	7746.92	46	7346.73	59	6596	57
60	MMH18-11	4530.03	46	5902.77	74	5919.23	36	5218.34	74	6567.09	70	4902.96	77	4876.42	76
61	MMH18-12	4268.42	55	5988.24	73	5072.38	61	6274.59	61	7234.35	57	5660.62	74	5268.63	74
62	NAVNEET	3925.65	71	11229.89	15	6800.71	17	6523.37	51	6273.08	75	7487.7	54	6188.97	65
63	OMH 17-47	4477.03	49	10169.18	42	7550.31	5	5771.41	73	7668.19	48	8822.61	7	8134.24	4
64	PM18107M	3869.8	73	10839.92	26	7931.87	3	6679.92	47	8876.32	23	8186.18	31	7596.11	16
65	PM18108M	3857.7	74	9687.5	51	6680.1	21	6981.38	35	9469.26	10	7937.43	40	7438.58	24
66	RCRMH7(ZH138388)	5811.13	7	9493.17	54	7229.17	7	6077.3	66	9816.04	7	8427.66	16	7813.76	11
67	RCRMH9(CAH1713)	5794.91	8	11642.42	10	4829.82	68	7579.25	10	9331.72	14	7893.31	41	6754.9	50
68	SYN816604	4911.05	27	12048.77	5	6748.87	19	6856.97	40	9862.15	6	9044.15	4	8143.7	3
69	TMMH886	2924.05	78	2734.38	78	1672.01	78	4024.89	77	6279.14	74	4263.41	78	.	.
70	TS2506	4747.88	33	11197.06	18	7039.27	12	6240.22	62	9976.7	3	8284.2	22	7230.45	34
71	TUFAN	4444.71	50	10025.22	44	6740.36	20	6723.15	46	7784.42	45	8098.15	35	7597.35	15
72	VH11130	4890.01	28	9970.75	46	5551.22	46	6655.77	48	8802.93	25	8284.79	21	7372.71	27
73	VaMH 15015	5019.72	24	11211.2	17	5914.82	37	5975.55	71	8846.35	24	8127.01	33	7257.62	32
74	ZH161032	4929.45	26	11054.19	21	7004.83	14	7156.65	24	8401.54	37	8803.41	8	7933.15	9
75	DHM -117 (FILLER)	4536.67	45	10610.26	31	6305.3	29	6409.93	56	8589.85	29	7537.06	52	6411.94	61
76	BIO 9544 (C)	4682.97	37	10666.59	29	5537.82	47	5204.27	75	10333.04	2	7969.75	38	7350.34	29
77	CMH-08-292 (C)	5443.19	10	8846.75	63	8298.94	1	7614.09	6	8784.36	26	8270.95	23	7694.31	13
78	DHM-121 (C)	4197.19	59	11253.36	14	7347.46	6	7174.07	23	9110.02	19	8453.97	14	7446.62	22
	Location Mean	4688.1	.	9819.24	.	5848.22	.	6736.97	.	8112.33	.	7683.58	.	6907.59	.
	CV (%)	20.34	.	9.55	.	18.87	.	14.91	.	18.23	.	13.81	.	16.37	.
	F (Prob)	0.25	.	0	.	0	.	0.01	.	0	.	0	.	0	.
	CD (5%)	1541.64	.	1516.97	.	1783.94	.	1624.6	.	2391.72	.	695.39	.	468.05	.
	CD (1%)	2038.21	.	2005.6	.	2358.57	.	2147.9	.	3162.11	.	914.68	.	615.33	.

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-13.49	39	11.68	13	16.77	21	-4.13	53	-38.07	51	-11.53	41	12.04	12	-18.8	64	-37.17	56	-15.22	62	-3.73	29
2	AH 4271	-7.57	36	9.69	14	1.05	43	-1.29	47	-31.08	43	-9.78	40	0.26	31	-7.28	50	-38.49	59	-9.95	49	-11.26	53
3	AH8070	29.4	3	-17.73	53	17.03	19	30.62	4	-38.19	52	1	18	-4.38	41	3.69	28	-30.1	43	6.74	10	-2.4	25
4	AH8071	12.77	9	6.37	18	-1.52	47	-27.91	76	-72.16	75	-16.78	55	0.13	32	1.27	36	-1.12	6	-14.26	58	-4.3	32
5	BH416032	6.94	15	33.27	3	38.92	4	-3.92	51	-14.71	22	8.72	7	-10.23	50	1.21	37	-14.49	15	-5.92	41	-11.17	52
6	BH416067	-44.81	72	-21.13	58	15.37	22	16.09	13	-37.23	50	-20.84	59	-21.36	63	-10.67	56	-28.93	41	-8.82	47	-19.42	63
7	BH416215	16.96	7	16.31	11	41.1	2	4.24	30	1.5	7	9.46	6	6.52	22	2.1	34	5.55	3	-9.99	50	2.34	17
8	BLH136	-26.24	56	16.4	10	40.45	3	1.91	36	-26.67	38	-5.89	31	10.45	14	7.19	19	-28.29	38	-0.15	28	4.5	12
9	CAH1511	16.41	8	-9.28	40	28	12	-14.93	65	15.95	3	5.41	13	24.21	2	2.64	32	-16.41	17	1.85	23	9.43	7
10	CMH2425	-26.52	59	-16.51	50	4.1	40	-7.88	58	-2.38	14	-13.85	46	-5.67	42	6.8	21	-35.64	53	-19.36	72	-2.37	24
11	CMH2525	2.02	21	16.95	8	17.03	20	10.08	23	2.08	6	7.52	11	9.97	17	-16.58	62	-13.34	13	4.34	16	-7.94	43
12	DH-316	-23.8	54	-3.52	31	9.38	32	-8.18	59	-41.96	55	-14.6	50	-9.1	47	-20.3	65	-39.68	62	-12.74	56	-16.33	59
13	DH-317	-78.2	76	-10.81	43	-9.19	58	-8.67	62	-51.88	63	-34.35	69	-33.8	71	3.47	29	-35.52	52	-16.03	67	-21.07	65
14	H1013	-39.11	67	-34.13	67	-13.78	65	-20.52	69	-44.85	57	-33.61	68	-42.22	74	-12.5	59	-39.3	60	-7.56	43	-28.28	70
15	HKH-368	-23.23	53	-21.51	59	-33.33	75	-8.35	61	-31.23	44	-26.85	64	-10.45	51	-3.95	46	-14.9	16	2.26	22	-11	51
16	HKH-369	-40.74	69	-11.58	45	-14.99	67	7.85	26	-67.3	73	-29.46	67	-25.27	67	0.89	39	-34.28	50	15.54	3	-17.88	60
17	HT18607	-7.53	35	-0.97	28	10.96	30	18.27	10	8.8	4	3.27	17	15.61	9	10.75	13	-22.08	27	-5.63	39	6.95	10
18	IH-0965	-73.64	75	-61.79	75	-12.16	61	-26.13	75	-66.81	72	-51.28	76	-55.53	76	-37.35	75	-59.21	76	3.8	17	-47	76
19	IH-1604	-17.52	47	-4.37	33	-12.78	62	-3.08	50	-32.37	47	-15.66	53	-12.87	56	-29.45	71	-41.14	64	-31.8	77	-20.92	64
20	IMHL-K-1	0.3	24	-23.94	62	-19.1	70	4.38	29	-20.41	30	-14.1	48	-17.56	60	13.84	6	-20.71	24	11.48	6	-8.83	45
21	IMHL-K-2	-18.07	48	7.42	17	4.6	38	24.92	8	-26.11	37	-4.55	28	-6.68	45	-7.03	48	-30.86	45	-0.44	29	-9.35	47
22	IMHL-K-3	-42.36	70	-4.09	32	14	24	-8.19	60	-46.14	58	-20.57	58	-11.6	53	7.7	18	-25.35	32	-18.97	70	-5.91	39
23	IMHSB-18K-03	-26.3	57	-22.79	60	-8.82	56	-7.32	57	-50.75	61	-24.53	62	-32	70	-11.51	57	-19.43	20	-14.34	59	-26.17	69
24	IMHSB-18K-04	-15.7	46	-15.39	48	-22.01	73	-1.97	48	-23.74	32	-15.43	52	-0.73	34	7.85	17	-28.71	40	-14.77	60	-4.12	30
25	IMHSB-18K-07	8.8	12	-11.49	44	-3.05	51	36.98	1	-54.38	66	-4.49	27	-12.92	57	-21.81	67	-22.41	28	0.12	26	-22.4	66
26	IMHSB-18K-10	-25.94	55	-47.58	71	-22.1	74	-25.18	73	-51.78	62	-35.37	70	-34.4	72	-28.53	70	-50.66	70	-12.5	55	-35.72	75
27	IMHSB-18K-11	2.3	19	0.66	23	13.02	27	-10.49	63	-29.21	41	-5.31	30	-10.47	52	12.73	9	-28.24	37	1.67	24	-2.56	28
28	IMHSB-18K-12	-26.66	60	-6.04	38	8.25	35	0.95	41	-31.56	45	-16.46	54	-19.4	61	0.1	40	-43.44	66	-24.58	75	-9.7	48

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-29.97	63	5.42	19	18.49	17	26.13	7	-57.87	70	-12.35	42	7.14	21	-35.53	73	-24.66	31	13.45	4	-14.84	58
30	IMHSB-18K-14	-5.06	31	-11.76	46	-6.41	54	1.76	37	-31.89	46	-12.68	44	-1.36	35	-7.83	51	-19.8	21	5.71	11	-5.62	38
31	IMHSB-18K-15	-14.76	41	-17.2	52	1.01	44	18.1	11	-8.78	17	-7.18	36	1.67	29	1.13	38	-39.67	61	-15.49	63	0.34	19
32	IMHSB-18K-16	-39.43	68	-44.28	70	-14.86	66	-4.13	52	-72.64	76	-35.37	71	-24.48	64	-42.76	76	-47.6	69	-24.65	76	-34.48	73
33	IMHSB-18K-18	-35.46	66	-19.22	55	-11.58	60	-4.28	54	-46.75	59	-28.25	66	1.7	28	14.49	3	-53.61	73	-4.22	36	2.68	15
34	IMHSB-18K-2	-19.05	49	-5.37	36	-2.2	49	1.65	39	-1.69	12	-4.73	29	-3.96	39	-2.07	45	-51.47	71	9.41	8	-6.21	41
35	IMHSB-18K-5	-28.85	62	-16.44	49	6.06	36	17.67	12	-1.96	13	-6.72	33	-12.24	54	2.67	31	-25.85	33	5.12	12	-11.91	55
36	IMHSB-18K-6	-23	52	0.18	25	11.4	29	8.03	25	-56.01	67	-14.34	49	-1.59	36	-17.56	63	-34.96	51	-12.17	54	-12.29	57
37	IMHSB-18K-8	8.29	13	1.95	21	36.08	6	13.74	18	-15.88	23	4.06	15	6.35	23	7.14	20	2.41	4	4.67	13	2.47	16
38	IMHSB-18K-9	25.06	5	18.57	7	9.19	33	-23.06	71	-38.46	54	-1.59	23	-12.75	55	-21.08	66	-38.06	58	-10.65	51	-19.15	61
39	IMHVS-001	-9.22	37	-5.95	37	21.18	14	-0.34	45	-16.79	24	-6.79	34	12.7	10	-7.12	49	-9.33	12	-3.7	35	-1.61	22
40	IMHVS-002	-5.35	33	-17.74	54	-1.97	48	8.89	24	-34.02	48	-12.89	45	9.53	18	-22.65	68	-17.45	18	-14.96	61	-5.06	36
41	INDAM 1118	6.26	16	23.98	4	-5.43	53	6.62	27	-38.45	53	-2.07	24	-28.38	69	9.85	15	-6.5	11	11.53	5	-10.29	50
42	IS8249(DKC8191)	22.62	6	16.75	9	30.76	10	22.31	9	1.29	8	16.51	3	20.87	4	5.89	25	-29.66	42	-13.28	57	9.7	6
43	IS8425(DKC9194)	8.01	14	0.09	26	29.82	11	15.4	16	17.8	2	12.93	4	43.35	1	14.45	4	-33.89	49	-5.23	38	23.15	1
44	IS8640(DKC9198)	26.18	4	15.72	12	32.68	9	35.72	2	-24.95	35	16.57	2	-1.63	37	13.56	7	25.61	1	-7.18	42	2.98	14
45	IS8723(DKC9190)	30.18	2	-20.44	56	21.34	13	15.58	15	-11.86	21	7.97	9	12.12	11	20.87	1	-4.74	10	-15.84	66	11.51	4
46	JKMH1518	-5.3	32	-24.73	64	-3.83	52	-0.34	44	-17.17	25	-9.67	39	16.08	8	12.38	10	-26.7	35	4.64	14	8.88	8
47	KMH 17-105	-48.7	73	-51.35	72	-12.95	64	-25.36	74	-43.89	56	-37.84	72	-19.44	62	-42.98	77	-46.26	68	-2.6	32	-33.04	72
48	KMH 17-6	-27.52	61	-20.96	57	-12.9	63	4.58	28	-56.87	69	-25.48	63	-15.48	59	-29.74	72	-21.06	25	-21.49	73	-23.34	68
49	KMH-004	12.69	10	8.74	15	13.38	26	29.61	5	-10.73	20	7.97	10	-7.99	46	4.44	27	9.48	2	-15.62	64	-4.33	33
50	KNMH-4181	-19.31	50	-27.67	66	-2.48	50	1.65	38	-24.14	34	-18.17	56	10.21	15	-12.44	58	-51.84	72	3.38	20	-6.05	40
51	KNMH-4182	-14.84	42	-54.66	74	-35.49	76	2.16	32	-22.38	31	-23.85	61	-26.81	68	5.96	24	-58.31	75	3.06	21	-19.26	62
52	KNMH-4183	-3.85	29	0.28	24	19.04	15	14.01	17	-27.45	40	-3.31	25	-24.49	65	6	23	-35.97	54	22.14	1	-11.65	54
53	KNMH-4184	-15	44	-12.74	47	-7.89	55	10.6	22	-23.88	33	-13.95	47	1.76	27	15	2	-18.03	19	-8.06	46	0.74	18
54	LMH 1217	1.41	22	-4.96	34	17.84	18	-2.11	49	5.65	5	0.65	19	-9.36	48	6.19	22	-23.94	30	4.62	15	-8.34	44
55	LMH 1417	0.63	23	-43.67	69	11.48	28	-0.98	46	-17.8	26	-12.43	43	2.92	26	3.36	30	-40.19	63	-17.9	69	-4.64	35
56	LMH 3117	-32.16	64	-24.13	63	-1.32	46	-18.08	67	-47.27	60	-27.02	65	-6.24	43	-35.87	74	-28.46	39	3.78	18	-22.6	67

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-15.47	45	-1.64	29	35.29	7	-24.46	72	-10.31	19	-7.79	37	4.4	25	10.48	14	-43.67	67	17.83	2	6.83	11
58	MM9309	39.81	1	-10.13	42	38.92	5	3.77	31	29.75	1	17.72	1	9.99	16	-0.41	43	-3.23	8	-1.48	31	3.66	13
59	MMH-1708	-6.58	34	-23.35	61	-10.7	59	-6.09	56	-56.75	68	-20.07	57	-1.91	38	-1.94	44	-38.01	57	-16.33	68	-5.12	37
60	MMH18-11	-42.94	71	-52.57	73	-17.45	68	-20.84	70	-63.85	71	-40.35	73	-44.94	75	-16	61	-32.93	47	-23.79	74	-35.22	74
61	MMH18-12	-61.78	74	-25.91	65	-18.37	69	-19.81	68	-68.1	74	-42.19	75	-40.06	73	-9.65	55	-42.81	65	-3.66	34	-28.31	71
62	NAVNEET	-33.65	65	-81.76	77	-19.17	71	-15.41	66	-52.3	64	-41.84	74	-25.25	66	13.05	8	-30.91	46	7.68	9	-12.11	56
63	OMH 17-47	11.88	11	7.56	16	33.68	8	2.15	33	-5.53	16	6.43	12	17.62	6	10.99	12	-26.75	36	-15.78	65	12.63	2
64	PM18107M	-0.36	27	34.54	2	9.06	34	11.65	21	-25.38	36	3.74	16	1.11	30	-0.34	42	-4.48	9	-0.76	30	-4.51	34
65	PM18108M	-0.14	26	1.44	22	4.72	37	33.34	3	0.82	9	4.63	14	5.97	24	-8.39	52	-20.2	23	-2.97	33	-2.44	26
66	RCRMH7(ZH138388)	5.98	17	-16.65	51	15.25	23	12.43	20	-4.33	15	-1.18	22	19.71	5	8.57	16	-1.28	7	3.41	19	11.85	3
67	RCRMH9(CAH1713)	-20.23	51	-5.09	35	18.74	16	-5.21	55	-53.65	65	-15.43	51	-13.46	58	-5.44	47	-33.01	48	-9.05	48	-9.08	46
68	SYN816604	4.7	18	49.68	1	4.22	39	13.39	19	-19.77	29	10.55	5	21.41	3	4.95	26	-14.16	14	-11.22	52	7.97	9
69	TMMH886	-93.81	77	-69.24	76	-51.01	77	-39.19	77	-90.13	77	-72.24	77	.	.	-25.03	69	-56.59	74	-5.9	40	.	.
70	TS2506	-14.92	43	-10.05	41	2.36	42	2.11	34	-26.89	39	-9.11	38	-4.2	40	-9.44	53	-30.62	44	-7.99	45	-7.47	42
71	TUFAN	2.07	20	2.77	20	3.67	41	1.43	40	-0.37	11	0.4	20	16.86	7	14.14	5	-25.93	34	1.66	25	10.47	5
72	VH11130	-14.72	40	20.03	6	10.07	31	0.35	42	-36.28	49	-3.85	26	8.95	19	-9.57	54	-22.42	29	9.49	7	-4.26	31
73	VaMH 15015	-26.44	58	-2.1	30	13.52	25	2.07	35	-9.19	18	-6.64	32	10.74	13	-14.19	60	-36.4	55	-5.14	37	-2.51	27
74	ZH161032	-10.95	39	15.94	12	35.93	7	5.98	28	-6.41	17	3.32	17	20.52	5	-6.12	48	2.18	5	-10.33	51	2.41	17
75	DHM -117 (FILLER)	-4.38	30	-42.34	68	-21.05	72	-12.34	64	-19	28	-21.48	60	-6.34	44	1.84	35	-65.88	77	-19.3	71	-10.28	49
76	BIO 9544 (C)	0	25	0	27	0	45	0	43	0	10	0	21	0	33	0	41	0	5	0	27	0	20
77	CMH-08-292 (C)	-9.3	38	21.42	5	51.95	1	15.73	14	-17.81	27	8.23	8	-10.15	49	11.39	11	-21.14	26	-11.97	53	-2.29	23
78	DHM-121 (C)	-1.16	28	-7.38	39	-8.9	57	26.48	6	-30.4	42	-7.01	35	7.55	20	2.2	33	-19.98	22	-7.87	44	-1.02	21

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-38.33	72	14.83	12	-4.83	49	12.97	12	2.26	17	-4.13	16	7.3	44	4.51	44	-7.39	47
2	AH 4271	-34.53	67	9.38	20	12.48	24	27.02	2	9.16	4	1.33	5	27.01	17	18.3	30	-4.5	40
3	AH8070	-33.43	65	4.77	31	8.09	31	7.17	22	-1.3	29	-0.46	10	17.07	28	22.96	19	4.05	16
4	AH8071	2.42	11	-2.49	56	18.2	17	6.02	23	-1.13	28	-4.31	19	11.31	36	-15.04	65	-20.85	60
5	BH416032	-39.34	75	13.31	13	10.79	26	-6.76	56	-2.21	33	-15.41	57	26.49	18	14.2	36	-5.52	43
6	BH416067	8.92	5	4.92	30	0.49	38	-4.46	52	-6.6	44	-5.58	21	10.03	40	0.63	46	-16.87	55
7	BH416215	-7.33	24	7.63	23	13.41	21	23.88	4	7.14	6	-10.27	39	16.81	29	45.23	7	21.39	1
8	BLH136	-5.27	22	22.83	4	10.74	28	10.98	17	2.87	14	-14.5	53	9.11	41	27.79	16	20.47	3
9	CAH1511	-36.15	68	-3.26	59	10.2	29	11.25	14	-1.43	30	-4.99	20	41.63	5	60.57	5	8.86	9
10	CMH2425	-20.38	45	22.71	5	-1.21	43	4.8	28	0.67	20	-16.96	62	25.74	22	19.88	27	-3.04	34
11	CMH2525	-32.59	63	3.74	36	15.8	19	-8.19	57	-4.05	39	-9.02	31	34.66	10	32.9	11	-8.49	49
12	DH-316	-26.42	53	2.33	39	-13.72	59	-4.91	54	-10.11	55	-9.54	35	-1.21	58	-2.26	49	-1.61	30
13	DH-317	-8.05	26	-14.5	74	-20.35	65	-26.67	75	-24.42	75	-33.77	74	-38.4	74	-9.84	60	-18.17	57
14	H1013	-24.12	49	-1.36	52	-45.12	74	-10.21	60	-25.85	76	-39.21	75	-18.85	66	-9.51	59	-16.82	54
15	HKH-368	12.12	3	24.08	3	-7.53	52	2.44	36	-0.04	24	-6.28	22	-19.88	68	-3.92	54	-24.95	64
16	HKH-369	-17.46	41	17.53	8	-11.06	57	-9.69	59	-7.76	50	-18.91	64	-39.6	75	5.83	43	-28.98	69
17	HT18607	14.11	1	2	40	20.9	11	10.6	19	2.38	16	-15.47	59	26.22	19	53.83	6	7.71	12
18	IH-0965	-24.88	51	-4.52	61	-49.19	76	5.5	25	-19.05	69	-27.82	72	-58.41	77	-22.82	69	-30.31	71
19	IH-1604	-19.63	44	6.65	29	-24.89	67	-23.42	74	-19.83	71	-11.62	43	-9.27	63	-18.88	66	-0.08	28
20	IMHL-K-1	-8.15	27	-1.85	53	-0.55	42	-4.55	53	-8.07	52	-10.88	41	-2.78	60	-3.78	52	-18.29	58
21	IMHL-K-2	5.46	9	19.53	6	12.53	23	1.3	37	2.63	15	-4.19	17	11.02	37	9.61	41	-6.09	45
22	IMHL-K-3	-17.69	42	7.5	25	18.55	16	0.92	38	-0.86	25	-6.46	23	19.29	26	-6.09	56	-23.12	62
23	IMHSB-18K-03	-16.62	38	-2.39	55	-2.51	45	2.81	33	-7.79	51	-8.49	30	-12.77	64	-41.63	77	-27.38	66
24	IMHSB-18K-04	-59.85	77	10.15	16	-10.06	54	10.85	18	-4.99	42	-14.24	51	15.06	31	-0.85	48	-5.7	44
25	IMHSB-18K-07	-21.49	46	1.13	42	0.23	39	2.93	32	-3.87	36	-9.83	36	-1.26	59	-11.89	63	-23.26	63
26	IMHSB-18K-10	-29.32	60	6.98	27	-40.08	72	19.89	6	-12.34	59	-21.55	66	-18.88	67	-28.86	70	-13.14	53
27	IMHSB-18K-11	-12.83	34	-5.72	63	-10.73	56	-21.72	72	-16.48	67	-23.88	69	2.03	53	-9.93	61	-8.58	50
28	IMHSB-18K-12	-15.07	36	-0.41	49	-26.25	68	-12.54	63	-19.35	70	-12.5	48	27.55	13	14.73	34	-3.54	35

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-6.64	23	4.03	35	-8.71	53	-13.51	65	-13.77	62	1	6	2.77	50	-22.39	68	-19.38	59
30	IMHSB-18K-14	-24.67	50	9.39	19	13.01	22	0.92	39	-1	27	-12.28	46	31.04	12	21.26	24	-4.24	38
31	IMHSB-18K-15	-38.32	71	8.71	22	-13.85	60	3.35	31	-7.24	46	-9.96	38	27.15	15	-3.28	51	-3.73	37
32	IMHSB-18K-16	-5.23	21	-12.79	73	-4.44	48	-16.03	66	-16.41	66	-8.03	27	-25.63	70	-36.34	75	-32.54	72
33	IMHSB-18K-18	7.02	6	-4.65	62	-23.21	66	32.82	1	-6.41	43	-14.51	54	-6.76	61	17.44	32	21.11	2
34	IMHSB-18K-2	-36.8	69	-3.64	60	-26.78	69	-19.01	71	-20.97	73	-4.22	18	3.52	48	28.65	14	-1.48	29
35	IMHSB-18K-5	-38.58	74	-8.51	68	18.67	15	-22.79	73	-11.55	58	-15.45	58	12.16	34	14.15	37	5.68	15
36	IMHSB-18K-6	-2.75	18	3.36	38	11.22	25	-37.58	76	-13.43	61	-7.68	25	7.65	43	-6.84	57	-28.32	67
37	IMHSB-18K-8	-30.57	62	4.29	32	4.73	33	11.11	16	-2.4	35	-11.27	42	36.44	9	18.03	31	1.36	21
38	IMHSB-18K-9	-15.69	37	-1.28	51	-10.7	55	11.14	15	-4.44	40	-10.42	40	11.75	35	-2.57	50	-22.03	61
39	IMHVS-001	13.22	2	-7.51	67	10.79	27	-17.89	68	-8.68	54	-3.7	14	13.32	33	4.26	45	-2.58	32
40	IMHVS-002	6.18	8	-8.65	69	14.15	20	-9.39	58	-7.64	49	-9.54	34	2.44	51	-10.25	62	-29.57	70
41	INDAM 1118	0.54	15	-6.53	64	34.31	4	19.57	7	6.57	7	0.84	7	10.27	39	-6.84	58	-12.04	52
42	IS8249(DKC8191)	-27.44	55	-7.41	66	24.17	8	-1.1	46	-0.01	23	16.4	1	6.81	45	31.08	13	8.76	10
43	IS8425(DKC9194)	-38.48	73	7.16	26	50.65	2	5.11	26	11.7	2	-7.17	24	24.74	23	19.65	28	17.21	4
44	IS8640(DKC9198)	-27.47	56	11.55	15	4.33	34	-18.62	70	-8.22	53	2.57	4	47.12	4	68.59	2	2.13	18
45	IS8723(DKC9190)	-23.04	48	-22.11	76	54.77	1	-3.73	51	4.73	12	-8.13	28	49.38	3	64.64	3	6.37	13
46	JKMH1518	-18.54	43	-3.09	57	3.76	35	-2.71	49	-10.13	56	5.23	3	10.66	38	74.45	1	13.96	7
47	KMH 17-105	-26.66	54	-11.98	72	-39.35	71	2.75	34	-21.16	74	-12.48	47	-37.64	73	-13.95	64	-28.46	68
48	KMH 17-6	-27.89	57	9.54	18	-4.21	47	-12.3	62	-10.41	57	-23.89	70	-16.24	65	-28.96	71	-34.58	74
49	KMH-004	6.81	7	3.59	37	37.9	3	-0.91	44	5.36	10	8.54	2	18.46	27	11.5	39	-5.42	42
50	KNMH-4181	-47.98	76	42.89	1	-15.01	62	26.08	3	7.72	5	-23.12	67	27.52	14	19.94	26	0.47	25
51	KNMH-4182	-37.64	70	-7.22	65	-45.72	75	14.94	10	-16.15	65	-11.84	44	2.87	49	20.58	25	-4.41	39
52	KNMH-4183	-10.07	29	12.79	14	-0.48	41	-17.43	67	-7.27	47	-2.08	12	14.68	32	22.52	21	11.59	8
53	KNMH-4184	2.68	10	15.46	11	3.4	36	-10.72	61	-3.87	37	-7.68	26	1.98	54	22.8	20	-2.7	33
54	LMH 1217	-3.42	19	15.47	10	-5.6	51	7.92	21	-1.7	32	-16.59	60	41.32	6	28.39	15	8.28	11
55	LMH 1417	-17.3	40	-11.44	71	8.38	30	-2.17	47	-4.8	41	-16.95	61	26.2	20	14.53	35	-6.55	46
56	LMH 3117	2.14	12	0.24	44	-29.66	70	-12.75	64	-17.15	68	-12.71	49	-24.11	69	-31.35	73	-37.27	75

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dhar_KR		Hyd_AP		Karim_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-13.8	35	4.05	34	3.06	37	-0.83	43	-4	38	-12.21	45	16.44	30	13.37	38	-2.03	31
58	MM9309	1.66	14	6.83	28	27.96	6	-2.4	48	1.16	18	-8.29	29	60.43	2	7.65	42	6.16	14
59	MMH-1708	-17.24	39	-3.11	58	-1.37	44	-0.48	41	-7.42	48	-9.39	32	1.54	55	-19.38	67	-25.14	65
60	MMH18-11	-3.75	20	-0.21	48	-13.49	58	-18.57	69	-14.56	63	-50.48	77	-37.34	72	-37.5	76	-53.12	77
61	MMH18-12	-11.15	31	-20.68	75	-2.87	46	4.5	29	-12.45	60	-43.01	76	-26.16	71	-34.22	74	-34.22	73
62	NAVNEET	-12.76	33	-2.38	54	-18.5	63	4.4	30	-7.03	45	-19.26	65	0.58	56	10.8	40	-3.66	36
63	OMH 17-47	-11.83	32	17.41	9	27.31	7	22.66	5	11.96	1	-14.23	50	61.9	1	64.45	4	15.23	6
64	PM18107M	-28.89	58	0.86	43	22.55	9	16.71	8	6.01	8	-14.45	52	2.22	52	33.83	10	1.41	20
65	PM18108M	-10.22	30	4.23	33	5.37	32	10.01	20	0.92	19	-14.53	55	8.55	42	22.22	22	-7.9	48
66	RCRMH7(ZH138388)	-32.68	64	31.78	2	18.72	14	13.02	11	10.62	3	-17.48	63	21.45	24	38.65	8	17.18	5
67	RCRMH9(CAH1713)	-29.09	59	-10.99	70	-20.2	64	-0.61	42	-15.36	64	-14.54	56	5.56	46	-5.62	55	-17.07	56
68	SYN816604	11.04	4	-0.6	50	31.3	5	4.88	27	4.98	11	-3.62	13	36.96	8	32.54	12	0.84	22
69	TMMH886	-8.24	28	-40.69	77	-57.34	77	-38.02	77	-51.38	77	-33.26	73	-57.38	76	-29.99	72	-45.84	76
70	TS2506	-7.39	25	0	45	-5.02	50	2.61	35	-1.46	31	-9.47	33	37.15	7	-3.9	53	-11.28	51
71	TUFAN	-0.81	17	8.94	21	21.24	10	15.39	9	5.99	9	-9.91	37	32.71	11	25.22	18	0.67	23
72	VH11130	-34.32	66	-0.1	47	17.59	18	-6.07	55	-0.97	26	-1.88	11	20.61	25	19.01	29	3.88	17
73	VaMH 15015	-22.12	47	7.62	24	19.03	13	-2.9	50	-2.35	34	-4.1	15	5.24	47	36.83	9	0.04	26
74	ZH161032	-16.99	39	13.71	13	38.76	3	1.6	37	8.25	5	-7.73	27	30.08	13	41.09	8	12.76	8
75	DHM -117 (FILLER)	-25.56	52	1.75	41	-45.07	73	-0.92	45	-20.06	72	-27.64	71	-7.13	62	26.3	17	-5.34	41
76	BIO 9544 (C)	0	16	0	46	0	40	0	40	0	22	0	9	0	57	0	47	0	27
77	CMH-08-292 (C)	2.02	13	9.96	17	19.96	12	5.65	24	3.87	13	0.11	8	25.92	21	15.57	33	0.6	24
78	DHM-121 (C)	-30.06	61	18.37	7	-14.92	61	11.59	13	0.23	21	-23.29	68	27.14	16	21.73	23	1.42	19

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	33.6	1	-5.6	42	-11.75	65	39.13	21	-29.3	55	-3.1	44	-3.69	38
2	AH 4271	-5.98	51	-1.43	33	3.41	39	34.54	33	-18.3	35	4.65	17	0.73	25
3	AH8070	-2.6	40	14.46	4	30.42	8	15.11	68	-28.1	52	5.77	14	3.04	17
4	AH8071	25.12	6	11.04	6	-0.92	47	43.83	14	-4.07	5	-0.14	38	-4.84	43
5	BH416032	14.05	13	2.11	24	25.34	15	15.12	67	-40.08	75	-3.35	45	-0.57	29
6	BH416067	-1.57	39	-32.05	69	5.71	38	39.24	20	-31.65	60	-12.34	62	-13.95	62
7	BH416215	27.76	5	-1.43	34	2.89	41	30.07	42	-23.74	41	3.15	26	5.66	11
8	BLH136	4.32	28	-6.74	46	5.8	37	57.12	2	-18.17	33	3.08	27	1.36	20
9	CAH1511	-11.19	60	15.28	2	25.43	14	23.64	52	-9.17	13	16.19	2	9.59	6
10	CMH2425	6.54	25	3.35	22	-9.02	61	44.26	13	-11.26	17	3.31	25	-1.91	34
11	CMH2525	0.62	34	1.11	26	-5.72	57	36.48	26	-16.89	30	6.14	12	3.26	16
12	DH-316	-0.26	37	-29.58	67	-7.34	59	46.03	9	-24.05	43	-7.32	57	-10.33	57
13	DH-317	-29.28	76	-32.3	70	26.89	13	-39.22	77	-36.07	68	-30.34	74	-29.07	74
14	H1013	-16.49	71	-33.83	71	-21.34	72	33.6	35	-45.76	77	-24.72	71	-27.18	71
15	HKH-368	-11.43	62	-0.85	31	-4.94	55	59.13	1	-32.79	65	-10.72	60	-12.55	59
16	HKH-369	8.07	21	-14.45	59	-5.32	56	13	71	-25.69	46	-18.52	66	-18.75	66
17	HT18607	16.35	9	3.57	21	14.25	26	46.13	8	-8.45	11	9.65	9	6.46	9
18	IH-0965	-13.83	68	-62.3	76	-31.87	75	17.66	64	-38.13	71	-35.85	75	-37.2	76
19	IH-1604	-22.83	74	-9.07	49	-16.94	70	16.2	66	-31.75	62	-12.94	64	-15.68	63
20	IMHL-K-1	15.96	11	-1.63	37	-15.2	69	35.48	31	-13.15	21	-6.18	54	-8.78	51
21	IMHL-K-2	10.94	17	-17.55	63	11.64	30	24.44	51	-26.59	48	-5.39	50	-3.59	37
22	IMHL-K-3	1	33	-3.8	40	0.41	44	-6.23	75	-22.37	40	-6.78	56	-8.45	50
23	IMHSB-18K-03	-13.47	65	0.96	27	-2.82	50	22.87	56	-22.28	39	-13.63	65	-16.22	65
24	IMHSB-18K-04	2.15	30	-0.25	29	1.53	42	23.34	53	-31.74	61	-5.04	48	-7.25	48
25	IMHSB-18K-07	0.11	35	-6.37	44	-4.92	54	29.46	44	-32.35	63	-10.71	59	-8.84	52
26	IMHSB-18K-10	-4.32	47	-12.25	54	-11.3	63	21.21	59	-31.19	58	-18.7	67	-23.12	69
27	IMHSB-18K-11	29.81	3	-15.2	60	-1.5	49	26.13	48	-35.63	67	-12.87	63	-10.56	58
28	IMHSB-18K-12	1.9	31	-13.66	57	8.76	32	42.64	15	-39.14	72	-2.64	43	-9.65	53

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-2.8	42	-12.78	56	-6.86	58	52.55	3	11.55	1	0.79	35	-6.51	45
30	IMHSB-18K-14	-13.55	67	9.76	7	14.27	25	25.78	49	-3.92	4	6.25	11	-0.85	30
31	IMHSB-18K-15	12.88	14	-1.61	36	12.19	29	23.34	54	-34.77	66	-5.07	49	-5.34	44
32	IMHSB-18K-16	8.54	20	-23.56	66	-3.43	53	14.84	69	-37.81	70	-22.59	68	-25.52	70
33	IMHSB-18K-18	15.83	12	-9.44	51	15.66	24	35.6	30	-8.81	12	0.7	36	-7.22	47
34	IMHSB-18K-2	-0.51	38	-2.51	38	-1.01	48	36.51	25	-13.69	22	4.27	18	-3.9	40
35	IMHSB-18K-5	-4.17	46	5.23	16	30.15	9	22.83	57	-10.81	15	2.78	29	-3.77	39
36	IMHSB-18K-6	-12.09	64	-9.6	52	-14.78	68	42.53	16	-27.76	51	-6.58	55	-10.17	55
37	IMHSB-18K-8	-11.4	61	2.17	23	22.04	17	44.26	12	-10.94	16	4.79	16	3.01	18
38	IMHSB-18K-9	-2.97	43	6.86	12	29.8	10	19.71	62	-32.62	64	-4.48	47	-4.84	42
39	IMHVS-001	11.35	15	-17.88	64	-3.28	51	32.62	36	-11.82	18	-2.48	42	-4.72	41
40	IMHVS-002	3.22	29	-19.34	65	7.03	34	39.97	19	-28.68	54	-11.58	61	-10.08	54
41	INDAM 1118	-27.47	75	14.92	3	16.57	22	30.55	41	-22.14	38	1.9	33	1.27	22
42	IS8249(DKC8191)	-2.78	41	3.7	20	39.82	4	38.05	22	-17.83	32	8.46	10	9.06	8
43	IS8425(DKC9194)	10.96	16	16.55	1	8.35	33	46.15	7	-6.34	9	12.9	6	13.99	1
44	IS8640(DKC9198)	10.35	18	-0.86	32	27.14	11	35.98	27	-15.81	28	14.53	3	9.45	7
45	IS8723(DKC9190)	28.97	4	9.32	9	13.98	27	35.81	29	-12.89	20	17.68	1	12.18	2
46	JKMH1518	31.11	2	4.4	19	11.43	31	19.28	63	-5.3	8	13.2	5	2.59	19
47	KMH 17-105	-11.85	63	-46.13	74	-43.23	76	31.82	37	-19.63	37	-22.97	69	-27.26	72
48	KMH 17-6	-9.32	56	-31.04	68	-19.23	71	31.74	40	-43.53	76	-25.51	72	-21.91	67
49	KMH-004	-13.54	66	7.19	11	47.39	2	34.82	32	-28.27	53	2.82	28	4.18	13
50	KNMH-4181	-8.13	53	-12.29	55	-23.75	73	48.44	5	-27.42	50	-1.04	41	-3.59	36
51	KNMH-4182	-10.22	57	-16.88	61	-12.77	66	41.43	17	-23.83	42	-3.65	46	-12.77	61
52	KNMH-4183	8.01	22	-8.89	48	18.47	21	22.6	58	-15.65	27	3.53	24	-1.51	32
53	KNMH-4184	-7.11	52	-14.36	58	15.71	23	29.74	43	-30.19	57	-5.93	52	-6.7	46
54	LMH 1217	-8.87	55	-8.22	47	-25.37	74	45.3	11	-27.09	49	4.2	19	1.1	24
55	LMH 1417	7.62	23	9.38	8	-3.42	52	35.96	28	-17.16	31	2.61	31	-3.5	35
56	LMH 3117	-15.41	69	-56.98	75	-10.19	62	50.83	4	-31.33	59	-23.72	70	-22.71	68

Table No. 3 (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-10.81	59	-1.59	35	0.79	43	41.21	18	-18.64	36	3.57	23	0.14	27
58	MM9309	10.22	19	6.61	13	-11.35	64	31.76	38	-18.19	34	10.07	8	10.08	5
59	MMH-1708	-5.92	50	-3.71	39	3.39	40	37.05	24	-25.03	45	-7.82	58	-10.26	56
60	MMH18-11	-3.27	45	-44.66	73	6.89	35	0.27	73	-36.45	69	-38.48	76	-33.66	75
61	MMH18-12	-8.85	54	-43.86	72	-8.4	60	20.57	60	-29.99	56	-28.97	73	-28.32	73
62	NAVNEET	-16.17	70	5.28	15	22.8	16	25.35	50	-39.29	74	-6.05	53	-15.8	64
63	OMH 17-47	-4.4	48	-4.66	41	36.34	5	10.9	72	-25.79	47	10.7	7	10.66	4
64	PM18107M	-17.36	72	1.62	25	43.23	3	28.35	46	-14.1	23	2.72	30	3.34	15
65	PM18108M	-17.62	73	-9.18	50	20.63	20	34.15	34	-8.36	10	-0.41	39	1.2	23
66	RCRMH7(ZH138388)	24.09	7	-11	53	30.54	7	16.78	65	-5	7	5.75	15	6.3	10
67	RCRMH9(CAH1713)	23.74	8	9.15	10	-12.78	67	45.64	10	-9.69	14	-0.96	40	-8.1	49
68	SYN816604	4.87	26	12.96	5	21.87	18	31.76	39	-4.56	6	13.48	4	10.79	3
69	TMMH886	-37.56	77	-74.37	77	-69.81	77	-22.66	76	-39.23	73	-46.51	77	.	.
70	TS2506	1.39	32	4.97	18	27.11	12	19.91	61	-3.45	3	3.95	21	-1.63	33
71	TUFAN	-5.09	49	-6.01	43	21.72	19	29.19	45	-24.66	44	1.61	34	3.36	14
72	VH11130	4.42	27	-6.52	45	0.24	45	27.89	47	-14.81	25	3.95	20	0.3	26
73	VaMH 15015	7.19	24	5.11	17	6.81	36	14.82	70	-14.39	24	1.97	32	-1.26	31
74	ZH161032	5.26	26	3.63	21	26.49	14	37.51	24	-18.69	37	10.46	8	7.93	9
75	DHM -117 (FILLER)	-3.12	44	-0.53	30	13.86	28	23.17	55	-16.87	29	-5.43	51	-12.77	60
76	BIO 9544 (C)	0	36	0	28	0	46	0	74	0	2	0	37	0	28
77	CMH-08-292 (C)	16.23	10	-17.06	62	49.86	1	46.3	6	-14.99	26	3.78	22	4.68	12
78	DHM-121 (C)	-10.37	58	5.5	14	32.68	6	37.85	23	-11.84	19	6.08	13	1.31	21

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabo_BH		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-4.61	39	-8.02	13	-23.16	21	-17.16	53	-24.65	51	-18.27	41	24.69	12	-27.1	64	-20.3	56	-3.69	62	-1.48	29
2	AH 4271	1.91	36	-9.66	14	-33.5	43	-14.7	47	-16.15	43	-16.64	40	11.58	31	-16.76	50	-22	59	2.29	49	-9.18	53
3	AH8070	42.67	3	-32.24	53	-22.98	19	12.86	4	-24.79	52	-6.68	18	6.42	41	-6.91	28	-11.4	43	21.26	10	-0.11	25
4	AH8071	24.33	9	-12.39	18	-35.19	47	-37.71	76	-66.12	75	-23.11	55	11.44	32	-9.08	36	25.39	6	-2.59	58	-2.05	32
5	BH416032	17.91	15	9.76	3	-8.58	4	-16.98	51	3.78	22	0.45	7	-0.09	50	-9.14	37	8.44	15	6.88	41	-9.09	52
6	BH416067	-39.15	72	-35.05	58	-24.08	22	0.31	13	-23.63	50	-26.86	59	-12.48	63	-19.8	56	-9.87	41	3.58	47	-17.53	63
7	BH416215	28.95	7	-4.21	11	-7.14	2	-9.93	30	23.5	7	1.13	6	18.55	22	-8.34	34	33.85	3	2.26	50	4.74	17
8	BLH136	-18.67	56	-4.14	10	-7.57	3	-11.94	36	-10.77	38	-13.05	31	22.93	14	-3.77	19	-9.06	38	13.44	28	6.95	12
9	CAH1511	28.35	8	-25.28	40	-15.77	12	-26.49	65	41.09	3	-2.61	13	38.25	2	-7.85	32	6.01	17	15.7	23	12	7
10	CMH2425	-18.99	59	-31.24	50	-31.49	40	-20.4	58	18.78	14	-20.4	46	4.99	42	-4.12	21	-18.4	53	-8.39	72	-0.08	24
11	CMH2525	12.48	21	-3.68	8	-22.98	20	-4.88	23	24.2	6	-0.66	11	22.4	17	-25.11	62	9.89	13	18.54	16	-5.78	43
12	DH-316	-15.98	54	-20.54	31	-28.02	32	-20.66	59	-29.38	55	-21.09	50	1.17	47	-28.45	65	-23.5	62	-0.87	56	-14.37	59
13	DH-317	-75.96	76	-26.55	43	-40.24	58	-21.08	62	-41.45	63	-39.35	69	-26.32	71	-7.11	29	-18.2	52	-4.6	67	-19.22	65
14	H1013	-32.87	67	-45.76	67	-43.26	65	-31.33	69	-32.9	57	-38.66	68	-35.69	74	-21.45	59	-23	60	5.01	43	-26.59	70
15	HKH-368	-15.36	53	-35.36	59	-56.12	75	-20.81	61	-16.32	44	-32.42	64	-0.34	51	-13.77	46	7.91	16	16.17	22	-8.92	51
16	HKH-369	-34.66	69	-27.18	45	-44.06	67	-6.81	26	-60.21	73	-34.82	67	-16.83	67	-9.42	39	-16.7	50	31.25	3	-15.95	60
17	HT18607	1.95	35	-18.44	28	-26.98	30	2.2	10	32.38	4	-4.59	17	28.67	9	-0.57	13	-1.19	27	7.2	39	9.46	10
18	IH-0965	-70.93	75	-68.53	75	-42.19	61	-36.17	75	-59.62	72	-54.99	76	-50.51	76	-43.75	75	-48.3	76	17.92	17	-45.76	76
19	IH-1604	-9.07	47	-21.24	33	-42.6	62	-16.25	50	-17.72	47	-22.07	53	-3.03	56	-36.66	71	-25.4	64	-22.52	77	-19.06	64
20	IMHL-K-1	10.58	24	-37.36	62	-46.76	70	-9.8	29	-3.15	30	-20.63	48	-8.24	60	2.2	6	0.55	24	26.64	6	-6.69	45
21	IMHL-K-2	-9.66	48	-11.53	17	-31.16	38	7.94	8	-10.1	37	-11.81	28	3.86	45	-16.54	48	-12.3	45	13.1	29	-7.22	47
22	IMHL-K-3	-36.45	70	-21.01	32	-24.98	24	-20.66	60	-34.46	58	-26.61	58	-1.62	53	-3.31	18	-5.34	32	-7.95	70	-3.7	39
23	IMHSB-18K-03	-18.74	57	-36.41	60	-39.99	56	-19.92	57	-40.08	61	-30.27	62	-24.31	70	-20.55	57	2.17	20	-2.69	59	-24.44	69
24	IMHSB-18K-04	-7.06	46	-30.31	48	-48.68	73	-15.29	48	-7.21	32	-21.87	52	10.48	34	-3.17	17	-9.59	40	-3.18	60	-1.88	30
25	IMHSB-18K-07	19.96	12	-27.1	44	-36.2	51	18.36	1	-44.49	66	-11.75	27	-3.08	57	-29.81	67	-1.6	28	13.73	26	-20.58	66
26	IMHSB-18K-10	-18.35	55	-56.83	71	-48.73	74	-35.35	73	-41.33	62	-40.29	70	-26.99	72	-35.84	70	-37.4	70	-0.6	55	-34.21	75
27	IMHSB-18K-11	12.79	19	-17.1	23	-25.62	27	-22.66	63	-13.87	41	-12.52	30	-0.35	52	1.21	9	-9	37	15.49	24	-0.28	28
28	IMHSB-18K-12	-19.14	60	-22.62	38	-28.76	35	-12.77	41	-16.73	45	-22.82	54	-10.29	61	-10.14	40	-28.3	66	-14.32	75	-7.58	48

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabo_BH		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-22.79	63	-13.18	19	-22.02	17	8.99	7	-48.73	70	-19.01	42	19.24	21	-42.12	73	-4.47	31	28.88	4	-12.84	58
30	IMHSB-18K-14	4.68	31	-27.33	46	-38.41	54	-12.07	37	-17.13	46	-19.32	44	9.78	35	-17.26	51	1.7	21	20.09	11	-3.4	38
31	IMHSB-18K-15	-6.02	41	-31.81	52	-33.52	44	2.05	11	10.99	17	-14.25	36	13.16	29	-9.21	38	-23.5	61	-3.99	63	2.7	19
32	IMHSB-18K-16	-33.21	68	-54.11	70	-43.97	66	-17.16	52	-66.71	76	-40.29	71	-15.94	64	-48.62	76	-33.6	69	-14.4	76	-32.95	73
33	IMHSB-18K-18	-28.84	66	-33.47	55	-41.81	60	-17.29	54	-35.21	59	-33.71	66	13.19	28	2.78	3	-41.2	73	8.81	36	5.09	15
34	IMHSB-18K-2	-10.75	49	-22.07	36	-35.64	49	-12.17	39	19.62	12	-11.98	29	6.89	39	-12.09	45	-38.5	71	24.29	8	-4.01	41
35	IMHSB-18K-5	-21.56	62	-31.18	49	-30.2	36	1.67	12	19.29	13	-13.82	33	-2.33	54	-7.83	31	-5.97	33	19.42	12	-9.85	55
36	IMHSB-18K-6	-15.1	52	-17.49	25	-26.69	29	-6.65	25	-46.48	67	-20.85	49	9.53	36	-25.99	63	-17.5	51	-0.23	54	-10.24	57
37	IMHSB-18K-8	19.4	13	-16.03	21	-10.45	6	-1.72	18	2.36	23	-3.86	15	18.36	23	-3.81	20	29.87	4	18.91	13	4.87	16
38	IMHSB-18K-9	37.88	5	-2.35	7	-28.14	33	-33.51	71	-25.12	54	-9.08	23	-2.89	55	-29.15	66	-21.5	58	1.51	51	-17.25	61
39	IMHVS-001	0.09	37	-22.54	37	-20.25	14	-13.88	45	1.25	24	-13.88	34	25.43	10	-16.61	49	14.98	12	9.4	35	0.7	22
40	IMHVS-002	4.36	33	-32.25	54	-35.49	48	-5.91	24	-19.72	48	-19.52	45	21.91	18	-30.56	68	4.69	18	-3.4	61	-2.84	36
41	INDAM 1118	17.16	16	2.1	4	-37.76	53	-7.87	27	-25.11	53	-9.52	24	-20.29	69	-1.38	15	18.57	11	26.7	5	-8.18	50
42	IS8249(DKC8191)	35.19	6	-3.85	9	-13.95	10	5.69	9	23.25	8	7.65	3	34.53	4	-4.94	25	-10.8	42	-1.49	57	12.28	6
43	IS8425(DKC9194)	19.09	14	-17.57	26	-14.56	11	-0.29	16	43.33	2	4.34	4	59.55	1	2.75	4	-16.2	49	7.66	38	26.04	1
44	IS8640(DKC9198)	39.12	4	-4.7	12	-12.69	9	17.27	2	-8.68	35	7.7	2	9.48	37	1.95	7	59.28	1	5.45	42	5.39	14
45	IS8723(DKC9190)	43.53	2	-34.48	56	-20.15	13	-0.13	15	7.24	21	-0.24	9	24.78	11	8.51	1	20.8	10	-4.4	66	14.13	4
46	JKMH1518	4.42	32	-38.01	64	-36.71	52	-13.88	44	0.79	25	-16.54	39	29.2	8	0.89	10	-7.04	35	18.88	14	11.43	8
47	KMH 17-105	-43.44	73	-59.93	72	-42.71	64	-35.5	74	-31.72	56	-42.57	72	-10.34	62	-48.81	77	-31.9	68	10.65	32	-31.47	72
48	KMH 17-6	-20.09	61	-34.91	57	-42.68	63	-9.64	28	-47.52	69	-31.15	63	-5.93	59	-36.93	72	0.11	25	-10.81	73	-21.55	68
49	KMH-004	24.24	10	-10.44	15	-25.39	26	11.99	5	8.62	20	-0.25	10	2.4	46	-6.24	27	38.84	2	-4.14	64	-2.08	33
50	KNMH-4181	-11.04	50	-40.43	66	-35.82	50	-12.16	38	-7.69	34	-24.39	56	22.66	15	-21.39	58	-38.9	72	17.44	20	-3.85	40
51	KNMH-4182	-6.1	42	-62.66	74	-57.55	76	-11.73	32	-5.56	31	-29.64	61	-18.54	68	-4.87	24	-47.1	75	17.07	21	-17.37	62
52	KNMH-4183	6.01	29	-17.41	24	-21.66	15	-1.48	17	-11.73	40	-10.67	25	-15.96	65	-4.84	23	-18.8	54	38.75	1	-9.57	54
53	KNMH-4184	-6.29	44	-28.14	47	-39.38	55	-4.43	22	-7.38	33	-20.5	47	13.25	27	3.24	2	3.94	19	4.45	46	3.1	18
54	LMH 1217	11.81	22	-21.72	34	-22.45	18	-15.42	49	28.55	5	-7	19	0.87	48	-4.67	22	-3.55	30	18.85	15	-6.19	44
55	LMH 1417	10.95	23	-53.6	69	-26.64	28	-14.44	46	0.01	26	-19.09	43	14.54	26	-7.21	30	-24.2	63	-6.73	69	-2.4	35
56	LMH 3117	-25.2	64	-37.52	63	-35.06	46	-29.21	67	-35.84	60	-32.57	65	4.36	43	-42.43	74	-9.27	39	17.9	18	-20.78	67

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabo_BH		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-6.8	45	-18.99	29	-10.97	7	-34.73	72	9.13	19	-14.81	37	16.2	25	-0.82	14	-28.6	67	33.85	2	9.33	11
58	MM9309	54.15	1	-25.98	42	-8.58	5	-10.33	31	57.87	1	8.77	1	22.41	16	-10.59	43	22.72	8	11.92	31	6.09	13
59	MMH-1708	3.01	34	-36.87	61	-41.23	59	-18.85	56	-47.38	68	-26.16	57	9.17	38	-11.97	44	-21.4	57	-4.95	68	-2.9	37
60	MMH18-11	-37.09	71	-60.93	73	-45.67	68	-31.6	70	-56.01	71	-44.89	73	-38.72	75	-24.59	61	-15	47	-13.42	74	-33.7	74
61	MMH18-12	-57.87	74	-38.98	65	-46.28	69	-30.71	68	-61.19	74	-46.59	75	-33.29	73	-18.88	55	-27.5	65	9.44	34	-26.63	71
62	NAVNEET	-26.85	65	-84.98	77	-46.81	71	-26.91	66	-41.96	64	-46.26	74	-16.81	66	1.49	8	-12.4	46	22.33	9	-10.05	56
63	OMH 17-47	23.35	11	-11.42	16	-12.02	8	-11.74	33	14.95	16	-1.66	12	30.91	6	-0.35	12	-7.11	36	-4.32	65	15.27	2
64	PM18107M	9.85	27	10.81	2	-28.23	34	-3.52	21	-9.21	36	-4.15	16	12.53	30	-10.53	42	21.13	9	12.74	30	-2.27	34
65	PM18108M	10.1	26	-16.45	22	-31.08	37	15.22	3	22.67	9	-3.33	14	17.94	24	-17.75	52	1.2	23	10.23	33	-0.16	26
66	RCRMH7(ZH138388)	16.85	17	-31.36	51	-24.15	23	-2.85	20	16.41	15	-8.7	22	33.23	5	-2.53	16	25.19	7	17.48	19	14.48	3
67	RCRMH9(CAH1713)	-12.05	51	-21.84	35	-21.86	16	-18.1	55	-43.61	65	-21.86	51	-3.68	58	-15.1	47	-15.1	48	3.32	48	-6.95	46
68	SYN816604	15.43	18	23.27	1	-31.42	39	-2.02	19	-2.38	29	2.14	5	35.12	3	-5.78	26	8.86	14	0.86	52	10.5	9
69	TMMH886	-93.17	77	-74.67	76	-67.76	77	-47.45	77	-88	77	-74.36	77	.	.	-32.69	69	-45	74	6.9	40	.	.
70	TS2506	-6.19	43	-25.92	41	-32.64	42	-11.77	34	-11.04	39	-16.02	38	6.62	40	-18.7	53	-12	44	4.53	45	-5.3	42
71	TUFAN	12.54	20	-15.36	20	-31.78	41	-12.36	40	21.23	11	-7.23	20	30.06	7	2.47	5	-6.07	34	15.49	25	13.06	5
72	VH11130	-5.98	40	-1.14	6	-27.56	31	-13.28	42	-22.47	49	-11.17	26	21.26	19	-18.82	54	-1.62	29	24.38	7	-2.01	31
73	VaMH 15015	-18.9	58	-19.37	30	-25.3	25	-11.8	35	10.49	18	-13.74	32	23.25	13	-22.96	60	-19.4	55	7.76	37	-0.22	27
74	ZH161032	-1.82	39	-4.51	12	-10.55	7	-8.43	28	13.88	17	-4.54	17	34.13	5	-15.72	48	29.57	5	1.86	51	4.81	17
75	DHM -117 (FILLER)	5.42	30	-52.51	68	-48.04	72	-24.26	64	-1.44	28	-27.45	60	4.24	44	-8.58	35	-56.7	77	-8.32	71	-8.17	49
76	BIO 9544 (C)	10.25	25	-17.64	27	-34.19	45	-13.59	43	21.68	10	-7.61	21	11.3	33	-10.22	41	26.81	5	13.6	27	2.35	20
77	CMH-08-292 (C)	0	38	0	5	0	1	0	14	0	27	0	8	0	49	0	11	0	26	0	53	0	23
78	DHM-121 (C)	8.98	28	-23.72	39	-40.05	57	9.29	6	-15.31	42	-14.09	35	19.69	20	-8.25	33	1.48	22	4.67	44	1.3	21

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-39.55	72	4.43	12	-20.66	49	6.93	12	-1.54	17	-4.23	16	-14.78	44	-9.57	44	-7.94	47
2	AH 4271	-35.83	67	-0.52	20	-6.23	24	20.23	2	5.1	4	1.22	5	0.87	17	2.37	30	-5.07	40
3	AH8070	-34.75	65	-4.72	31	-9.89	31	1.44	22	-4.98	29	-0.56	10	-7.02	28	6.4	19	3.43	16
4	AH8071	0.39	11	-11.32	56	-1.47	17	0.34	23	-4.82	28	-4.41	19	-11.6	36	-26.49	65	-21.32	60
5	BH416032	-40.54	75	3.05	13	-7.64	26	-11.75	56	-5.86	33	-15.5	57	0.45	18	-1.18	36	-6.09	43
6	BH416067	6.76	5	-4.58	30	-16.23	38	-9.57	52	-10.07	44	-5.68	21	-12.62	40	-12.93	46	-17.37	55
7	BH416215	-9.17	24	-2.12	23	-5.46	21	17.26	4	3.15	6	-10.37	39	-7.23	29	25.67	7	20.66	1
8	BLH136	-7.15	22	11.71	4	-7.69	28	5.04	17	-0.96	14	-14.59	53	-13.35	41	10.58	16	19.75	3
9	CAH1511	-37.42	68	-12.02	59	-8.14	29	5.29	14	-5.11	30	-5.09	20	12.47	5	38.94	5	8.21	9
10	CMH2425	-21.96	45	11.6	5	-17.65	43	-0.81	28	-3.08	20	-17.05	62	-0.14	22	3.73	27	-3.62	34
11	CMH2525	-33.93	63	-5.65	36	-3.46	19	-13.1	57	-7.63	39	-9.11	31	6.94	10	15	11	-9.04	49
12	DH-316	-27.88	53	-6.94	39	-28.07	59	-9.99	54	-13.45	55	-9.64	35	-21.54	58	-15.43	49	-2.2	30
13	DH-317	-9.87	26	-22.24	74	-33.6	65	-30.6	75	-27.24	75	-33.84	74	-51.08	74	-21.99	60	-18.66	57
14	H1013	-25.63	49	-10.29	52	-54.25	74	-15.02	60	-28.61	76	-39.27	75	-35.55	66	-21.7	59	-17.32	54
15	HKH-368	9.9	3	12.85	3	-22.91	52	-3.04	36	-3.76	24	-6.38	22	-36.37	68	-16.86	54	-25.4	64
16	HKH-369	-19.1	41	6.89	8	-25.86	57	-14.52	59	-11.2	50	-19	64	-52.03	75	-8.43	43	-29.41	69
17	HT18607	11.85	1	-7.23	40	0.79	11	4.69	19	-1.43	16	-15.56	59	0.24	19	33.11	6	7.07	12
18	IH-0965	-26.37	51	-13.17	61	-57.64	76	-0.14	25	-22.06	69	-27.9	72	-66.97	77	-33.22	69	-30.73	71
19	IH-1604	-21.23	44	-3.01	29	-37.39	67	-27.52	74	-22.81	71	-11.72	43	-27.94	63	-29.81	66	-0.68	28
20	IMHL-K-1	-9.97	27	-10.74	53	-17.1	42	-9.66	53	-11.5	52	-10.97	41	-22.79	60	-16.74	52	-18.78	58
21	IMHL-K-2	3.37	9	8.71	6	-6.19	23	-4.12	37	-1.19	15	-4.29	17	-11.83	37	-5.16	41	-6.65	45
22	IMHL-K-3	-19.32	42	-2.23	25	-1.18	16	-4.48	38	-4.56	25	-6.56	23	-5.26	26	-18.74	56	-23.58	62
23	IMHSB-18K-03	-18.27	38	-11.23	55	-18.73	45	-2.69	33	-11.22	51	-8.59	30	-30.72	64	-49.49	77	-27.82	66
24	IMHSB-18K-04	-60.64	77	0.18	16	-25.02	54	4.92	18	-8.53	42	-14.33	51	-8.62	31	-14.21	48	-6.27	44
25	IMHSB-18K-07	-23.04	46	-8.03	42	-16.45	39	-2.58	32	-7.45	36	-9.93	36	-21.59	59	-23.76	63	-23.72	63
26	IMHSB-18K-10	-30.72	60	-2.71	27	-50.05	72	13.48	6	-15.6	59	-21.64	66	-35.57	67	-38.44	70	-13.66	53
27	IMHSB-18K-11	-14.56	34	-14.26	63	-25.58	56	-25.91	72	-19.59	67	-23.96	69	-18.97	53	-22.07	61	-9.12	50
28	IMHSB-18K-12	-16.76	36	-9.43	49	-38.52	68	-17.22	63	-22.35	70	-12.59	48	1.29	13	-0.73	34	-4.12	35

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-8.49	23	-5.39	35	-23.89	53	-18.14	65	-16.99	62	0.89	6	-18.38	50	-32.85	68	-19.86	59
30	IMHSB-18K-14	-26.16	50	-0.52	19	-5.79	22	-4.48	39	-4.69	27	-12.37	46	4.07	12	4.93	24	-4.82	38
31	IMHSB-18K-15	-39.54	71	-1.14	22	-28.18	60	-2.18	31	-10.69	46	-10.06	38	0.98	15	-16.31	51	-4.31	37
32	IMHSB-18K-16	-7.11	21	-20.69	73	-20.34	48	-20.52	66	-19.52	66	-8.12	27	-40.94	70	-44.91	75	-32.94	72
33	IMHSB-18K-18	4.9	6	-13.28	62	-35.98	66	25.71	1	-9.9	43	-14.6	54	-25.95	61	1.62	32	20.39	2
34	IMHSB-18K-2	-38.05	69	-12.36	60	-38.96	69	-23.34	71	-23.91	73	-4.33	18	-17.79	48	11.32	14	-2.07	29
35	IMHSB-18K-5	-39.8	74	-16.8	68	-1.07	15	-26.92	73	-14.85	58	-15.53	58	-10.93	34	-1.23	37	5.05	15
36	IMHSB-18K-6	-4.67	18	-6	38	-7.29	25	-40.92	76	-16.65	61	-7.78	25	-14.51	43	-19.39	57	-28.75	67
37	IMHSB-18K-8	-31.95	62	-5.16	32	-12.69	33	5.17	16	-6.04	35	-11.36	42	8.36	9	2.13	31	0.75	21
38	IMHSB-18K-9	-17.36	37	-10.22	51	-25.56	55	5.19	15	-8	40	-10.52	40	-11.25	35	-15.69	50	-22.49	61
39	IMHVS-001	10.98	2	-15.89	67	-7.65	27	-22.28	68	-12.08	54	-3.8	14	-10	33	-9.79	45	-3.16	32
40	IMHVS-002	4.08	8	-16.92	69	-4.84	20	-14.24	58	-11.08	49	-9.63	34	-18.65	51	-22.34	62	-30	70
41	INDAM 1118	-1.46	15	-14.99	64	11.97	4	13.17	7	2.6	7	0.73	7	-12.43	39	-19.39	58	-12.57	52
42	IS8249(DKC8191)	-28.87	55	-15.8	66	3.51	8	-6.39	46	-3.74	23	16.28	1	-15.18	45	13.42	13	8.11	10
43	IS8425(DKC9194)	-39.7	73	-2.55	26	25.59	2	-0.52	26	7.54	2	-7.27	24	-0.93	23	3.53	28	16.51	4
44	IS8640(DKC9198)	-28.9	56	1.45	15	-13.03	34	-22.97	70	-11.64	53	2.46	4	16.84	4	45.88	2	1.52	18
45	IS8723(DKC9190)	-24.57	48	-29.16	76	29.02	1	-8.88	51	0.83	12	-8.22	28	18.63	3	42.46	3	5.73	13
46	JKMH1518	-20.16	43	-11.86	57	-13.5	35	-7.92	49	-13.48	56	5.12	3	-12.12	38	50.94	1	13.27	7
47	KMH 17-105	-28.11	54	-19.95	72	-49.44	71	-2.75	34	-24.09	74	-12.58	47	-50.48	73	-25.55	64	-28.89	68
48	KMH 17-6	-29.32	57	-0.38	18	-20.15	47	-16.99	62	-13.74	57	-23.97	70	-33.48	65	-38.53	71	-34.97	74
49	KMH-004	4.7	7	-5.79	37	14.96	3	-6.21	44	1.44	10	8.42	2	-5.92	27	-3.52	39	-5.99	42
50	KNMH-4181	-49.01	76	29.95	1	-29.15	62	19.33	3	3.71	5	-23.2	67	1.27	14	3.78	26	-0.13	25
51	KNMH-4182	-38.87	70	-15.62	65	-54.75	75	8.79	10	-19.27	65	-11.93	44	-18.3	49	4.34	25	-4.99	39
52	KNMH-4183	-11.85	29	2.57	14	-17.03	41	-21.84	67	-10.73	47	-2.19	12	-8.92	32	6.01	21	10.92	8
53	KNMH-4184	0.64	10	5.01	11	-13.8	36	-15.5	61	-7.45	37	-7.78	26	-19.01	54	6.26	20	-3.28	33
54	LMH 1217	-5.34	19	5.01	10	-21.3	51	2.15	21	-5.36	32	-16.68	60	12.23	6	11.1	15	7.63	11
55	LMH 1417	-18.94	40	-19.46	71	-9.65	30	-7.41	47	-8.35	41	-17.04	61	0.23	20	-0.9	35	-7.11	46
56	LMH 3117	0.11	12	-8.84	44	-41.36	70	-17.42	64	-20.23	68	-12.8	49	-39.73	69	-40.6	73	-37.65	75

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-15.5	35	-5.37	34	-14.08	37	-6.13	43	-7.57	38	-12.31	45	-7.52	30	-1.9	38	-2.61	31
58	MM9309	-0.35	14	-2.84	28	6.67	6	-7.62	48	-2.6	18	-8.38	29	27.41	2	-6.86	42	5.53	14
59	MMH-1708	-18.88	39	-11.89	58	-17.78	44	-5.8	41	-10.87	48	-9.48	32	-19.36	55	-30.24	67	-25.58	65
60	MMH18-11	-5.66	20	-9.25	48	-27.89	58	-22.92	69	-17.75	63	-50.53	77	-50.24	72	-45.92	76	-53.4	77
61	MMH18-12	-12.91	31	-27.86	75	-19.03	46	-1.09	29	-15.71	60	-43.07	76	-41.36	71	-43.08	74	-34.61	73
62	NAVNEET	-14.48	33	-11.22	54	-32.06	63	-1.18	30	-10.49	45	-19.34	65	-20.13	56	-4.13	40	-4.23	36
63	OMH 17-47	-13.58	32	6.78	9	6.13	7	16.1	5	7.79	1	-14.32	50	28.57	1	42.3	4	14.54	6
64	PM18107M	-30.3	58	-8.27	43	2.16	9	10.47	8	2.06	8	-14.54	52	-18.82	52	15.8	10	0.8	20
65	PM18108M	-12	30	-5.21	33	-12.16	32	4.12	20	-2.84	19	-14.62	55	-13.79	42	5.75	22	-8.45	48
66	RCRMH7(ZH138388)	-34.01	64	19.85	2	-1.03	14	6.98	11	6.5	3	-17.56	63	-3.55	24	19.97	8	16.47	5
67	RCRMH9(CAH1713)	-30.49	59	-19.05	70	-33.48	64	-5.93	42	-18.51	64	-14.64	56	-16.17	46	-18.33	55	-17.57	56
68	SYN816604	8.84	4	-9.6	50	9.46	5	-0.73	27	1.07	11	-3.72	13	8.77	8	14.69	12	0.24	22
69	TMMH886	-10.06	28	-46.06	77	-64.44	77	-41.33	77	-53.2	77	-33.34	73	-66.15	76	-39.42	72	-46.16	76
70	TS2506	-9.22	25	-9.05	45	-20.82	50	-2.88	35	-5.13	31	-9.57	33	8.92	7	-16.85	53	-11.81	51
71	TUFAN	-2.77	17	-0.93	21	1.07	10	9.22	9	2.05	9	-10.01	37	5.4	11	8.35	18	0.07	23
72	VH11130	-35.62	66	-9.15	47	-1.98	18	-11.1	55	-4.66	26	-1.98	11	-4.22	25	2.98	29	3.26	17
73	VaMH 15015	-23.67	47	-2.13	24	-0.78	13	-8.1	50	-5.99	34	-4.2	15	-16.43	47	18.39	9	-0.56	26
74	ZH161032	-18.63	39	3.41	13	15.67	3	-3.83	37	4.21	5	-7.83	27	3.3	13	22.09	8	12.09	8
75	DHM -117 (FILLER)	-27.04	52	-7.46	41	-54.21	73	-6.22	45	-23.03	72	-27.72	71	-26.25	62	9.29	17	-5.91	41
76	BIO 9544 (C)	-1.98	16	-9.05	46	-16.64	40	-5.35	40	-3.72	22	-0.11	9	-20.58	57	-13.47	47	-0.6	27
77	CMH-08-292 (C)	0	13	0	17	0	12	0	24	0	13	0	8	0	21	0	33	0	24
78	DHM-121 (C)	-31.44	61	7.65	7	-29.07	61	5.62	13	-3.51	21	-23.38	68	0.97	16	5.33	23	0.81	19

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	14.94	1	13.82	42	-41.11	65	-4.91	21	-16.84	55	-6.63	44	-7.99	38
2	AH 4271	-19.11	51	18.85	33	-31	39	-8.04	33	-3.89	35	0.84	17	-3.77	25
3	AH8070	-16.2	40	38.01	4	-12.97	8	-21.32	68	-15.42	52	1.92	14	-1.57	17
4	AH8071	7.64	6	33.88	6	-33.88	47	-1.69	14	12.85	5	-3.78	38	-9.09	43
5	BH416032	-1.88	13	23.12	24	-16.36	15	-21.31	67	-29.52	75	-6.87	45	-5.01	29
6	BH416067	-15.32	39	-18.07	69	-29.46	38	-4.83	20	-19.6	60	-15.54	62	-17.79	62
7	BH416215	9.92	5	18.85	34	-31.34	41	-11.09	42	-10.29	41	-0.61	26	0.93	11
8	BLH136	-10.25	28	12.44	46	-29.4	37	7.4	2	-3.75	33	-0.68	27	-3.17	20
9	CAH1511	-23.59	60	38.99	2	-16.3	14	-15.49	52	6.85	13	11.96	2	4.69	6
10	CMH2425	-8.34	25	24.61	22	-39.29	61	-1.4	13	4.38	17	-0.45	25	-6.3	34
11	CMH2525	-13.43	34	21.91	26	-37.09	57	-6.72	26	-2.23	30	2.27	12	-1.36	16
12	DH-316	-14.19	37	-15.1	67	-38.17	59	-0.19	9	-10.66	43	-10.69	57	-14.34	57
13	DH-317	-39.15	76	-18.38	70	-15.32	13	-58.46	77	-24.8	68	-32.88	74	-32.24	74
14	H1013	-28.16	71	-20.21	71	-47.51	72	-8.68	35	-36.2	77	-27.46	71	-30.43	71
15	HKH-368	-23.8	62	19.55	31	-36.57	55	8.76	1	-20.94	65	-13.97	60	-16.46	59
16	HKH-369	-7.02	21	3.15	59	-36.82	56	-22.76	71	-12.59	46	-21.49	66	-22.38	66
17	HT18607	0.1	9	24.88	21	-23.76	26	-0.12	8	7.69	11	5.66	9	1.7	9
18	IH-0965	-25.86	68	-54.54	76	-54.53	75	-19.58	64	-27.22	71	-38.19	75	-40.01	76
19	IH-1604	-33.61	74	9.64	49	-44.57	70	-20.58	66	-19.72	62	-16.11	64	-19.45	63
20	IMHL-K-1	-0.23	11	18.6	37	-43.41	69	-7.4	31	2.17	21	-9.59	54	-12.85	51
21	IMHL-K-2	-4.56	17	-0.59	63	-25.5	30	-14.95	51	-13.65	48	-8.84	50	-7.9	37
22	IMHL-K-3	-13.1	33	15.99	40	-32.99	44	-35.91	75	-8.68	40	-10.18	56	-12.54	50
23	IMHSB-18K-03	-25.55	65	21.73	27	-35.15	50	-16.02	56	-8.58	39	-16.77	65	-19.97	65
24	IMHSB-18K-04	-12.12	30	20.27	29	-32.25	42	-15.7	53	-19.71	61	-8.5	48	-11.4	48
25	IMHSB-18K-07	-13.88	35	12.89	44	-36.56	54	-11.52	44	-20.42	63	-13.96	59	-12.91	52
26	IMHSB-18K-10	-17.68	47	5.81	54	-40.81	63	-17.15	59	-19.05	58	-21.66	67	-26.55	69
27	IMHSB-18K-11	11.68	3	2.24	60	-34.27	49	-13.79	48	-24.29	67	-16.04	63	-14.56	58
28	IMHSB-18K-12	-12.33	31	4.1	57	-27.43	32	-2.5	15	-28.41	72	-6.18	43	-13.69	53

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-16.37	42	5.16	56	-37.85	58	4.27	3	31.22	1	-2.88	35	-10.69	45
30	IMHSB-18K-14	-25.63	67	32.34	7	-23.75	25	-14.03	49	13.01	4	2.38	11	-5.28	30
31	IMHSB-18K-15	-2.89	14	18.63	36	-25.13	29	-15.7	54	-23.28	66	-8.53	49	-9.57	44
32	IMHSB-18K-16	-6.62	20	-7.84	66	-35.56	53	-21.5	69	-26.85	70	-25.41	68	-28.85	70
33	IMHSB-18K-18	-0.35	12	9.19	51	-22.82	24	-7.32	30	7.27	12	-2.97	36	-11.37	47
34	IMHSB-18K-2	-14.41	38	17.54	38	-33.95	48	-6.7	25	1.53	22	0.48	18	-8.19	40
35	IMHSB-18K-5	-17.55	46	26.88	16	-13.15	9	-16.04	57	4.92	15	-0.96	29	-8.08	39
36	IMHSB-18K-6	-24.37	64	9	52	-43.13	68	-2.58	16	-15.03	51	-9.99	55	-14.19	55
37	IMHSB-18K-8	-23.78	61	23.19	23	-18.56	17	-1.4	12	4.77	16	0.98	16	-1.6	18
38	IMHSB-18K-9	-16.52	43	28.84	12	-13.39	10	-18.18	62	-20.74	64	-7.96	47	-9.09	42
39	IMHVS-001	-4.2	15	-0.98	64	-35.46	51	-9.35	36	3.73	18	-6.03	42	-8.98	41
40	IMHVS-002	-11.2	29	-2.75	65	-28.58	34	-4.33	19	-16.11	54	-14.8	61	-14.1	54
41	INDAM 1118	-37.6	75	38.56	3	-22.22	22	-10.77	41	-8.41	38	-1.81	33	-3.26	22
42	IS8249(DKC8191)	-16.36	41	25.04	20	-6.7	4	-5.64	22	-3.34	32	4.51	10	4.18	8
43	IS8425(DKC9194)	-4.54	16	40.53	1	-27.7	33	-0.1	7	10.17	9	8.79	6	8.89	1
44	IS8640(DKC9198)	-5.06	18	19.53	32	-15.16	11	-7.06	27	-0.97	28	10.36	3	4.56	7
45	IS8723(DKC9190)	10.96	4	31.8	9	-23.94	27	-7.18	29	2.47	20	13.4	1	7.16	2
46	JKMH1518	12.8	2	25.87	19	-25.64	31	-18.47	63	11.39	8	9.08	5	-2	19
47	KMH 17-105	-24.16	63	-35.05	74	-62.12	76	-9.9	37	-5.46	37	-25.78	69	-30.51	72
48	KMH 17-6	-21.99	56	-16.85	68	-46.1	71	-9.96	40	-33.58	76	-28.22	72	-25.41	67
49	KMH-004	-25.62	66	29.24	11	-1.65	2	-7.85	32	-15.63	53	-0.92	28	-0.48	13
50	KNMH-4181	-20.96	53	5.76	55	-49.12	73	1.46	5	-14.62	50	-4.64	41	-7.9	36
51	KNMH-4182	-22.76	57	0.22	61	-41.79	66	-3.33	17	-10.41	42	-7.16	46	-16.67	61
52	KNMH-4183	-7.07	22	9.85	48	-20.94	21	-16.2	58	-0.78	27	-0.24	24	-5.91	32
53	KNMH-4184	-20.08	52	3.25	58	-22.78	23	-11.32	43	-17.88	57	-9.36	52	-10.87	46
54	LMH 1217	-21.6	55	10.66	47	-50.2	74	-0.69	11	-14.23	49	0.4	19	-3.42	24
55	LMH 1417	-7.41	23	31.88	8	-35.55	52	-7.07	28	-2.55	31	-1.13	31	-7.81	35
56	LMH 3117	-27.22	69	-48.13	75	-40.07	62	3.09	4	-19.22	59	-26.5	70	-26.17	68

Table No. 3 (Contd.) **Gain in Yield(%) over CMH-08-292 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-23.26	59	18.66	35	-32.74	43	-3.48	18	-4.3	36	-0.2	23	-4.33	27
58	MM9309	-5.18	19	28.54	13	-40.84	64	-9.94	38	-3.77	34	6.06	8	5.16	5
59	MMH-1708	-19.06	50	16.09	39	-31.01	40	-6.32	24	-11.81	45	-11.17	58	-14.27	56
60	MMH18-11	-16.78	45	-33.28	73	-28.67	35	-31.46	73	-25.24	69	-40.72	76	-36.62	75
61	MMH18-12	-21.58	54	-32.31	72	-38.88	60	-17.59	60	-17.65	56	-31.56	73	-31.53	73
62	NAVNEET	-27.88	70	26.94	15	-18.05	16	-14.33	50	-28.59	74	-9.47	53	-19.56	64
63	OMH 17-47	-17.75	48	14.95	41	-9.02	5	-24.2	72	-12.71	47	6.67	7	5.72	4
64	PM18107M	-28.91	72	22.53	25	-4.42	3	-12.27	46	1.05	23	-1.02	30	-1.28	15
65	PM18108M	-29.13	73	9.5	50	-19.51	20	-8.31	34	7.8	10	-4.03	39	-3.32	23
66	RCRMH7(ZH138388)	6.76	7	7.31	53	-12.89	7	-20.18	65	11.74	7	1.89	15	1.55	10
67	RCRMH9(CAH1713)	6.46	8	31.6	10	-41.8	67	-0.46	10	6.23	14	-4.57	40	-12.21	49
68	SYN816604	-9.78	26	36.19	5	-18.68	18	-9.94	39	12.27	6	9.35	4	5.84	3
69	TMMH886	-46.28	77	-69.09	77	-79.85	77	-47.14	76	-28.52	73	-48.45	77	.	.
70	TS2506	-12.77	32	26.57	18	-15.18	12	-18.04	61	13.57	3	0.16	21	-6.03	33
71	TUFAN	-18.34	49	13.32	43	-18.78	19	-11.7	45	-11.38	44	-2.09	34	-1.26	14
72	VH11130	-10.16	27	12.71	45	-33.11	45	-12.59	47	0.21	25	0.17	20	-4.18	26
73	VaMH 15015	-7.78	24	26.73	17	-28.73	36	-21.52	70	0.71	24	-1.74	32	-5.68	31
74	ZH161032	-9.44	26	24.95	21	-15.59	14	-6.01	24	-4.36	37	6.44	8	3.1	9
75	DHM -117 (FILLER)	-16.65	44	19.93	30	-24.02	28	-15.81	55	-2.21	29	-8.87	51	-16.67	60
76	BIO 9544 (C)	-13.97	36	20.57	28	-33.27	46	-31.65	74	17.63	2	-3.64	37	-4.47	28
77	CMH-08-292 (C)	0	10	0	62	0	1	0	6	0	26	0	22	0	12
78	DHM-121 (C)	-22.89	58	27.2	14	-11.47	6	-5.78	23	3.71	19	2.21	13	-3.22	21

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-12.47	39	20.58	13	28.18	21	-24.2	53	-11.02	51	-4.86	41	4.18	12	-20.55	64	-21.48	56	-7.98	62	-2.74	29
2	AH 4271	-6.49	36	18.43	14	10.93	43	-21.95	47	-0.99	43	-2.97	40	-6.78	31	-9.28	50	-23.13	59	-2.27	49	-10.34	53
3	AH8070	30.91	3	-11.17	53	28.47	19	3.27	4	-11.19	52	8.61	18	-11.09	41	1.46	28	-12.65	43	15.85	10	-1.39	25
4	AH8071	14.09	9	14.85	18	8.1	47	-43	76	-60	75	-10.5	55	-6.9	32	-0.91	36	23.57	6	-6.94	58	-3.31	32
5	BH416032	8.2	15	43.88	3	52.5	4	-24.03	51	22.53	22	16.91	7	-16.53	50	-0.97	37	6.86	15	2.11	41	-10.26	52
6	BH416067	-44.16	72	-14.85	58	26.64	22	-8.22	13	-9.82	50	-14.87	59	-26.88	63	-12.59	56	-11.19	41	-1.03	47	-18.59	63
7	BH416215	18.33	7	25.57	11	54.89	2	-17.59	30	45.82	7	17.72	6	-0.96	22	-0.1	34	31.91	3	-2.3	50	3.39	17
8	BLH136	-25.37	56	25.67	10	54.17	3	-19.43	36	5.35	38	1.21	31	2.7	14	4.88	19	-10.38	38	8.38	28	5.57	12
9	CAH1511	17.78	8	-2.05	40	40.5	12	-32.74	65	66.59	3	13.36	13	15.5	2	0.43	32	4.46	17	10.54	23	10.56	7
10	CMH2425	-25.66	59	-9.85	50	14.27	40	-27.17	58	40.25	14	-7.35	46	-12.29	42	4.5	21	-19.57	53	-12.47	72	-1.37	24
11	CMH2525	3.22	21	26.27	8	28.47	20	-12.97	23	46.65	6	15.62	11	2.26	17	-18.38	62	8.29	13	13.25	16	-6.99	43
12	DH-316	-22.9	54	4.16	31	20.07	32	-27.41	59	-16.62	55	-8.16	50	-15.48	47	-22.01	65	-24.62	62	-5.29	56	-15.47	59
13	DH-317	-77.94	76	-3.71	43	-0.32	58	-27.79	62	-30.87	63	-29.41	69	-38.44	71	1.24	29	-19.42	52	-8.86	67	-20.25	65
14	H1013	-38.4	67	-28.89	67	-5.36	65	-37.17	69	-20.77	57	-28.61	68	-46.27	74	-14.38	59	-24.15	60	0.33	43	-27.54	70
15	HKH-368	-22.33	53	-15.25	59	-26.81	75	-27.54	61	-1.19	44	-21.34	64	-16.74	51	-6.02	46	6.34	16	10.99	22	-10.09	51
16	HKH-369	-40.04	69	-4.54	45	-6.69	67	-14.73	26	-53.02	73	-24.14	67	-30.51	67	-1.28	39	-17.87	50	25.4	3	-17.03	60
17	HT18607	-6.45	35	6.92	28	21.8	30	-6.49	10	56.31	4	11.06	17	7.5	9	8.37	13	-2.63	27	2.43	39	8.05	10
18	IH-0965	-73.33	75	-58.74	75	-3.58	61	-41.6	75	-52.32	72	-47.61	76	-58.65	76	-38.7	75	-49.03	76	12.67	17	-46.45	76
19	IH-1604	-16.56	47	3.25	33	-4.25	62	-23.37	50	-2.84	47	-9.3	53	-18.98	56	-30.97	71	-26.45	64	-25.97	77	-20.1	64
20	IMHL-K-1	1.47	24	-17.88	62	-11.2	70	-17.47	29	14.35	30	-7.62	48	-23.34	60	11.39	6	-0.91	24	21	6	-7.89	45
21	IMHL-K-2	-17.11	48	15.98	17	14.82	38	-1.24	8	6.15	37	2.65	28	-13.23	45	-9.04	48	-13.6	45	8.06	29	-8.41	47
22	IMHL-K-3	-41.69	70	3.55	32	25.14	24	-27.41	60	-22.62	58	-14.58	58	-17.81	53	5.38	18	-6.72	32	-12.06	70	-4.94	39
23	IMHSB-18K-03	-25.43	57	-16.64	60	0.09	56	-26.73	57	-29.25	61	-18.84	62	-36.77	70	-13.41	57	0.69	20	-7.02	59	-25.41	69
24	IMHSB-18K-04	-14.71	46	-8.65	48	-14.39	73	-22.5	48	9.56	32	-9.06	52	-7.7	34	5.53	17	-10.91	40	-7.5	60	-3.14	30
25	IMHSB-18K-07	10.08	12	-4.43	44	6.42	51	8.3	1	-34.46	66	2.71	27	-19.03	57	-23.5	67	-3.03	28	8.66	26	-21.6	66
26	IMHSB-18K-10	-25.08	55	-43.41	71	-14.49	74	-40.84	73	-30.73	62	-30.5	70	-39.01	72	-30.07	70	-38.34	70	-5.03	55	-35.06	75
27	IMHSB-18K-11	3.5	19	8.68	23	24.06	27	-29.23	63	1.7	41	1.83	30	-16.75	52	10.3	9	-10.32	37	10.35	24	-1.56	28
28	IMHSB-18K-12	-25.8	60	1.44	38	18.82	35	-20.18	41	-1.68	45	-10.17	54	-25.05	61	-2.06	40	-29.32	66	-18.14	75	-8.77	48

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	-29.15	63	13.82	19	30.07	17	-0.28	7	-39.47	70	-5.74	42	-0.38	21	-36.92	73	-5.86	31	23.14	4	-13.96	58
30	IMHSB-18K-14	-3.95	31	-4.73	46	2.74	54	-19.55	37	-2.15	46	-6.09	44	-8.28	35	-9.82	51	0.22	21	14.73	11	-4.65	38
31	IMHSB-18K-15	-13.76	41	-10.6	52	10.88	44	-6.63	11	31.06	17	-0.19	36	-5.46	29	-1.04	38	-24.6	61	-8.27	63	1.38	19
32	IMHSB-18K-16	-38.72	68	-39.84	70	-6.55	66	-24.2	52	-60.69	76	-30.5	71	-29.78	64	-44	76	-34.52	69	-18.22	76	-33.81	73
33	IMHSB-18K-18	-34.71	66	-12.79	55	-2.94	60	-24.32	54	-23.49	59	-22.84	66	-5.44	28	12.02	3	-42.03	73	3.96	36	3.74	15
34	IMHSB-18K-2	-18.11	49	2.17	36	7.36	49	-19.64	39	41.24	12	2.45	29	-10.7	39	-4.18	45	-39.35	71	18.75	8	-5.24	41
35	IMHSB-18K-5	-28.02	62	-9.79	49	16.42	36	-6.97	12	40.86	13	0.31	33	-18.4	54	0.46	31	-7.34	33	14.1	12	-11	55
36	IMHSB-18K-6	-22.09	52	8.16	25	22.28	29	-14.59	25	-36.8	67	-7.88	49	-8.49	36	-19.34	63	-18.72	51	-4.68	54	-11.39	57
37	IMHSB-18K-8	9.56	13	10.08	21	49.37	6	-10.08	18	20.86	23	11.91	15	-1.12	23	4.83	20	27.98	4	13.6	13	3.53	16
38	IMHSB-18K-9	26.52	5	28.01	7	19.86	33	-39.17	71	-11.58	54	5.83	23	-18.87	55	-22.78	66	-22.6	58	-3.02	51	-18.31	61
39	IMHVS-001	-8.15	37	1.54	37	33.02	14	-21.21	45	19.55	24	0.23	34	4.79	10	-9.12	49	13.31	12	4.52	35	-0.59	22
40	IMHVS-002	-4.24	33	-11.19	54	7.6	48	-13.91	24	-5.21	48	-6.32	45	1.85	18	-24.32	68	3.16	18	-7.7	61	-4.08	36
41	INDAM 1118	7.51	16	33.85	4	3.81	53	-15.71	27	-11.58	53	5.31	24	-33.41	69	7.48	15	16.85	11	21.06	5	-9.36	50
42	IS8249(DKC8191)	24.05	6	26.05	9	43.54	10	-3.3	9	45.52	8	25.3	3	12.39	4	3.61	25	-12.1	42	-5.88	57	10.83	6
43	IS8425(DKC9194)	9.27	14	8.07	26	42.51	11	-8.76	16	69.24	2	21.44	4	33.3	1	11.98	4	-17.38	49	2.86	38	24.42	1
44	IS8640(DKC9198)	27.66	4	24.94	12	45.64	9	7.3	2	7.82	35	25.36	2	-8.54	37	11.11	7	56.97	1	0.75	42	4.04	14
45	IS8723(DKC9190)	31.7	2	-14.11	56	33.19	13	-8.62	15	26.63	21	16.11	9	4.25	11	18.27	1	19.04	10	-8.66	66	12.66	4
46	JKMH1518	-4.19	32	-18.73	64	5.57	52	-21.2	44	19	25	-2.86	39	7.94	8	9.96	10	-8.4	35	13.58	14	10	8
47	KMH 17-105	-48.1	73	-47.48	72	-4.44	64	-40.98	74	-19.38	56	-33.15	72	-25.09	62	-44.21	77	-32.84	68	5.72	32	-32.35	72
48	KMH 17-6	-26.67	61	-14.67	57	-4.39	63	-17.32	28	-38.03	69	-19.87	63	-21.41	59	-31.26	72	-1.35	25	-14.78	73	-22.55	68
49	KMH-004	14.01	10	17.4	15	24.45	26	2.47	5	28.25	20	16.11	10	-14.45	46	2.19	27	36.82	2	-8.42	64	-3.34	33
50	KNMH-4181	-18.37	50	-21.91	66	7.05	50	-19.63	38	8.99	34	-12	56	2.48	15	-14.32	58	-39.81	72	12.21	20	-5.09	40
51	KNMH-4182	-13.84	42	-51.05	74	-29.19	76	-19.23	32	11.51	31	-18.11	61	-31.94	68	3.68	24	-47.9	75	11.86	21	-18.43	62
52	KNMH-4183	-2.72	29	8.27	24	30.68	15	-9.86	17	4.23	40	3.98	25	-29.78	65	3.72	23	-19.98	54	32.57	1	-10.74	54
53	KNMH-4184	-14.01	44	-5.79	47	1.11	55	-12.55	22	9.36	33	-7.46	47	-5.38	27	12.52	2	2.43	19	-0.21	46	1.78	18
54	LMH 1217	2.6	22	2.61	34	29.35	18	-22.61	49	51.78	5	8.24	19	-15.72	48	3.9	22	-4.95	30	13.56	15	-7.39	44
55	LMH 1417	1.81	23	-39.18	69	22.37	28	-21.71	46	18.09	26	-5.83	43	-4.31	26	1.13	30	-25.26	63	-10.89	69	-3.66	35
56	LMH 3117	-31.36	64	-18.09	63	8.32	46	-35.23	67	-24.25	60	-21.51	65	-12.82	43	-37.25	74	-10.59	39	12.64	18	-21.8	67

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	CWZ												NEPZ									
		Ambi_CG		Bansw_RJ		Chind_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ		BHU_UP		Bhubne_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-14.48	45	6.19	29	48.51	7	-40.28	72	28.85	19	-0.84	37	-2.92	25	8.09	14	-29.6	67	27.89	2	7.93	11
58	MM9309	41.45	1	-2.97	42	52.5	5	-17.96	31	86.41	1	26.6	1	2.27	16	-2.55	43	20.94	8	6.93	31	4.73	13
59	MMH-1708	-5.48	34	-17.25	61	-1.97	59	-25.75	56	-37.87	68	-14.05	57	-8.79	38	-4.06	44	-22.53	57	-9.19	68	-4.14	37
60	MMH18-11	-42.27	71	-48.79	73	-9.38	68	-37.42	70	-48.06	71	-35.85	73	-48.8	75	-17.81	61	-16.18	47	-17.28	74	-34.55	74
61	MMH18-12	-61.34	74	-20.01	65	-10.39	69	-36.6	68	-54.17	74	-37.84	75	-44.27	73	-11.59	55	-28.54	65	4.56	34	-27.57	71
62	NAVNEET	-32.87	65	-80.31	77	-11.27	71	-33.12	66	-31.46	64	-37.45	74	-30.5	66	10.61	8	-13.67	46	16.87	9	-11.21	56
63	OMH 17-47	13.19	11	16.12	16	46.75	8	-19.24	33	35.73	16	14.46	12	9.37	6	8.6	12	-8.46	36	-8.59	65	13.79	2
64	PM18107M	0.8	27	45.26	2	19.71	34	-11.73	21	7.21	36	11.56	16	-5.99	30	-2.49	42	19.37	9	7.71	30	-3.53	34
65	PM18108M	1.03	26	9.52	22	14.96	37	5.42	3	44.84	9	12.52	14	-1.46	24	-10.36	52	-0.27	23	5.32	33	-1.44	26
66	RCRMH7(ZH138388)	7.22	17	-10.01	51	26.51	23	-11.11	20	37.45	15	6.27	22	11.31	5	6.23	16	23.37	7	12.24	19	13.01	3
67	RCRMH9(CAH1713)	-19.29	51	2.46	35	30.34	16	-25.06	55	-33.41	65	-9.05	51	-19.53	58	-7.47	47	-16.29	48	-1.29	48	-8.15	46
68	SYN816604	5.93	18	61.6	1	14.4	39	-10.35	19	15.26	29	18.88	5	12.89	3	2.69	26	7.28	14	-3.64	52	9.08	9
69	TMMH886	-93.73	77	-66.79	76	-46.23	77	-51.92	77	-85.83	77	-70.15	77	.	.	-26.64	69	-45.75	74	2.13	40	.	.
70	TS2506	-13.92	43	-2.89	41	12.36	42	-19.27	34	5.04	39	-2.25	38	-10.92	40	-11.39	53	-13.3	44	-0.13	45	-6.52	42
71	TUFAN	3.27	20	10.96	20	13.8	41	-19.81	40	43.14	11	7.97	20	8.66	7	11.68	5	-7.43	34	10.34	25	11.61	5
72	VH11130	-13.73	40	29.6	6	20.83	31	-20.66	42	-8.45	49	3.4	26	1.3	19	-11.52	54	-3.05	29	18.83	7	-3.27	31
73	VaMH 15015	-25.58	58	5.7	30	24.61	25	-19.3	35	30.46	18	0.4	32	2.97	13	-16.04	60	-20.52	55	2.96	37	-1.5	27
74	ZH161032	-9.91	39	25.18	12	49.21	7	-16.21	28	34.46	17	11.11	17	12.06	5	-8.14	48	27.69	5	-2.68	51	3.46	17
75	DHM -117 (FILLER)	-3.26	30	-37.75	68	-13.33	72	-30.7	64	16.38	28	-15.56	60	-12.91	44	-0.36	35	-57.36	77	-12.41	71	-9.35	49
76	BIO 9544 (C)	1.17	25	7.97	27	9.77	45	-20.94	43	43.67	10	7.54	21	-7.02	33	-2.15	41	24.97	5	8.54	27	1.03	20
77	CMH-08-292 (C)	-8.24	38	31.09	5	66.8	1	-8.5	14	18.08	27	16.4	8	-16.45	49	8.99	11	-1.45	26	-4.46	53	-1.29	23
78	DHM-121 (C)	0	28	0	39	0	57	0	6	0	42	0	35	0	20	0	33	0	22	0	44	0	21

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	-11.83	72	-2.99	12	11.86	49	1.24	12	2.03	17	24.99	16	-15.6	44	-14.15	44	-8.69	47
2	AH 4271	-6.4	67	-7.59	20	32.2	24	13.83	2	8.91	4	32.1	5	-0.1	17	-2.81	30	-5.84	40
3	AH8070	-4.82	65	-11.5	31	27.04	31	-3.96	22	-1.53	29	29.77	10	-7.92	28	1.01	19	2.59	16
4	AH8071	46.43	11	-17.62	56	38.92	17	-5	23	-1.36	28	24.75	19	-12.45	36	-30.21	65	-21.96	60
5	BH416032	-13.27	75	-4.28	13	30.22	26	-16.45	56	-2.44	33	10.28	57	-0.51	18	-6.18	36	-6.85	43
6	BH416067	55.73	5	-11.37	30	18.1	38	-14.38	52	-6.81	44	23.09	21	-13.46	40	-17.33	46	-18.03	55
7	BH416215	32.49	24	-9.08	23	33.3	21	11.01	4	6.9	6	16.98	39	-8.12	29	19.31	7	19.69	1
8	BLH136	35.44	22	3.77	4	30.15	28	-0.55	17	2.64	14	11.47	53	-14.18	41	4.98	16	18.78	3
9	CAH1511	-8.71	68	-18.28	59	29.52	29	-0.31	14	-1.66	30	23.86	20	11.4	5	31.91	5	7.34	9
10	CMH2425	13.83	45	3.66	5	16.11	43	-6.09	28	0.44	20	8.25	62	-1.1	22	-1.52	27	-4.4	34
11	CMH2525	-3.63	63	-12.36	36	36.11	19	-17.72	57	-4.27	39	18.62	31	5.91	10	9.18	11	-9.77	49
12	DH-316	5.2	53	-13.56	39	1.41	59	-14.78	54	-10.31	55	17.93	35	-22.3	58	-19.71	49	-2.99	30
13	DH-317	31.47	26	-27.77	74	-6.39	65	-34.29	75	-24.6	75	-13.65	74	-51.55	74	-25.94	60	-19.32	57
14	H1013	8.48	49	-16.67	52	-35.5	74	-19.54	60	-26.02	76	-20.75	75	-36.17	66	-25.66	59	-17.98	54
15	HKH-368	60.31	3	4.82	3	8.69	52	-8.2	36	-0.26	24	22.18	22	-36.98	68	-21.07	54	-26	64
16	HKH-369	18	41	-0.71	8	4.54	57	-19.07	59	-7.97	50	5.71	64	-52.49	75	-13.07	43	-29.98	69
17	HT18607	63.14	1	-13.83	40	42.1	11	-0.89	19	2.15	16	10.19	59	-0.73	19	26.37	6	6.2	12
18	IH-0965	7.41	51	-19.34	61	-40.28	76	-5.46	25	-19.23	69	-5.9	72	-67.29	77	-36.6	69	-31.29	71
19	IH-1604	14.9	44	-9.91	29	-11.72	67	-31.38	74	-20.01	71	15.21	43	-28.63	63	-33.36	66	-1.49	28
20	IMHL-K-1	31.33	27	-17.09	53	16.88	42	-14.47	53	-8.28	52	16.19	41	-23.53	60	-20.96	52	-19.43	58
21	IMHL-K-2	50.78	9	0.98	6	32.26	23	-9.22	37	2.4	15	24.91	17	-12.68	37	-9.96	41	-7.4	45
22	IMHL-K-3	17.68	42	-9.18	25	39.33	16	-9.56	38	-1.09	25	21.94	23	-6.17	26	-22.85	56	-24.2	62
23	IMHSB-18K-03	19.21	38	-17.54	55	14.58	45	-7.87	33	-8	51	19.3	30	-31.39	64	-52.05	77	-28.4	66
24	IMHSB-18K-04	-42.59	77	-6.95	16	5.71	54	-0.67	18	-5.2	42	11.8	51	-9.5	31	-18.55	48	-7.02	44
25	IMHSB-18K-07	12.25	46	-14.57	42	17.8	39	-7.77	32	-4.09	36	17.55	36	-22.34	59	-27.62	63	-24.34	63
26	IMHSB-18K-10	1.06	60	-9.63	27	-29.57	72	7.44	6	-12.53	59	2.27	66	-36.19	67	-41.56	70	-14.36	53
27	IMHSB-18K-11	24.63	34	-20.36	63	4.92	56	-29.85	72	-16.67	67	-0.76	69	-19.75	53	-26.01	61	-9.86	50
28	IMHSB-18K-12	21.42	36	-15.87	49	-13.32	68	-21.63	63	-19.53	70	14.07	48	0.32	13	-5.75	34	-4.89	35

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	33.49	23	-12.11	35	7.3	53	-22.49	65	-13.97	62	31.67	6	-19.17	50	-36.25	68	-20.51	59
30	IMHSB-18K-14	7.7	50	-7.59	19	32.82	22	-9.57	39	-1.22	27	14.36	46	3.07	12	-0.38	24	-5.58	38
31	IMHSB-18K-15	-11.81	71	-8.17	22	1.25	60	-7.39	31	-7.45	46	17.38	38	0.01	15	-20.55	51	-5.08	37
32	IMHSB-18K-16	35.49	21	-26.33	73	12.31	48	-24.75	66	-16.6	66	19.9	27	-41.51	70	-47.7	75	-33.49	72
33	IMHSB-18K-18	53.02	6	-19.45	62	-9.75	66	19.02	1	-6.62	43	11.46	54	-26.66	61	-3.53	32	19.41	2
34	IMHSB-18K-2	-9.64	69	-18.6	60	-13.94	69	-27.42	71	-21.15	73	24.86	18	-18.58	48	5.68	14	-2.86	29
35	IMHSB-18K-5	-12.19	74	-22.71	68	39.47	15	-30.81	73	-11.75	58	10.23	58	-11.78	34	-6.23	37	4.2	15
36	IMHSB-18K-6	39.05	18	-12.68	38	30.72	25	-44.07	76	-13.62	61	20.35	25	-15.33	43	-23.47	57	-29.33	67
37	IMHSB-18K-8	-0.74	62	-11.9	32	23.1	33	-0.43	16	-2.62	35	15.68	42	7.32	9	-3.04	31	-0.06	21
38	IMHSB-18K-9	20.54	37	-16.61	51	4.96	55	-0.41	15	-4.66	40	16.78	40	-12.11	35	-19.96	50	-23.12	61
39	IMHVS-001	61.88	2	-21.87	67	30.21	27	-26.42	68	-8.89	54	25.55	14	-10.87	33	-14.35	45	-3.94	32
40	IMHVS-002	51.82	8	-22.83	69	34.16	20	-18.81	58	-7.85	49	17.94	34	-19.43	51	-26.27	62	-30.56	70
41	INDAM 1118	43.74	15	-21.04	64	57.86	4	7.14	7	6.33	7	31.46	7	-13.27	39	-23.47	58	-13.28	52
42	IS8249(DKC8191)	3.75	55	-21.79	66	45.94	8	-11.38	46	-0.24	23	51.75	1	-15.99	45	7.68	13	7.24	10
43	IS8425(DKC9194)	-12.05	73	-9.48	26	77.07	2	-5.81	26	11.45	2	21.02	24	-1.88	23	-1.71	28	15.56	4
44	IS8640(DKC9198)	3.7	56	-5.77	15	22.62	34	-27.07	70	-8.43	53	33.72	4	15.72	4	38.5	2	0.7	18
45	IS8723(DKC9190)	10.03	48	-34.2	76	81.91	1	-13.73	51	4.5	12	19.77	28	17.49	3	35.25	3	4.88	13
46	JKMH1518	16.46	43	-18.13	57	21.95	35	-12.82	49	-10.34	56	37.18	3	-12.96	38	43.3	1	12.36	7
47	KMH 17-105	4.85	54	-25.64	72	-28.71	71	-7.93	34	-21.34	74	14.09	47	-50.95	73	-29.31	64	-29.46	68
48	KMH 17-6	3.1	57	-7.46	18	12.58	47	-21.41	62	-10.61	57	-0.78	70	-34.12	65	-41.64	71	-35.49	74
49	KMH-004	52.71	7	-12.49	37	62.07	3	-11.2	44	5.12	10	41.5	2	-6.83	27	-8.41	39	-6.75	42
50	KNMH-4181	-25.62	76	20.71	1	-0.1	62	12.98	3	7.48	5	0.23	67	0.3	14	-1.47	26	-0.93	25
51	KNMH-4182	-10.84	70	-21.62	65	-36.21	75	3	10	-16.34	65	14.94	44	-19.09	49	-0.94	25	-5.75	39
52	KNMH-4183	28.58	29	-4.72	14	16.97	41	-26.01	67	-7.48	47	27.65	12	-9.79	32	0.64	21	10.02	8
53	KNMH-4184	46.8	10	-2.46	11	21.53	36	-20	61	-4.09	37	20.35	26	-19.79	54	0.88	20	-4.06	33
54	LMH 1217	38.08	19	-2.45	10	10.95	51	-3.29	21	-1.92	32	8.74	60	11.15	6	5.47	15	6.76	11
55	LMH 1417	18.24	40	-25.18	71	27.38	30	-12.34	47	-5.02	41	8.27	61	-0.73	20	-5.91	35	-7.86	46
56	LMH 3117	46.03	12	-15.32	44	-17.33	70	-21.82	64	-17.33	68	13.8	49	-40.31	69	-43.6	73	-38.15	75

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	23.25	35	-12.1	34	21.13	37	-11.13	43	-4.22	38	14.45	45	-8.41	30	-6.87	38	-3.4	31
58	MM9309	45.35	14	-9.75	28	50.4	6	-12.54	48	0.93	18	19.57	29	26.18	2	-11.57	42	4.67	14
59	MMH-1708	18.33	39	-18.15	58	15.92	44	-10.82	41	-7.63	48	18.13	32	-20.14	55	-33.77	67	-26.19	65
60	MMH18-11	37.61	20	-15.7	48	1.67	58	-27.03	69	-14.76	63	-35.44	77	-50.72	72	-48.66	76	-53.77	77
61	MMH18-12	27.04	31	-32.99	75	14.16	46	-6.36	29	-12.65	60	-25.71	76	-41.92	71	-45.96	74	-35.14	73
62	NAVNEET	24.74	33	-17.53	54	-4.21	63	-6.44	30	-7.24	45	5.27	65	-20.89	56	-8.98	40	-5.01	36
63	OMH 17-47	26.06	32	-0.81	9	49.63	7	9.92	5	11.7	1	11.82	50	27.34	1	35.1	4	13.62	6
64	PM18107M	1.67	58	-14.8	43	44.03	9	4.59	8	5.77	8	11.53	52	-19.6	52	9.94	10	-0.02	20
65	PM18108M	28.36	30	-11.95	33	23.84	32	-1.42	20	0.69	19	11.43	55	-14.62	42	0.4	22	-9.19	48
66	RCRMH7(ZH138388)	-3.75	64	11.32	2	39.54	14	1.28	11	10.37	3	7.59	63	-4.47	24	13.9	8	15.53	5
67	RCRMH9(CAH1713)	1.38	59	-24.8	70	-6.21	64	-10.93	42	-15.55	64	11.41	56	-16.97	46	-22.47	55	-18.23	56
68	SYN816604	58.76	4	-16.03	50	54.32	5	-6.01	27	4.74	11	25.65	13	7.73	8	8.88	12	-0.57	22
69	TMMH886	31.2	28	-49.89	77	-49.86	77	-44.46	77	-51.49	77	-13	73	-66.47	76	-42.49	72	-46.6	76
70	TS2506	32.41	25	-15.52	45	11.63	50	-8.05	35	-1.68	31	18.02	33	7.88	7	-21.06	53	-12.52	51
71	TUFAN	41.82	17	-7.97	21	42.5	10	3.4	9	5.75	9	17.44	37	4.39	11	2.87	18	-0.74	23
72	VH11130	-6.09	66	-15.61	47	38.2	18	-15.83	55	-1.19	26	27.92	11	-5.14	25	-2.23	29	2.42	17
73	VaMH 15015	11.34	47	-9.09	24	39.9	13	-12.99	50	-2.57	34	25.02	15	-17.23	47	12.4	9	-1.37	26
74	ZH161032	18.69	39	-3.94	13	63.08	3	-8.95	37	8	5	20.29	27	2.31	13	15.91	8	11.18	8
75	DHM -117 (FILLER)	6.43	52	-14.04	41	-35.44	73	-11.21	45	-20.24	72	-5.66	71	-26.95	62	3.75	17	-6.67	41
76	BIO 9544 (C)	42.97	16	-15.52	46	17.53	40	-10.39	40	-0.23	22	30.37	9	-21.35	57	-17.85	47	-1.4	27
77	CMH-08-292 (C)	45.86	13	-7.11	17	40.99	12	-5.32	24	3.63	13	30.51	8	-0.96	21	-5.06	33	-0.81	24
78	DHM-121 (C)	0	61	0	7	0	61	0	13	0	21	0	68	0	16	0	23	0	19

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 4158	49.06	1	-10.52	42	-33.49	65	0.93	21	-19.81	55	-8.65	44	-4.93	38
2	AH 4271	4.9	51	-6.57	33	-22.06	39	-2.4	33	-7.33	35	-1.34	17	-0.57	25
3	AH8070	8.67	40	8.49	4	-1.7	8	-16.5	68	-18.45	52	-0.29	14	1.71	17
4	AH8071	39.6	6	5.25	6	-25.32	47	4.34	14	8.81	5	-5.86	38	-6.07	43
5	BH416032	27.25	13	-3.21	24	-5.53	15	-16.49	67	-32.04	75	-8.89	45	-1.85	29
6	BH416067	9.82	39	-35.59	69	-20.32	38	1.01	20	-22.47	60	-17.36	62	-15.06	62
7	BH416215	42.55	5	-6.57	34	-22.45	41	-5.64	42	-13.5	41	-2.76	26	4.29	11
8	BLH136	16.4	28	-11.6	46	-20.26	37	13.98	2	-7.19	33	-2.83	27	0.05	20
9	CAH1511	-0.91	60	9.27	2	-5.47	14	-10.31	52	3.03	13	9.54	2	8.17	6
10	CMH2425	18.87	25	-2.04	22	-31.42	61	4.65	13	0.65	17	-2.61	25	-3.18	34
11	CMH2525	12.27	34	-4.16	26	-28.94	57	-1	26	-5.73	30	0.06	12	1.93	16
12	DH-316	11.28	37	-33.25	67	-30.16	59	5.93	9	-13.85	43	-12.62	57	-11.49	57
13	DH-317	-21.09	76	-35.83	70	-4.36	13	-55.91	77	-27.49	68	-34.33	74	-29.99	74
14	H1013	-6.83	71	-37.28	71	-40.71	72	-3.08	35	-38.48	77	-29.03	71	-28.12	71
15	HKH-368	-1.18	62	-6.02	31	-28.35	55	15.44	1	-23.76	65	-15.83	60	-13.68	59
16	HKH-369	20.58	21	-18.91	59	-28.64	56	-18.02	71	-15.71	46	-23.19	66	-19.8	66
17	HT18607	29.81	9	-1.83	21	-13.89	26	6.01	8	3.84	11	3.37	9	5.08	9
18	IH-0965	-3.86	68	-64.26	76	-48.65	75	-14.64	64	-29.82	71	-39.53	75	-38.01	76
19	IH-1604	-13.9	74	-13.81	49	-37.39	70	-15.71	66	-22.59	62	-17.92	64	-16.77	63
20	IMHL-K-1	29.38	11	-6.76	37	-36.09	69	-1.72	31	-1.49	21	-11.55	54	-9.95	51
21	IMHL-K-2	23.78	17	-21.85	63	-15.86	30	-9.73	51	-16.74	48	-10.81	50	-4.84	37
22	IMHL-K-3	12.69	33	-8.81	40	-24.32	44	-31.98	75	-11.94	40	-12.12	56	-9.63	50
23	IMHSB-18K-03	-3.45	65	-4.31	27	-26.75	50	-10.87	56	-11.85	39	-18.58	65	-17.31	65
24	IMHSB-18K-04	13.97	30	-5.45	29	-23.48	42	-10.52	53	-22.58	61	-10.48	48	-8.45	48
25	IMHSB-18K-07	11.69	35	-11.25	44	-28.34	54	-6.09	44	-23.26	63	-15.82	59	-10.02	52
26	IMHSB-18K-10	6.75	47	-16.82	54	-33.14	63	-12.07	59	-21.95	58	-23.35	67	-24.11	69
27	IMHSB-18K-11	44.84	3	-19.62	60	-25.76	49	-8.5	48	-26.99	67	-17.86	63	-11.72	58
28	IMHSB-18K-12	13.69	31	-18.16	57	-18.03	32	3.48	15	-30.97	72	-8.21	43	-10.82	53

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
29	IMHSB-18K-13	8.46	42	-17.33	56	-29.8	58	10.66	3	26.53	1	-4.98	35	-7.71	45
30	IMHSB-18K-14	-3.55	67	4.04	7	-13.88	25	-8.76	49	8.97	4	0.17	11	-2.13	30
31	IMHSB-18K-15	25.94	14	-6.74	36	-15.44	29	-10.53	54	-26.02	66	-10.51	49	-6.56	44
32	IMHSB-18K-16	21.1	20	-27.55	66	-27.22	53	-16.69	69	-29.46	70	-27.02	68	-26.49	70
33	IMHSB-18K-18	29.24	12	-14.16	51	-12.83	24	-1.63	30	3.44	12	-5.07	36	-8.42	47
34	IMHSB-18K-2	11	38	-7.59	38	-25.39	48	-0.97	25	-2.1	22	-1.7	18	-5.14	40
35	IMHSB-18K-5	6.92	46	-0.25	16	-1.91	9	-10.89	57	1.17	15	-3.11	29	-5.02	39
36	IMHSB-18K-6	-1.92	64	-14.31	52	-35.77	68	3.4	16	-18.07	51	-11.94	55	-11.34	55
37	IMHSB-18K-8	-1.15	61	-3.15	23	-8.01	17	4.65	12	1.02	16	-1.21	16	1.67	18
38	IMHSB-18K-9	8.26	43	1.29	12	-2.17	10	-13.16	62	-23.57	64	-9.95	47	-6.07	42
39	IMHVS-001	24.24	15	-22.16	64	-27.1	51	-3.79	36	0.02	18	-8.06	42	-5.95	41
40	IMHVS-002	15.16	29	-23.55	65	-19.33	34	1.54	19	-19.11	54	-16.65	61	-11.24	54
41	INDAM 1118	-19.07	75	8.93	3	-12.14	22	-5.3	41	-11.69	38	-3.93	33	-0.04	22
42	IS8249(DKC8191)	8.47	41	-1.7	20	5.38	4	0.14	22	-6.79	32	2.25	10	7.65	8
43	IS8425(DKC9194)	23.81	16	10.47	1	-18.33	33	6.02	7	6.23	9	6.43	6	12.52	1
44	IS8640(DKC9198)	23.12	18	-6.03	32	-4.17	11	-1.36	27	-4.51	28	7.97	3	8.03	7
45	IS8723(DKC9190)	43.9	4	3.62	9	-14.09	27	-1.48	29	-1.19	20	10.94	1	10.73	2
46	JKMH1518	46.28	2	-1.05	19	-16.01	31	-13.47	63	7.41	8	6.72	5	1.26	19
47	KMH 17-105	-1.65	63	-48.94	74	-57.21	76	-4.38	37	-8.84	37	-27.38	69	-28.2	72
48	KMH 17-6	1.17	56	-34.63	68	-39.12	71	-4.43	40	-35.95	76	-29.77	72	-22.92	67
49	KMH-004	-3.53	66	1.6	11	11.09	2	-2.2	32	-18.64	53	-3.07	28	2.83	13
50	KNMH-4181	2.5	53	-16.86	55	-42.53	73	7.68	5	-17.68	50	-6.71	41	-4.83	36
51	KNMH-4182	0.17	57	-21.21	61	-34.26	66	2.6	17	-13.61	42	-9.17	46	-13.9	61
52	KNMH-4183	20.51	22	-13.64	48	-10.71	21	-11.06	58	-4.32	27	-2.4	24	-2.78	32
53	KNMH-4184	3.64	52	-18.83	58	-12.79	23	-5.89	43	-20.82	57	-11.32	52	-7.91	46
54	LMH 1217	1.68	55	-13.01	47	-43.75	74	5.41	11	-17.3	49	-1.77	19	-0.21	24
55	LMH 1417	20.07	23	3.68	8	-27.21	52	-1.37	28	-6.04	31	-3.27	31	-4.75	35
56	LMH 3117	-5.62	69	-59.22	75	-32.31	62	9.41	4	-22.11	59	-28.09	70	-23.71	68

Table No. 3 (Contd.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
57	LMH 3417	-0.48	59	-6.72	35	-24.03	43	2.44	18	-7.72	36	-2.36	23	-1.15	27
58	MM9309	22.97	19	1.05	13	-33.18	64	-4.42	38	-7.21	34	3.76	8	8.65	5
59	MMH-1708	4.97	50	-8.73	39	-22.07	40	-0.58	24	-14.96	45	-13.1	58	-11.42	56
60	MMH18-11	7.93	45	-47.55	73	-19.44	35	-27.26	73	-27.91	69	-42	76	-34.51	75
61	MMH18-12	1.7	54	-46.79	72	-30.96	60	-12.54	60	-20.59	56	-33.04	73	-29.25	73
62	NAVNEET	-6.47	70	-0.21	15	-7.44	16	-9.07	50	-31.14	74	-11.43	53	-16.89	64
63	OMH 17-47	6.67	48	-9.63	41	2.76	5	-19.55	72	-15.83	47	4.36	7	9.23	4
64	PM18107M	-7.8	72	-3.67	25	7.95	3	-6.89	46	-2.57	23	-3.17	30	2.01	15
65	PM18108M	-8.09	73	-13.91	50	-9.08	20	-2.69	34	3.94	10	-6.11	39	-0.11	23
66	RCRMH7(ZH138388)	38.45	7	-15.64	53	-1.61	7	-15.29	65	7.75	7	-0.31	15	4.93	10
67	RCRMH9(CAH1713)	38.07	8	3.46	10	-34.27	67	5.65	10	2.43	14	-6.63	40	-9.29	49
68	SYN816604	17.01	26	7.07	5	-8.15	18	-4.42	39	8.26	6	6.98	4	9.36	3
69	TMMH886	-30.33	77	-75.7	77	-77.24	77	-43.9	76	-31.07	73	-49.57	77	.	.
70	TS2506	13.12	32	-0.5	18	-4.19	12	-13.02	61	9.51	3	-2.01	21	-2.9	33
71	TUFAN	5.9	49	-10.91	43	-8.26	19	-6.29	45	-14.55	44	-4.21	34	2.02	14
72	VH11130	16.51	27	-11.4	45	-24.45	45	-7.22	47	-3.37	25	-2	20	-0.99	26
73	VaMH 15015	19.6	24	-0.37	17	-19.5	36	-16.71	70	-2.89	24	-3.87	32	-2.54	31
74	ZH161032	17.45	26	-1.77	21	-4.66	14	-0.24	24	-7.78	37	4.13	8	6.53	9
75	DHM -117 (FILLER)	8.09	44	-5.71	30	-14.18	28	-10.65	55	-5.71	29	-10.85	51	-13.89	60
76	BIO 9544 (C)	11.57	36	-5.21	28	-24.63	46	-27.46	74	13.43	2	-5.73	37	-1.29	28
77	CMH-08-292 (C)	29.69	10	-21.39	62	12.95	1	6.13	6	-3.57	26	-2.16	22	3.33	12
78	DHM-121 (C)	0	58	0	14	0	6	0	23	0	19	0	13	0	21

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	16.1	16.9	10.8	15.4	17.5	14.8	24.1	19.0	21.3	28.8	23.6	17.7	22.6	19.2	28.1	21.7
2	AH 4271	15.6	16.3	10.4	15.6	14.5	14.0	24.2	19.4	22.2	29.9	23.9	17.7	22.4	17.7	28.1	21.5
3	AH8070	15.9	16.9	10.3	18.3	14.3	14.6	23.9	19.3	19.7	29.9	23.2	17.7	22.3	17.8	30.8	21.9
4	AH8071	16.6	9.8	10.9	16.6	15.4	14.9	24.7	19.4	21.7	28.0	23.0	17.4	23.1	20.2	29.9	22.8
5	BH416032	14.9	9.6	11.1	17.7	16.2	14.9	24.9	19.5	22.3	30.6	24.3	18.4	22.4	14.6	27.4	20.8
6	BH416067	15.4	16.8	10.7	17.0	15.9	14.8	21.3	19.1	21.2	30.5	23.1	17.5	22.4	19.0	25.5	21.1
7	BH416215	14.2	15.4	10.9	17.1	14.9	14.3	24.2	19.1	22.1	29.4	23.6	18.1	22.5	19.7	29.4	22.4
8	BLH136	16.1	16.2	11.8	16.3	17.8	15.5	25.7	19.6	21.4	27.7	23.5	20.3	22.2	19.2	30.0	23.0
9	CAH1511	14.0	16.1	10.3	17.2	17.0	14.8	24.8	19.3	21.8	30.2	24.0	16.7	22.5	16.6	26.3	20.5
10	CMH2425	15.2	15.8	10.8	16.9	16.5	14.9	23.8	19.4	21.3	25.9	22.4	18.4	22.1	19.8	29.4	22.3
11	CMH2525	15.7	15.5	11.3	16.2	15.7	14.6	25.1	19.6	21.3	29.6	24.0	16.8	23.5	18.8	29.4	22.5
12	DH-316	16.5	15.1	10.3	16.0	13.5	14.1	22.6	18.9	21.6	29.8	23.4	18.5	22.2	17.4	26.5	20.8
13	DH-317	15.1	16.1	10.1	18.1	14.3	14.6	24.4	19.3	21.3	29.5	23.5	16.8	22.1	19.2	28.5	22.1
14	H1013	15.4	15.2	11.8	18.1	16.6	15.6	24.7	19.3	21.2	25.5	22.5	17.1	22.9	16.4	28.9	21.5
15	HKH-368	14.1	15.7	9.8	17.2	15.0	14.1	20.5	19.2	20.5	28.8	22.2	19.6	21.6	15.8	26.5	20.9
16	HKH-369	14.5	9.3	10.2	17.1	13.8	13.9	25.5	18.6	22.5	28.3	23.7	19.0	23.4	18.6	30.5	22.8
17	HT18607	16.1	16.5	12.0	19.0	16.7	15.9	26.7	19.3	21.6	30.6	24.5	17.5	24.1	19.7	30.5	22.9
18	IH-0965	16.1	15.4	10.1	16.1	16.3	14.8	22.5	18.9	20.2	29.0	22.5	16.5	23.5	15.0	29.5	21.2
19	IH-1604	15.4	16.0	10.2	19.0	16.4	15.2	23.9	19.0	20.4	30.3	23.5	16.1	22.1	16.7	29.2	21.2
20	IMHL-K-1	15.8	15.7	9.8	15.3	14.1	13.8	25.0	19.3	22.5	29.5	24.0	19.2	22.2	19.8	30.3	22.7
21	IMHL-K-2	15.0	16.3	11.2	17.9	14.8	14.8	24.0	19.1	20.8	28.0	23.2	19.0	22.3	18.8	27.3	21.9
22	IMHL-K-3	16.2	9.0	11.1	17.7	14.8	15.1	29.8	19.5	21.8	24.5	23.8	16.5	23.3	20.3	28.9	22.5
23	IMHSB-18K-03	16.1	16.3	10.2	17.4	13.7	14.3	26.2	19.1	21.8	25.2	22.9	17.3	22.2	18.5	27.1	21.8
24	IMHSB-18K-04	15.8	16.1	10.1	17.5	15.0	14.7	24.8	19.7	21.0	30.5	24.0	18.9	23.6	18.9	29.1	22.6
25	IMHSB-18K-07	15.7	16.0	10.9	15.5	16.0	14.5	22.3	19.5	21.6	30.8	23.4	18.4	23.0	17.2	29.2	22.2
26	IMHSB-18K-10	13.9	16.9	10.6	16.1	17.8	14.5	24.0	19.2	22.7	24.4	22.6	17.4	23.6	21.0	24.5	21.5
27	IMHSB-18K-11	15.4	16.7	10.3	16.2	16.8	14.6	22.9	19.7	21.4	27.2	22.8	18.6	22.5	20.5	29.0	22.4
28	IMHSB-18K-12	15.3	16.4	10.6	15.7	15.7	14.2	23.2	18.8	21.4	29.9	23.3	19.0	22.8	19.1	28.6	22.1
29	IMHSB-18K-13	15.8	16.5	10.8	17.2	15.2	14.7	23.4	19.1	21.0	29.4	23.2	19.4	23.1	20.6	29.7	22.9

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	16.0	16.0	9.7	18.1	13.4	14.3	24.2	19.2	19.8	26.6	22.5	17.3	23.3	18.0	29.2	21.9
31	IMHSB-18K-15	15.6	16.4	10.4	17.0	15.8	14.8	22.3	19.6	21.4	29.0	23.0	17.3	22.5	19.4	28.8	22.0
32	IMHSB-18K-16	16.8	15.4	10.4	15.3	12.1	13.7	21.8	19.7	20.7	26.2	22.2	17.2	22.1	17.3	29.8	21.8
33	IMHSB-18K-18	16.1	15.5	10.1	17.2	17.1	15.1	29.8	19.6	22.0	27.2	24.7	17.8	22.1	19.7	28.6	22.0
34	IMHSB-18K-2	16.2	15.5	10.0	17.9	16.5	15.3	23.9	19.5	20.6	28.3	23.0	16.5	23.7	17.5	26.1	21.1
35	IMHSB-18K-5	15.0	16.9	10.9	15.8	16.2	14.4	26.7	19.3	22.4	31.0	24.9	16.7	22.9	20.1	26.4	21.6
36	IMHSB-18K-6	15.8	16.7	10.5	16.6	15.0	14.5	26.2	19.4	20.4	29.5	23.9	20.5	22.5	19.8	29.2	23.1
37	IMHSB-18K-8	15.5	16.0	11.8	14.7	17.1	14.7	25.1	19.5	22.3	30.6	24.4	17.7	21.8	18.3	28.0	21.7
38	IMHSB-18K-9	16.1	23.3	10.6	17.2	13.7	14.3	23.8	19.4	21.9	27.0	23.3	20.0	22.1	16.2	29.2	21.7
39	IMHVS-001	15.3	16.4	11.1	16.0	15.8	14.7	24.2	19.0	21.5	26.5	22.7	19.9	23.2	17.7	28.8	22.4
40	IMHVS-002	14.6	15.5	10.1	17.6	14.5	14.1	21.0	18.7	20.5	29.6	22.7	18.5	22.5	17.0	24.9	20.8
41	INDAM 1118	15.7	16.6	10.3	17.0	16.7	14.9	26.1	19.4	21.8	30.4	24.4	21.5	23.9	20.1	29.3	23.6
42	IS8249(DKC8191)	14.6	15.6	10.0	16.4	13.6	13.6	24.7	18.9	21.2	27.2	23.0	17.7	24.0	20.1	29.6	22.8
43	IS8425(DKC9194)	15.6	16.8	10.5	15.9	15.7	14.3	26.0	19.4	21.5	28.7	24.0	17.1	23.2	19.6	27.5	22.0
44	IS8640(DKC9198)	15.9	15.9	11.8	16.7	15.9	15.0	26.0	19.6	20.7	27.8	23.5	17.2	22.4	18.5	28.8	21.6
45	IS8723(DKC9190)	15.6	16.3	11.1	16.3	14.6	14.4	28.6	20.0	21.6	27.5	24.3	18.9	22.6	19.1	29.3	22.5
46	JKMH1518	15.6	15.3	10.7	17.2	16.0	15.0	26.3	19.2	21.7	29.8	24.2	17.7	22.9	19.9	30.2	22.7
47	KMH 17-105	14.5	15.6	11.5	18.0	15.3	14.8	24.5	19.2	21.0	29.2	23.2	19.5	23.2	16.7	29.3	22.2
48	KMH 17-6	16.5	15.7	10.8	14.7	14.5	14.0	21.7	19.3	21.6	29.3	22.9	16.3	23.0	19.0	28.9	21.9
49	KMH-004	15.3	16.6	10.7	17.6	13.7	14.3	23.8	19.4	22.1	29.5	23.9	19.5	23.7	18.0	28.5	22.6
50	KNMH-4181	15.6	17.0	10.3	16.4	15.2	14.3	22.6	18.9	21.4	27.7	22.6	18.8	22.5	18.9	29.5	22.3
51	KNMH-4182	16.0	15.9	10.2	16.5	15.7	14.6	25.4	19.7	20.8	30.7	24.1	18.4	23.6	18.3	27.0	21.9
52	KNMH-4183	14.0	15.6	10.9	16.9	16.5	14.6	23.8	19.6	20.6	29.3	23.3	16.9	22.5	16.4	25.3	20.0
53	KNMH-4184	15.5	16.4	11.8	14.6	15.2	14.4	26.9	19.3	21.2	30.3	24.2	16.9	22.8	18.8	27.1	21.6
54	LMH 1217	15.6	16.9	10.2	18.1	13.8	14.4	20.6	19.5	21.9	28.8	22.6	17.1	23.1	17.3	29.4	21.6
55	LMH 1417	14.6	22.3	10.7	17.1	16.0	14.7	22.0	19.5	22.0	30.7	23.3	16.9	23.3	16.9	27.1	21.3
56	LMH 3117	16.2	15.9	9.6	15.6	14.5	13.9	20.1	19.3	19.8	25.6	21.3	20.1	22.6	13.6	24.4	20.0
57	LMH 3417	15.5	17.1	11.1	17.0	17.5	15.1	21.0	19.1	21.8	29.4	22.9	18.7	23.3	18.6	28.7	22.2
58	MM9309	16.1	17.1	10.7	15.5	15.2	14.2	23.7	19.5	19.9	30.2	23.3	19.4	22.8	19.7	30.0	22.7

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	15.2	17.0	11.1	16.7	15.5	14.5	24.6	19.6	20.9	28.5	23.5	20.3	21.9	20.2	28.5	22.6
60	MMH18-11	16.1	23.5	11.9	17.1	15.2	14.9	22.8	19.7	21.9	27.2	23.0	18.9	23.1	17.8	29.0	22.0
61	MMH18-12	16.3	16.4	10.9	15.9	18.0	15.3	24.2	19.5	21.4	30.1	23.7	19.1	23.1	17.8	28.5	22.0
62	NAVNEET	16.8	90.1	12.2	17.5	15.0	15.4	27.9	19.5	23.3	28.6	24.9	17.1	23.1	19.3	28.7	22.0
63	OMH 17-47	14.9	16.1	11.4	14.3	17.0	14.3	25.7	19.7	21.5	31.2	24.6	19.5	21.9	19.3	28.7	22.2
64	PM18107M	15.4	16.3	10.2	17.2	17.2	15.0	22.7	19.4	20.5	30.3	23.2	20.3	22.7	19.9	29.5	22.9
65	PM18108M	14.6	16.6	10.1	16.0	16.2	14.4	22.2	18.9	21.0	29.6	22.7	19.1	23.2	16.5	26.0	20.9
66	RCRMH7(ZH138388)	16.4	16.5	10.6	16.5	16.2	14.9	25.2	18.7	22.4	29.3	24.0	17.3	22.7	18.8	29.7	21.8
67	RCRMH9(CAH1713)	13.6	16.1	10.1	17.5	16.2	14.2	21.5	19.6	21.2	26.6	22.2	17.3	23.3	19.6	27.2	21.8
68	SYN816604	14.6	9.4	12.0	15.6	15.8	14.6	25.7	19.2	22.3	30.8	24.6	18.2	21.3	18.0	28.9	21.7
69	TMMH886	14.9	16.3	12.5	17.5	16.3	15.3	.	19.2	22.4	26.6	.	16.9	22.9	19.0	29.1	22.3
70	TS2506	15.5	23.3	11.9	15.8	15.7	14.6	25.5	19.7	21.4	29.0	24.2	17.9	22.0	20.6	29.7	22.5
71	TUFAN	14.6	15.2	10.6	16.5	15.7	14.5	28.5	19.4	21.3	28.3	24.2	16.7	22.4	18.9	27.7	21.6
72	VH11130	15.8	16.2	11.2	17.5	15.6	14.9	23.7	19.1	21.4	29.1	23.6	18.4	23.1	18.8	29.5	22.4
73	VaMH 15015	15.9	15.4	10.2	17.1	12.1	13.9	23.1	19.4	21.6	28.5	23.1	18.1	22.0	16.1	27.9	21.3
74	ZH161032	15.5	17.4	11.0	17.7	13.4	14.4	24.0	19.1	21.1	27.5	23.2	17.2	21.7	19.3	28.4	21.7
75	DHM -117 (FILLER)	14.1	16.1	10.2	15.4	14.0	13.5	27.6	19.6	22.1	24.4	23.1	18.3	22.8	18.9	27.8	21.9
76	BIO 9544 (C)	14.8	16.2	10.7	16.7	18.0	15.1	26.3	18.7	21.5	28.0	23.8	17.1	22.8	19.9	28.5	21.9
77	CMH-08-292 (C)	16.1	16.1	12.1	16.3	14.2	14.7	26.1	18.9	21.2	28.0	23.9	16.9	22.8	18.8	28.5	21.7
78	DHM-121 (C)	15.3	22.6	11.3	16.7	16.0	14.7	23.6	19.3	21.9	29.0	23.6	19.7	21.8	17.8	28.0	21.7
	Location Mean	15.5	17.1	10.8	16.7	15.5	14.6	24.4	19.3	21.4	28.7	23.4	18.1	22.7	18.5	28.4	21.9
	CV (%)	6.7	49.5	6.8	5.2	0.0	5.3	4.7	1.3	2.7	6.1	4.6	10.2	4.8	6.3	4.8	6.4
	F (Prob)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.0	0.0	0.0
	CD (5%)	1.7	13.7	1.2	1.4	0.0	0.7	1.9	0.4	0.9	2.8	0.9	3.0	1.8	1.9	2.2	1.1
	CD (1%)	2.2	18.1	1.6	1.9	0.0	0.9	2.5	0.5	1.2	3.7	1.2	3.9	2.3	2.5	2.9	1.5

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	16.6	9.4	18.3	14.5	11.3	17.4	15.0	17.2	16.4	14.9	17.9
2	AH 4271	16.6	9.4	18.5	17.2	11.8	18.6	15.0	17.5	15.7	15.5	18.0
3	AH8070	16.6	10.2	16.2	13.7	10.8	16.1	15.0	17.2	16.7	14.7	17.7
4	AH8071	16.0	10.5	12.0	14.7	11.1	17.0	15.0	18.5	16.4	14.7	17.8
5	BH416032	17.3	8.8	17.9	13.4	10.9	15.3	15.0	18.2	14.9	14.6	17.7
6	BH416067	15.7	10.1	16.6	14.0	11.8	14.4	15.0	17.8	15.3	14.6	17.5
7	BH416215	16.5	8.7	18.8	16.3	10.9	14.6	15.0	19.7	16.1	15.1	17.9
8	BLH136	15.9	10.6	20.6	18.0	12.6	17.0	15.0	18.1	17.9	16.2	18.8
9	CAH1511	15.9	8.3	18.1	16.8	11.3	16.3	15.0	19.1	14.8	15.1	17.8
10	CMH2425	16.0	8.7	19.8	15.5	11.0	16.9	15.0	18.9	17.5	15.6	18.0
11	CMH2525	16.8	10.7	20.7	17.5	10.8	16.5	15.0	18.5	16.9	15.9	18.5
12	DH-316	15.9	9.3	16.3	13.6	8.8	16.0	15.0	18.2	15.3	14.4	17.3
13	DH-317	15.8	8.9	15.6	15.2	11.3	16.4	15.0	19.0	17.5	14.7	17.8
14	H1013	15.8	7.9	17.8	14.7	11.0	16.2	15.0	17.9	16.1	14.8	17.7
15	HKH-368	15.5	6.9	14.8	15.0	9.5	15.5	15.0	18.1	15.5	13.9	16.9
16	HKH-369	16.4	7.6	17.3	14.3	9.5	15.6	15.0	17.6	16.8	14.4	17.7
17	HT18607	15.4	10.3	19.6	16.5	11.4	17.9	15.0	17.9	18.4	15.8	18.8
18	IH-0965	15.4	8.2	12.1	14.3	11.7	15.2	15.0	16.8	15.0	13.7	17.0
19	IH-1604	16.4	8.1	16.4	15.0	11.6	15.7	15.0	18.8	15.3	14.9	17.8
20	IMHL-K-1	16.3	7.9	16.6	15.7	11.6	16.9	15.0	18.5	15.5	14.9	17.9
21	IMHL-K-2	16.3	10.4	19.1	16.4	11.4	16.5	15.0	18.4	15.8	15.5	18.1
22	IMHL-K-3	16.2	12.5	21.8	14.6	11.4	16.7	15.0	19.3	15.8	15.8	18.5
23	IMHSB-18K-03	16.4	12.0	18.2	16.9	11.5	17.7	15.0	19.2	17.2	16.0	18.1
24	IMHSB-18K-04	16.4	9.2	18.6	16.6	11.3	18.0	15.0	18.6	16.1	15.5	18.3
25	IMHSB-18K-07	16.1	10.4	14.3	14.0	11.5	15.7	15.0	18.5	15.3	14.5	17.7
26	IMHSB-18K-10	15.8	9.4	15.1	13.3	10.3	16.2	15.0	18.7	16.2	14.4	17.3
27	IMHSB-18K-11	15.6	8.9	18.7	14.6	12.2	16.1	15.0	17.8	15.5	14.9	17.7
28	IMHSB-18K-12	16.6	9.6	17.0	14.7	12.1	16.0	15.0	17.3	17.0	15.1	17.8
29	IMHSB-18K-13	17.6	7.1	18.6	15.9	10.5	17.8	15.0	20.0	17.9	15.7	18.3

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	16.1	8.9	16.6	14.5	12.2	16.3	15.0	17.8	15.9	14.9	17.6
31	IMHSB-18K-15	15.9	9.3	15.2	15.4	10.6	15.2	15.0	17.9	16.0	14.6	17.6
32	IMHSB-18K-16	15.4	8.2	14.4	14.1	9.8	15.3	15.0	19.4	14.5	14.1	17.1
33	IMHSB-18K-18	16.7	11.4	22.6	17.7	10.6	16.7	15.0	19.4	15.8	16.1	18.7
34	IMHSB-18K-2	15.9	9.1	18.5	15.4	10.5	16.3	15.0	19.3	15.6	15.2	17.8
35	IMHSB-18K-5	16.1	11.1	18.8	13.9	13.0	16.4	15.0	19.7	17.7	15.6	18.3
36	IMHSB-18K-6	15.8	9.6	20.4	15.4	11.0	16.9	15.0	17.9	15.5	15.2	18.2
37	IMHSB-18K-8	16.1	10.4	18.8	14.0	12.0	16.4	15.0	18.6	14.6	15.1	18.1
38	IMHSB-18K-9	17.5	9.5	16.5	14.3	11.2	16.6	15.0	18.5	16.0	15.1	17.8
39	IMHVS-001	16.2	8.4	18.1	15.3	12.0	15.1	15.0	17.4	15.9	14.9	17.8
40	IMHVS-002	16.3	8.7	17.2	13.6	10.8	15.3	15.0	17.8	14.6	14.4	17.1
41	INDAM 1118	17.0	6.8	17.2	15.5	11.1	17.7	15.0	19.4	18.2	15.3	18.6
42	IS8249(DKC8191)	18.2	11.2	23.2	15.1	12.0	17.8	15.0	18.4	17.8	16.5	18.4
43	IS8425(DKC9194)	16.5	8.5	21.9	17.1	11.2	17.3	15.0	17.7	19.1	16.1	18.4
44	IS8640(DKC9198)	15.7	11.1	21.6	13.6	11.8	16.7	15.0	18.5	17.9	15.9	18.3
45	IS8723(DKC9190)	16.6	10.9	22.1	14.5	11.6	17.6	15.0	18.5	17.7	16.2	18.6
46	JKMH1518	18.5	11.3	22.2	14.3	12.3	15.4	15.0	19.1	17.6	16.2	18.7
47	KMH 17-105	16.2	9.3	15.7	14.4	10.3	15.7	15.0	16.5	16.0	14.4	17.6
48	KMH 17-6	16.1	8.4	14.9	14.3	13.2	16.3	15.0	16.4	15.7	14.6	17.4
49	KMH-004	18.4	9.2	18.4	15.3	10.3	16.8	15.0	18.8	17.2	15.5	18.2
50	KNMH-4181	15.9	7.5	15.9	14.7	9.7	15.0	15.0	18.8	14.3	14.1	17.3
51	KNMH-4182	16.7	8.6	19.7	16.8	12.8	17.0	15.0	17.9	19.0	15.9	18.4
52	KNMH-4183	16.9	11.9	18.4	15.5	10.4	15.3	15.0	18.5	16.0	15.3	17.6
53	KNMH-4184	16.4	10.9	20.6	14.4	11.9	17.6	15.0	19.2	15.6	15.6	18.2
54	LMH 1217	16.7	8.3	19.4	13.4	10.5	16.5	15.0	18.1	15.5	14.8	17.5
55	LMH 1417	15.6	10.0	19.5	13.2	12.2	15.8	15.0	19.2	15.8	15.0	17.7
56	LMH 3117	15.8	8.2	10.6	12.8	9.0	15.7	15.0	17.0	15.8	13.3	16.2
57	LMH 3417	15.5	8.2	16.5	12.8	11.7	15.3	15.0	16.9	15.1	14.2	17.6
58	MM9309	15.8	9.5	20.2	15.0	11.1	16.7	15.0	19.5	17.1	15.5	18.1

Table No. 3 (Contd.) **Moisture(%)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	16.5	8.6	19.1	15.7	11.5	17.6	15.0	18.4	17.3	15.6	18.2
60	MMH18-11	15.3	12.2	17.6	15.2	10.6	16.1	15.0	18.2	15.7	15.0	17.8
61	MMH18-12	16.1	9.7	18.0	14.4	10.7	17.0	15.0	19.0	15.0	15.0	18.1
62	NAVNEET	15.2	12.6	20.9	17.5	11.9	18.7	15.0	19.6	17.1	16.5	18.9
63	OMH 17-47	17.3	10.4	19.3	14.4	10.7	14.9	15.0	18.6	14.4	14.9	18.0
64	PM18107M	17.1	9.5	18.4	15.3	10.8	16.6	15.0	18.2	16.0	15.2	18.2
65	PM18108M	15.8	7.8	16.9	14.5	9.9	15.1	15.0	18.1	14.9	14.2	17.1
66	RCRMH7(ZH138388)	15.9	12.1	20.1	16.1	11.2	15.9	15.0	18.4	15.2	15.7	18.3
67	RCRMH9(CAH1713)	16.2	9.4	13.0	14.0	9.9	16.3	15.0	18.3	17.3	14.4	17.3
68	SYN816604	16.1	12.1	18.7	15.9	10.9	16.3	15.0	18.9	15.4	15.5	18.2
69	TMMH886	15.4	12.2	17.0	17.1	11.7	16.9	15.0	19.3	16.0	15.5	.
70	TS2506	16.3	11.9	24.3	16.0	11.0	18.5	15.0	20.5	18.2	16.8	18.9
71	TUFAN	16.1	10.7	18.6	17.2	11.2	16.2	15.0	20.3	16.4	15.6	18.2
72	VH11130	16.9	10.0	17.3	15.1	10.8	16.2	15.0	18.3	15.5	14.9	18.0
73	VaMH 15015	16.2	8.6	17.5	14.6	10.7	16.6	15.0	19.8	14.6	14.9	17.5
74	ZH161032	16.3	8.1	19.6	15.7	10.6	16.1	15.0	17.0	16.7	15.1	17.8
75	DHM -117 (FILLER)	15.2	10.1	20.5	17.3	11.7	16.9	15.0	19.3	16.2	15.7	17.9
76	BIO 9544 (C)	16.2	12.9	22.6	16.9	12.1	17.2	15.0	19.0	17.4	16.4	18.6
77	CMH-08-292 (C)	17.7	9.0	19.9	14.8	11.8	16.5	15.0	17.3	15.5	15.5	18.1
78	DHM-121 (C)	15.7	14.5	20.1	17.7	10.8	16.9	15.0	17.9	16.5	16.0	18.3
	Location Mean	16.3	9.7	18.2	15.2	11.2	16.4	15.0	18.4	16.2	15.2	17.9
	CV (%)	3.0	12.3	10.6	4.4	7.3	3.0	0.0	5.6	5.0	6.4	5.9
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	.	0.0	0.0	0.0	0.0
	CD (5%)	0.8	1.9	3.1	1.1	1.3	0.8	0.0	1.7	1.3	0.5	0.4
	CD (1%)	1.0	2.5	4.1	1.4	1.8	1.1	0.0	2.2	1.7	0.7	0.5

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	77	77	81	83	82	80	77	80	83	80	80	82	83	81	80
2	AH 4271	74	77	80	86	84	81	76	80	84	78	79	82	80	82	88
3	AH8070	76	77	81	87	82	80	75	80	82	76	79	81	80	78	87
4	AH8071	76	76	78	84	80	79	76	80	83	82	80	84	81	80	86
5	BH416032	77	75	83	83	82	80	77	80	83	80	80	85	82	81	85
6	BH416067	80	76	84	82	80	80	80	80	84	78	81	86	81	82	85
7	BH416215	78	76	86	76	81	80	79	80	86	80	81	82	82	82	86
8	BLH136	78	77	87	79	82	80	79	80	87	79	81	86	82	84	87
9	CAH1511	77	74	87	67	81	77	78	80	86	78	80	84	81	81	89
10	CMH2425	77	77	88	73	82	79	77	80	83	77	79	84	82	81	88
11	CMH2525	78	76	81	88	81	81	78	80	86	80	81	87	83	82	83
12	DH-316	79	76	88	80	82	80	76	80	83	75	79	81	82	82	84
13	DH-317	76	76	82	85	83	81	76	80	82	81	80	83	81	80	79
14	H1013	77	77	83	80	81	79	82	80	86	82	82	84	83	84	87
15	HKH-368	77	76	79	77	83	79	77	80	79	85	80	86	82	82	85
16	HKH-369	78	76	79	76	84	79	77	80	83	77	79	85	82	80	81
17	HT18607	76	77	83	80	81	80	80	80	86	77	81	83	82	82	86
18	IH-0965	77	70	82	81	79	78	79	80	82	79	80	84	83	79	79
19	IH-1604	77	77	85	81	82	81	78	80	81	80	80	84	82	79	80
20	IMHL-K-1	76	77	73	84	81	79	74	80	82	80	79	88	81	77	87
21	IMHL-K-2	78	76	82	81	81	80	75	80	82	77	78	89	82	78	81
22	IMHL-K-3	77	77	80	86	81	80	77	80	82	78	79	89	82	79	82
23	IMHSB-18K-03	75	75	75	80	79	77	71	80	82	83	79	86	81	76	82
24	IMHSB-18K-04	78	76	78	78	79	78	73	80	84	73	78	83	81	74	84
25	IMHSB-18K-07	76	75	78	89	80	80	77	80	84	78	80	86	84	81	87
26	IMHSB-18K-10	79	75	81	80	80	80	75	80	84	76	79	85	81	82	89
27	IMHSB-18K-11	77	77	83	83	81	80	77	80	82	79	80	84	82	80	85
28	IMHSB-18K-12	77	75	82	84	83	80	75	80	85	79	79	83	82	77	84
29	IMHSB-18K-13	78	77	87	86	80	80	79	80	87	77	81	87	80	84	86

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	76	78	79	80	77	78	74	80	84	80	80	83	83	77	83
31	IMHSB-18K-15	78	76	83	85	82	80	82	80	86	77	81	86	82	82	88
32	IMHSB-18K-16	77	76	83	76	81	78	78	80	84	80	81	85	83	85	86
33	IMHSB-18K-18	78	79	75	86	83	80	77	80	81	78	79	85	83	81	82
34	IMHSB-18K-2	76	77	81	83	82	80	72	80	81	75	77	83	81	77	84
35	IMHSB-18K-5	77	75	79	84	80	80	77	80	81	77	79	84	81	77	83
36	IMHSB-18K-6	79	77	85	85	80	81	75	80	84	84	81	84	83	81	81
37	IMHSB-18K-8	77	76	81	86	79	79	78	80	84	77	80	85	83	82	86
38	IMHSB-18K-9	76	76	85	77	84	80	77	80	86	82	81	82	82	81	88
39	IMHVS-001	76	77	83	84	80	80	79	80	84	81	81	84	82	83	84
40	IMHVS-002	77	77	82	80	81	80	80	80	84	80	81	85	81	83	81
41	INDAM 1118	78	77	80	81	80	79	81	80	84	76	80	87	82	83	90
42	IS8249(DKC8191)	78	77	78	82	84	80	80	80	86	70	79	86	82	83	85
43	IS8425(DKC9194)	77	76	83	76	81	79	81	80	85	79	81	86	82	86	90
44	IS8640(DKC9198)	76	76	85	83	79	79	81	80	83	77	80	82	81	83	85
45	IS8723(DKC9190)	75	75	79	88	79	79	75	80	85	80	80	84	82	79	85
46	JKMH1518	77	77	82	81	81	80	81	80	86	75	81	81	81	83	88
47	KMH 17-105	77	75	84	84	82	81	76	80	84	76	79	83	81	80	90
48	KMH 17-6	77	77	86	83	78	80	76	80	86	74	79	82	81	83	88
49	KMH-004	78	78	79	85	83	81	77	80	87	81	81	86	82	83	85
50	KNMH-4181	80	76	83	67	83	78	81	80	84	84	82	85	83	84	88
51	KNMH-4182	76	76	75	86	81	79	70	80	84	80	79	86	82	77	86
52	KNMH-4183	77	76	78	82	82	79	77	80	82	76	79	84	82	79	84
53	KNMH-4184	77	77	75	85	80	79	78	80	82	78	79	83	82	77	86
54	LMH 1217	78	77	82	78	82	79	79	80	84	84	82	85	82	78	85
55	LMH 1417	77	76	88	81	81	81	82	80	86	81	82	84	82	82	86
56	LMH 3117	76	77	86	78	82	80	85	80	86	80	83	82	81	82	86
57	LMH 3417	78	76	86	73	81	79	82	80	87	82	83	89	81	84	91
58	MM9309	78	78	84	71	82	79	76	80	86	77	80	89	81	81	87

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	77	76	81	83	80	80	76	80	84	79	80	82	80	79	82
60	MMH18-11	77	76	81	78	80	79	82	80	86	78	82	85	83	84	88
61	MMH18-12	77	74	85	83	80	79	77	80	83	79	80	84	83	84	86
62	NAVNEET	76	78	77	85	79	79	76	80	83	79	79	82	83	77	89
63	OMH 17-47	76	78	80	84	81	80	80	80	84	79	81	84	83	78	86
64	PM18107M	77	78	86	84	81	81	79	80	86	84	82	85	82	81	86
65	PM18108M	79	75	89	86	81	82	83	80	83	81	82	86	82	86	87
66	RCRMH7(ZH138388)	78	76	83	86	80	80	78	80	85	76	80	82	81	80	89
67	RCRMH9(CAH1713)	77	78	86	86	81	82	81	80	87	78	81	83	82	82	87
68	SYN816604	76	77	81	76	80	78	79	80	84	81	81	83	81	81	85
69	TMMH886	76	70	76	87	79	77	.	80	85	75	.	82	83	78	82
70	TS2506	76	76	80	85	80	80	80	80	86	79	81	82	81	82	87
71	TUFAN	78	75	82	84	82	80	76	80	85	83	81	86	82	84	87
72	VH11130	76	77	82	81	83	79	77	80	83	81	80	83	82	81	87
73	VaMH 15015	76	78	83	87	84	82	80	80	85	75	80	84	80	83	87
74	ZH161032	77	77	83	83	82	80	77	80	85	78	80	87	81	81	89
75	DHM -117 (FILLER)	77	76	81	74	80	78	70	80	84	81	79	80	81	75	85
76	BIO 9544 (C)	76	76	82	82	80	79	78	80	87	79	81	84	83	79	86
77	CMH-08-292 (C)	76	76	88	83	84	81	77	80	85	83	81	85	81	81	85
78	DHM-121 (C)	77	76	80	80	80	79	70	80	85	80	79	86	82	79	88
	Location Mean	77	76	82	82	81	80	78	80	84	79	80	84	82	81	86
	CV (%)	1.9	1.7	5.1	5.9	0.0	3.7	0.0	0.0	1.3	3.0	1.6	3.5	1.5	2.5	2.7
	F (Prob)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	.	0.0	0.0	0.0	0.4	0.2	0.0	0.0
	CD (5%)	2.3	2.0	6.7	7.8	0.0	2.2	0.0	0.0	1.8	3.8	1.0	4.8	2.0	3.3	3.7
	CD (1%)	3.1	2.7	8.9	10.3	0.0	2.9	0.0	0.0	2.4	5.1	1.4	6.3	2.6	4.4	4.9

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry		PZ										All India
		Z_NWPZ	Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	82	81	85	80	81	75	82	80	83	80	81	81
2	AH 4271	83	82	85	78	80	75	82	80	83	77	80	81
3	AH8070	82	80	83	78	81	78	81	80	83	81	81	80
4	AH8071	82	78	83	82	81	74	83	80	82	79	80	80
5	BH416032	83	79	84	80	81	79	83	80	83	80	81	81
6	BH416067	84	80	88	81	81	81	81	80	84	82	82	81
7	BH416215	83	81	87	82	82	81	81	80	82	77	82	81
8	BLH136	84	81	88	79	82	82	81	80	84	80	82	82
9	CAH1511	84	79	86	81	79	75	82	80	83	80	80	80
10	CMH2425	84	78	87	83	81	79	81	80	85	81	82	81
11	CMH2525	83	80	86	79	80	79	81	80	82	81	81	81
12	DH-316	83	79	85	84	82	79	81	80	83	81	82	81
13	DH-317	81	77	85	82	83	81	81	80	80	78	81	81
14	H1013	84	79	84	83	82	82	82	80	84	81	82	82
15	HKH-368	84	79	83	80	80	76	81	80	82	82	80	81
16	HKH-369	82	79	83	83	83	79	81	80	85	81	81	80
17	HT18607	83	78	85	83	80	75	81	80	86	80	81	81
18	IH-0965	81	79	83	77	81	82	82	80	83	77	81	80
19	IH-1604	81	80	85	85	81	78	81	80	83	80	81	81
20	IMHL-K-1	83	80	83	76	82	75	81	80	83	82	80	80
21	IMHL-K-2	82	81	86	82	82	75	84	80	84	80	81	81
22	IMHL-K-3	82	79	84	78	80	86	83	80	82	80	81	81
23	IMHSB-18K-03	81	78	81	79	79	75	81	80	83	80	80	79
24	IMHSB-18K-04	81	80	82	77	80	71	82	80	80	80	79	79
25	IMHSB-18K-07	84	79	85	84	82	83	81	80	83	80	82	82
26	IMHSB-18K-10	85	78	85	77	82	85	81	80	82	82	81	81
27	IMHSB-18K-11	83	78	85	79	82	83	82	80	83	81	82	81
28	IMHSB-18K-12	82	79	82	74	79	75	81	80	81	81	79	80
29	IMHSB-18K-13	84	81	87	83	83	86	81	80	84	81	83	82

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry		PZ										All India
		Z_NWPZ	Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	82	79	83	82	78	79	81	80	82	80	80	80
31	IMHSB-18K-15	85	80	86	83	82	86	82	80	84	82	83	82
32	IMHSB-18K-16	84	78	84	82	81	83	81	80	82	81	81	81
33	IMHSB-18K-18	82	80	83	76	81	80	81	80	84	81	81	80
34	IMHSB-18K-2	81	79	83	79	81	78	83	80	81	80	80	80
35	IMHSB-18K-5	82	78	82	77	80	76	82	80	81	79	79	80
36	IMHSB-18K-6	82	80	87	77	79	75	82	80	83	80	80	81
37	IMHSB-18K-8	84	82	85	82	82	74	80	80	83	80	81	81
38	IMHSB-18K-9	84	81	86	83	83	87	82	80	85	82	83	82
39	IMHVS-001	84	83	86	84	83	85	82	80	85	80	83	82
40	IMHVS-002	82	79	86	82	83	89	81	80	85	82	83	82
41	INDAM 1118	85	82	87	77	82	80	83	80	83	81	82	81
42	IS8249(DKC8191)	84	79	86	75	80	81	83	80	83	81	81	81
43	IS8425(DKC9194)	86	81	88	79	82	86	81	80	84	81	83	82
44	IS8640(DKC9198)	83	80	88	80	81	79	81	80	83	83	82	81
45	IS8723(DKC9190)	83	80	85	76	82	81	83	80	85	79	81	81
46	JKMH1518	83	80	87	81	82	84	81	80	84	82	82	82
47	KMH 17-105	84	78	84	80	82	79	82	80	82	79	81	81
48	KMH 17-6	84	80	85	84	81	74	82	80	81	81	81	81
49	KMH-004	84	81	85	77	81	78	81	80	84	82	81	81
50	KNMH-4181	85	80	86	80	81	81	82	80	82	81	81	81
51	KNMH-4182	82	80	85	78	80	77	81	80	81	80	80	80
52	KNMH-4183	83	78	82	81	81	77	83	80	82	80	81	80
53	KNMH-4184	82	79	82	79	80	79	81	80	81	78	80	80
54	LMH 1217	82	79	87	80	81	74	80	80	82	82	81	81
55	LMH 1417	84	82	86	82	82	84	82	80	83	80	82	82
56	LMH 3117	84	78	85	79	82	86	81	80	84	82	82	82
57	LMH 3417	86	79	88	83	83	90	82	80	85	82	83	83
58	MM9309	84	79	88	78	82	78	82	80	84	81	81	81

Table No. 3 (Contd.) **Shelling(%)**

S. No.	Entry		PZ										All India
		Z_NWPZ	Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	81	79	86	78	82	75	81	80	82	81	80	80
60	MMH18-11	85	78	87	77	79	82	81	80	84	82	81	82
61	MMH18-12	84	77	84	75	80	77	81	80	80	80	80	80
62	NAVNEET	83	80	85	83	80	74	82	80	85	81	81	81
63	OMH 17-47	82	79	86	82	82	80	81	80	84	80	81	81
64	PM18107M	84	79	89	80	82	75	81	80	83	80	81	82
65	PM18108M	85	79	89	87	81	78	82	80	84	82	82	83
66	RCRMH7(ZH138388)	83	79	86	80	81	80	81	80	85	82	81	81
67	RCRMH9(CAH1713)	84	77	87	80	80	89	81	80	84	82	83	82
68	SYN816604	82	78	84	77	79	70	82	80	83	80	79	80
69	TMMH886	80	78	86	80	80	77	80	80	79	80	80	.
70	TS2506	84	79	86	73	82	82	82	80	83	82	81	81
71	TUFAN	85	79	88	81	83	77	81	80	84	81	82	82
72	VH11130	84	81	85	80	80	76	81	80	82	83	81	81
73	VaMH 15015	84	80	86	80	79	76	81	80	83	82	81	81
74	ZH161032	84	82	86	79	81	81	82	80	85	81	82	82
75	DHM -117 (FILLER)	80	78	83	76	79	71	81	80	79	79	79	79
76	BIO 9544 (C)	83	80	87	77	82	81	81	80	83	81	81	81
77	CMH-08-292 (C)	83	80	86	79	81	81	81	80	86	80	81	82
78	DHM-121 (C)	84	80	84	75	78	71	83	80	84	80	79	80
	Location Mean	83	79	85	80	81	79	82	80	83	81	81	81
	CV (%)	2.7	1.6	0.9	4.5	1.2	0.0	1.0	0.0	2.1	1.2	1.9	2.5
	F (Prob)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	.	0.0	0.0	0.0	0.0
	CD (5%)	1.8	2.0	1.3	5.8	1.6	0.0	1.3	0.0	2.8	1.5	0.8	0.7
	CD (1%)	2.4	2.6	1.7	7.7	2.1	0.0	1.7	0.0	3.6	2.0	1.1	0.9

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	50	49	60	50	58	54	55	47	47	53	51	49	50	52	56	52
2	AH 4271	51	49	62	55	59	55	57	49	49	55	53	51	50	53	54	52
3	AH8070	49	49	63	51	56	53	56	48	51	53	52	50	51	54	53	52
4	AH8071	50	49	60	49	60	53	57	47	51	48	51	51	52	55	56	53
5	BH416032	50	48	60	48	58	53	56	46	49	52	51	47	51	52	53	51
6	BH416067	51	48	60	49	56	53	52	46	46	51	49	48	51	50	54	50
7	BH416215	50	49	61	47	56	53	55	49	50	53	52	50	49	53	52	51
8	BLH136	51	49	63	49	58	54	54	47	49	53	51	48	49	51	55	51
9	CAH1511	51	48	61	43	56	52	56	47	51	50	51	51	51	54	55	52
10	CMH2425	49	47	60	47	57	52	53	46	46	52	49	46	51	49	53	49
11	CMH2525	52	49	61	52	58	54	55	46	50	55	52	49	51	54	54	52
12	DH-316	49	45	58	47	57	51	53	44	46	53	49	49	48	50	52	50
13	DH-317	51	49	61	49	58	53	57	48	51	54	53	48	48	53	54	51
14	H1013	48	47	58	45	57	51	53	45	45	53	49	45	45	48	54	48
15	HKH-368	49	48	62	52	59	54	53	48	49	52	50	51	49	50	55	51
16	HKH-369	50	48	62	50	60	54	54	47	49	52	51	50	51	51	53	51
17	HT18607	53	49	64	51	59	55	56	49	51	53	52	49	50	55	55	52
18	IH-0965	43	47	55	48	54	50	49	43	41	52	46	45	45	46	53	47
19	IH-1604	47	46	60	49	57	52	54	47	45	55	50	48	49	51	55	51
20	IMHL-K-1	55	48	63	49	59	55	59	50	51	54	53	49	49	56	55	52
21	IMHL-K-2	52	49	63	48	60	55	56	47	50	55	52	49	52	54	54	52
22	IMHL-K-3	50	48	62	47	60	54	58	46	48	50	51	52	50	53	55	53
23	IMHSB-18K-03	51	49	62	48	60	54	59	46	51	55	53	50	50	52	54	52
24	IMHSB-18K-04	53	47	63	55	60	56	57	49	51	53	53	53	51	56	55	54
25	IMHSB-18K-07	53	50	61	49	59	54	55	49	48	54	52	48	48	54	53	51
26	IMHSB-18K-10	54	47	63	55	60	56	57	50	50	51	52	50	53	56	55	54
27	IMHSB-18K-11	50	50	60	48	59	53	53	48	49	53	51	47	48	53	57	51
28	IMHSB-18K-12	54	49	63	51	58	55	56	48	49	52	51	51	51	57	53	53
29	IMHSB-18K-13	51	48	60	54	57	54	53	46	49	53	50	49	51	52	55	52

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	54	47	63	50	58	55	56	48	51	53	52	50	52	54	56	53
31	IMHSB-18K-15	52	48	61	50	57	53	54	46	51	51	50	49	50	52	56	51
32	IMHSB-18K-16	49	47	60	51	59	53	52	45	46	50	48	49	49	49	54	50
33	IMHSB-18K-18	56	49	65	51	62	57	61	48	52	53	54	50	52	56	55	54
34	IMHSB-18K-2	51	48	62	46	59	54	54	49	50	53	52	50	52	55	55	53
35	IMHSB-18K-5	56	48	64	52	60	56	59	50	52	54	54	50	52	56	58	54
36	IMHSB-18K-6	50	49	61	51	56	53	57	47	49	52	51	48	46	51	56	50
37	IMHSB-18K-8	53	49	62	52	60	55	55	49	51	55	52	50	50	54	55	52
38	IMHSB-18K-9	52	49	62	57	58	56	55	50	52	52	52	50	50	54	54	52
39	IMHVS-001	51	49	62	51	58	54	55	47	49	51	50	48	51	51	53	50
40	IMHVS-002	49	49	60	48	57	53	54	47	48	54	51	48	50	52	51	50
41	INDAM 1118	54	48	63	54	60	56	58	49	52	56	54	49	50	53	54	52
42	IS8249(DKC8191)	51	48	64	52	60	55	57	46	50	54	52	50	52	55	56	53
43	IS8425(DKC9194)	53	49	62	44	59	54	55	49	51	52	52	49	51	53	54	52
44	IS8640(DKC9198)	56	49	63	50	60	55	57	49	50	49	51	49	49	55	52	52
45	IS8723(DKC9190)	56	49	63	51	62	56	60	47	52	49	52	53	50	55	53	53
46	JKMH1518	55	48	61	48	57	54	56	48	49	54	52	52	50	55	55	53
47	KMH 17-105	45	48	55	47	56	50	52	44	46	54	49	47	46	47	54	49
48	KMH 17-6	44	46	58	52	55	51	53	44	44	53	48	46	45	50	54	49
49	KMH-004	50	48	61	50	61	54	54	48	48	52	51	46	52	51	55	51
50	KNMH-4181	48	48	61	48	55	52	52	46	49	52	50	51	46	49	54	50
51	KNMH-4182	53	48	64	51	62	55	58	50	53	54	54	53	51	57	54	54
52	KNMH-4183	52	49	63	46	58	54	57	46	49	55	52	49	50	56	54	52
53	KNMH-4184	54	48	64	55	59	56	57	48	50	52	52	49	48	53	54	51
54	LMH 1217	52	48	61	45	56	53	53	47	48	51	50	48	49	53	54	51
55	LMH 1417	52	49	61	52	58	54	55	47	50	51	51	50	47	54	54	51
56	LMH 3117	44	47	56	52	55	50	51	44	44	52	48	48	49	49	49	49
57	LMH 3417	50	48	60	51	56	53	55	46	52	54	51	47	50	52	53	51
58	MM9309	50	48	62	51	58	54	53	47	49	53	50	48	50	52	57	51

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	51	49	61	52	59	54	57	48	49	55	52	48	50	52	55	51
60	MMH18-11	49	48	62	48	57	53	54	46	50	50	50	45	49	53	55	50
61	MMH18-12	55	49	61	50	60	55	55	49	51	55	52	50	51	55	54	53
62	NAVNEET	56	48	64	50	61	56	60	51	52	52	54	53	52	58	55	54
63	OMH 17-47	52	49	63	43	60	54	57	48	49	55	52	51	52	54	52	52
64	PM18107M	50	49	62	50	60	54	55	48	48	55	52	47	49	51	54	50
65	PM18108M	47	47	55	52	56	52	52	46	45	51	49	45	50	49	53	49
66	RCRMH7(ZH138388)	52	48	61	50	58	54	56	49	50	55	52	46	52	54	55	52
67	RCRMH9(CAH1713)	52	48	62	47	58	53	57	48	51	52	52	50	51	55	55	53
68	SYN816604	55	49	62	48	61	55	57	49	51	55	53	50	50	54	55	52
69	TMMH886	60	50	64	62	64	60	.	48	57	52	.	50	52	62	58	56
70	TS2506	57	49	64	48	60	55	58	50	51	54	53	52	48	56	55	53
71	TUFAN	52	49	62	49	58	54	58	47	51	53	53	52	50	53	54	52
72	VH11130	54	49	60	53	58	55	55	49	51	54	52	50	53	56	55	54
73	VaMH 15015	51	47	60	48	55	52	55	45	49	53	50	47	50	51	52	50
74	ZH161032	52	48	61	51	58	54	56	48	51	53	52	49	51	53	53	51
75	DHM -117 (FILLER)	53	50	63	49	61	55	58	50	53	53	54	50	51	56	56	53
76	BIO 9544 (C)	52	49	62	48	59	54	57	48	51	51	52	50	53	57	55	53
77	CMH-08-292 (C)	52	48	62	46	57	53	57	46	49	52	51	48	53	53	55	52
78	DHM-121 (C)	50	48	63	54	59	55	56	49	51	51	52	50	48	55	55	52
	Location Mean	51	48	61	50	58	54	56	47	50	53	51	49	50	53	54	52
	CV (%)	3.3	2.4	2.1	7.7	2.9	4.0	2.6	3.1	2.3	4.9	3.4	4.6	4.3	2.0	4.3	3.9
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0
	CD (5%)	2.8	1.9	2.0	6.2	2.8	1.6	2.4	2.4	1.8	4.2	1.5	3.6	3.5	1.7	3.8	1.7
	CD (1%)	3.7	2.5	2.7	8.2	3.6	2.1	3.1	3.1	2.4	5.5	2.0	4.8	4.6	2.3	5.0	2.2

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	53	62	56	56	58	58	55	55	49	56	54
2	AH 4271	54	62	57	55	58	54	56	55	51	56	54
3	AH8070	52	62	59	55	59	55	56	58	51	56	54
4	AH8071	54	63	58	56	59	55	53	59	52	57	54
5	BH416032	50	62	58	54	58	54	54	56	49	55	53
6	BH416067	50	60	55	53	62	52	54	54	48	54	52
7	BH416215	50	61	57	54	58	55	55	60	47	55	53
8	BLH136	52	64	58	55	62	55	53	56	49	56	54
9	CAH1511	55	63	58	56	63	56	55	54	51	56	54
10	CMH2425	50	60	56	53	58	53	55	55	48	54	52
11	CMH2525	54	64	59	57	57	54	54	59	50	56	54
12	DH-316	50	61	56	51	59	52	51	54	46	53	51
13	DH-317	55	64	59	58	59	54	57	60	51	58	55
14	H1013	50	61	54	52	57	49	53	53	47	53	51
15	HKH-368	54	64	59	55	58	54	53	57	51	56	54
16	HKH-369	55	63	57	56	61	52	55	58	51	56	54
17	HT18607	57	65	60	58	59	57	57	58	52	58	55
18	IH-0965	46	57	52	54	53	46	49	46	43	50	49
19	IH-1604	50	62	56	53	57	52	53	54	46	54	52
20	IMHL-K-1	55	66	60	58	62	57	60	61	52	59	56
21	IMHL-K-2	53	63	58	56	61	54	56	54	49	56	54
22	IMHL-K-3	55	62	59	56	60	55	55	59	49	57	54
23	IMHSB-18K-03	55	68	60	55	59	57	55	57	50	57	55
24	IMHSB-18K-04	56	65	61	56	60	56	57	60	52	58	56
25	IMHSB-18K-07	53	63	57	57	54	56	54	56	50	55	54
26	IMHSB-18K-10	54	62	60	57	60	54	55	58	51	57	55
27	IMHSB-18K-11	53	62	57	56	57	52	55	57	49	55	53
28	IMHSB-18K-12	52	62	58	58	58	56	55	56	50	56	54
29	IMHSB-18K-13	52	61	57	54	63	53	54	55	48	55	53

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	56	65	59	57	60	55	57	60	49	58	55
31	IMHSB-18K-15	52	63	56	55	59	54	56	56	50	56	54
32	IMHSB-18K-16	52	60	56	52	58	51	55	55	49	54	52
33	IMHSB-18K-18	57	66	61	57	59	58	58	61	55	59	57
34	IMHSB-18K-2	55	64	59	57	61	56	55	56	49	57	54
35	IMHSB-18K-5	56	65	60	57	61	55	56	62	51	58	56
36	IMHSB-18K-6	52	63	57	55	62	51	55	55	50	55	53
37	IMHSB-18K-8	54	63	59	56	63	55	53	58	52	57	55
38	IMHSB-18K-9	55	63	60	57	60	55	56	57	50	57	55
39	IMHVS-001	54	62	58	56	60	54	54	57	51	56	54
40	IMHVS-002	50	63	57	53	55	53	54	57	49	54	53
41	INDAM 1118	56	65	61	57	61	58	54	61	51	59	56
42	IS8249(DKC8191)	55	63	60	56	59	55	54	59	51	57	55
43	IS8425(DKC9194)	55	64	59	57	58	55	54	56	51	56	54
44	IS8640(DKC9198)	56	65	60	60	61	56	54	60	52	58	55
45	IS8723(DKC9190)	56	66	60	59	59	57	56	58	51	58	55
46	JKMH1518	55	66	60	57	62	57	56	59	51	58	55
47	KMH 17-105	50	62	54	52	56	51	52	56	46	53	51
48	KMH 17-6	48	59	52	52	57	49	49	51	46	52	50
49	KMH-004	54	62	60	55	61	55	54	56	51	56	54
50	KNMH-4181	51	63	57	54	57	54	54	56	47	55	52
51	KNMH-4182	56	66	61	58	60	57	57	59	52	59	56
52	KNMH-4183	53	63	59	56	62	54	56	56	51	56	54
53	KNMH-4184	54	66	59	56	57	56	56	60	50	57	55
54	LMH 1217	51	62	57	54	54	54	56	57	51	55	53
55	LMH 1417	53	62	59	56	58	55	52	58	48	56	54
56	LMH 3117	50	61	56	51	58	49	50	52	46	52	50
57	LMH 3417	51	62	58	52	59	54	55	57	50	55	53
58	MM9309	53	63	57	55	60	54	54	56	54	56	54

Table No. 3 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	52	62	57	57	53	53	54	55	50	55	54
60	MMH18-11	52	60	57	56	56	53	57	57	48	55	53
61	MMH18-12	56	63	59	58	60	57	57	58	52	58	55
62	NAVNEET	56	65	60	59	61	59	55	59	51	58	56
63	OMH 17-47	55	62	58	56	57	56	52	55	51	56	54
64	PM18107M	54	62	59	56	56	54	54	57	51	56	54
65	PM18108M	49	59	54	53	57	52	52	56	45	53	51
66	RCRMH7(ZH138388)	56	64	58	57	63	56	54	60	53	57	55
67	RCRMH9(CAH1713)	56	63	58	56	57	56	55	57	51	57	54
68	SYN816604	56	65	59	58	60	60	57	61	51	58	56
69	TMMH886	57	67	59	53	54	60	57	62	58	59	.
70	TS2506	57	67	61	58	60	57	57	62	53	59	56
71	TUFAN	54	63	60	57	60	57	54	60	51	57	55
72	VH11130	56	64	58	55	62	56	55	58	51	57	55
73	VaMH 15015	52	62	55	53	59	53	54	54	46	54	52
74	ZH161032	55	63	59	55	57	56	55	56	51	56	54
75	DHM -117 (FILLER)	56	64	61	58	57	57	55	64	53	58	56
76	BIO 9544 (C)	54	64	56	57	57	54	55	57	49	56	54
77	CMH-08-292 (C)	52	62	60	55	61	56	56	55	51	56	54
78	DHM-121 (C)	54	65	59	57	59	55	54	55	49	56	54
	Location Mean	53	63	58	56	59	55	55	57	50	56	54
	CV (%)	1.9	1.8	2.5	2.2	6.1	2.8	3.1	4.7	3.3	3.5	3.7
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.6	1.8	2.4	2.0	5.8	2.5	2.7	4.4	2.7	1.1	0.7
	CD (1%)	2.1	2.4	3.1	2.6	7.7	3.3	3.6	5.8	3.5	1.5	0.9

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	53	52	61	54	60	56	57	50	52	57	54	51	51	54	59	53
2	AH 4271	54	52	63	59	61	58	60	52	53	59	56	52	51	55	57	54
3	AH8070	52	52	63	50	59	55	57	50	55	57	55	52	53	55	56	54
4	AH8071	53	52	60	51	62	56	60	50	55	55	55	53	54	57	59	56
5	BH416032	52	51	60	51	60	55	57	48	53	57	54	49	53	53	55	53
6	BH416067	54	51	62	51	58	55	54	49	51	55	52	49	53	51	57	52
7	BH416215	53	52	61	50	58	55	56	51	54	58	54	52	51	55	55	53
8	BLH136	55	52	63	53	60	56	55	50	55	57	54	49	51	53	58	53
9	CAH1511	55	51	62	46	59	55	58	50	55	54	54	53	53	55	58	54
10	CMH2425	52	50	61	49	58	54	56	48	51	56	53	48	52	51	56	51
11	CMH2525	55	51	61	53	60	56	57	50	54	59	55	51	53	56	57	54
12	DH-316	52	48	60	48	58	53	54	47	52	56	53	51	50	51	55	51
13	DH-317	54	51	62	52	60	56	59	50	55	57	55	50	50	55	57	53
14	H1013	51	50	59	48	60	54	54	48	51	57	52	47	47	50	57	50
15	HKH-368	53	51	64	54	61	56	55	50	54	55	54	52	50	51	58	53
16	HKH-369	53	51	62	52	63	57	56	50	53	57	54	52	52	52	55	53
17	HT18607	57	52	65	53	60	58	57	52	55	57	55	51	51	56	58	54
18	IH-0965	47	50	56	51	56	52	51	45	48	56	50	47	46	47	55	49
19	IH-1604	50	49	61	51	59	54	57	49	50	58	53	50	51	53	58	53
20	IMHL-K-1	58	51	64	51	60	57	61	52	54	58	56	51	51	57	59	54
21	IMHL-K-2	55	52	63	52	62	57	58	50	55	58	55	50	54	55	57	54
22	IMHL-K-3	52	51	63	49	62	56	60	49	54	54	54	54	52	55	57	55
23	IMHSB-18K-03	54	52	62	50	62	56	61	49	55	58	56	52	52	53	57	54
24	IMHSB-18K-04	56	50	65	56	62	58	59	52	55	57	56	55	53	58	58	56
25	IMHSB-18K-07	56	53	61	52	61	57	57	52	53	58	55	50	49	56	56	53
26	IMHSB-18K-10	57	50	65	57	61	58	60	53	55	54	55	52	54	58	58	56
27	IMHSB-18K-11	53	52	61	51	60	56	56	50	54	57	54	49	50	55	60	54
28	IMHSB-18K-12	57	52	63	53	59	57	58	50	53	56	54	53	52	58	55	55
29	IMHSB-18K-13	54	51	62	56	59	56	55	48	54	57	53	50	52	54	58	53

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	56	50	65	52	61	57	57	51	55	55	55	52	53	55	58	55
31	IMHSB-18K-15	55	51	63	53	58	56	56	49	53	55	53	51	52	53	59	53
32	IMHSB-18K-16	52	50	61	53	61	55	54	48	52	55	52	51	51	50	57	52
33	IMHSB-18K-18	59	52	66	54	64	59	63	51	57	56	57	52	53	58	58	56
34	IMHSB-18K-2	55	51	64	48	61	56	57	52	56	57	55	52	53	57	58	55
35	IMHSB-18K-5	59	51	65	54	61	58	60	52	55	57	57	52	53	58	61	56
36	IMHSB-18K-6	53	52	62	53	59	56	58	50	54	56	55	50	48	53	59	52
37	IMHSB-18K-8	56	52	64	54	61	57	57	51	56	58	55	52	51	56	58	54
38	IMHSB-18K-9	55	52	64	52	61	57	57	53	55	56	55	52	52	55	56	54
39	IMHVS-001	53	52	63	53	59	56	56	49	51	54	53	50	52	53	56	52
40	IMHVS-002	52	52	60	50	59	55	56	50	53	58	54	50	52	54	54	52
41	INDAM 1118	57	50	65	55	62	58	60	52	57	59	57	51	51	55	58	54
42	IS8249(DKC8191)	54	51	65	54	62	57	60	49	55	58	55	52	54	56	59	55
43	IS8425(DKC9194)	56	52	64	46	60	56	58	52	55	56	55	51	52	55	57	54
44	IS8640(DKC9198)	58	52	64	52	62	57	60	51	55	53	55	51	51	57	55	54
45	IS8723(DKC9190)	59	52	65	52	63	58	62	49	57	52	55	55	51	57	56	55
46	JKMH1518	57	50	63	52	59	57	59	51	53	58	55	54	52	57	58	55
47	KMH 17-105	48	51	55	51	57	53	53	47	50	58	52	49	48	48	58	51
48	KMH 17-6	47	49	59	55	57	53	56	47	50	57	52	48	46	51	56	51
49	KMH-004	53	51	62	54	62	56	57	51	52	55	54	48	53	53	58	53
50	KNMH-4181	51	51	61	51	57	54	53	49	52	56	52	53	48	51	57	52
51	KNMH-4182	56	50	66	53	64	58	61	52	58	58	58	55	52	59	57	56
52	KNMH-4183	55	52	64	49	60	56	59	49	54	59	55	51	51	58	57	54
53	KNMH-4184	58	52	65	57	60	58	59	51	54	56	55	51	50	54	56	53
54	LMH 1217	55	52	62	48	58	55	54	50	53	55	53	50	51	55	57	53
55	LMH 1417	55	52	63	53	60	56	56	49	54	55	54	52	49	55	57	53
56	LMH 3117	47	50	56	53	56	52	52	46	49	56	51	50	51	51	53	51
57	LMH 3417	53	51	60	53	58	55	57	48	54	57	54	49	52	54	56	53
58	MM9309	53	52	64	53	59	56	55	50	53	57	54	50	52	53	59	53

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	54	52	62	54	61	57	59	49	54	58	55	50	52	53	58	53
60	MMH18-11	53	51	62	50	59	55	55	49	54	55	53	48	50	54	58	52
61	MMH18-12	58	52	63	51	62	57	59	52	54	59	56	52	52	57	56	55
62	NAVNEET	58	51	65	52	63	58	62	54	56	57	58	55	53	59	57	56
63	OMH 17-47	56	52	63	46	62	56	58	51	53	58	55	53	53	55	55	54
64	PM18107M	53	52	63	51	62	57	56	50	53	59	54	49	50	53	57	52
65	PM18108M	51	50	56	54	58	54	54	48	51	55	52	47	51	51	56	51
66	RCRMH7(ZH138388)	54	51	62	57	60	57	58	51	55	59	56	48	54	55	58	54
67	RCRMH9(CAH1713)	55	51	62	50	61	56	58	50	54	55	55	52	53	57	57	55
68	SYN816604	58	52	64	51	63	57	59	51	56	56	56	52	52	55	58	54
69	TMMH886	63	52	65	65	66	62	.	51	62	56	.	52	53	64	61	58
70	TS2506	60	51	66	50	62	58	59	53	55	57	56	54	50	57	58	55
71	TUFAN	55	52	65	51	59	57	61	50	55	57	56	54	52	54	57	54
72	VH11130	57	51	62	51	60	56	57	51	55	57	55	53	54	57	57	55
73	VaMH 15015	53	50	60	52	57	55	57	48	53	57	54	49	51	53	54	52
74	ZH161032	55	51	61	54	59	56	58	51	55	57	55	51	53	55	56	54
75	DHM -117 (FILLER)	57	53	64	51	62	57	62	53	58	57	58	52	53	58	59	55
76	BIO 9544 (C)	55	52	63	51	61	56	59	51	55	55	55	52	55	58	58	55
77	CMH-08-292 (C)	54	52	63	49	59	55	59	49	53	55	54	50	55	55	58	55
78	DHM-121 (C)	54	51	65	50	61	56	58	52	55	56	55	52	49	57	57	54
	Location Mean	54	51	62	52	60	56	57	50	54	57	54	51	52	55	57	54
	CV (%)	3.3	2.2	2.3	7.3	2.6	3.9	2.6	3.2	1.9	4.2	3.1	4.3	4.1	1.8	4.1	3.7
	F (Prob)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0
	CD (5%)	2.9	1.8	2.3	6.1	2.5	1.6	2.4	2.6	1.7	3.8	1.5	3.6	3.4	1.6	3.8	1.7
	CD (1%)	3.8	2.4	3.1	8.1	3.3	2.2	3.2	3.4	2.2	5.1	1.9	4.7	4.5	2.1	5.0	2.2

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	57	64	58	58	60	56	57	56	52	57	56
2	AH 4271	57	64	59	58	60	57	58	56	54	58	57
3	AH8070	55	63	60	57	61	56	58	58	54	58	56
4	AH8071	57	65	61	58	61	56	55	60	56	59	57
5	BH416032	53	63	60	56	60	56	56	57	52	57	55
6	BH416067	54	62	57	56	64	54	56	55	51	56	55
7	BH416215	54	61	59	56	60	55	57	61	50	57	55
8	BLH136	55	65	60	58	64	56	55	57	52	58	56
9	CAH1511	58	64	60	59	65	57	58	55	54	58	56
10	CMH2425	53	62	58	55	60	54	57	56	52	56	54
11	CMH2525	57	64	61	59	59	57	56	60	53	58	57
12	DH-316	54	62	58	54	61	54	53	55	49	56	54
13	DH-317	58	64	61	60	61	56	59	62	54	59	57
14	H1013	54	63	56	55	59	52	55	54	49	55	53
15	HKH-368	57	65	62	57	60	57	55	58	54	58	56
16	HKH-369	57	64	60	59	63	58	57	59	54	59	56
17	HT18607	59	66	61	60	61	58	59	60	55	60	57
18	IH-0965	49	58	54	57	55	48	50	51	46	52	51
19	IH-1604	54	63	58	55	59	53	55	55	49	56	55
20	IMHL-K-1	57	67	62	60	64	58	62	61	55	61	58
21	IMHL-K-2	57	63	61	58	63	55	58	55	53	58	56
22	IMHL-K-3	58	63	61	58	62	58	57	60	52	59	57
23	IMHSB-18K-03	58	69	62	57	61	58	57	59	53	59	57
24	IMHSB-18K-04	58	67	63	59	62	59	59	62	56	60	58
25	IMHSB-18K-07	57	64	59	59	56	58	56	57	54	58	56
26	IMHSB-18K-10	57	64	62	60	62	57	57	59	56	59	58
27	IMHSB-18K-11	56	65	59	58	59	54	57	58	52	58	56
28	IMHSB-18K-12	56	64	60	59	60	57	57	57	53	58	56
29	IMHSB-18K-13	55	63	59	56	65	56	56	56	51	57	56

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	59	65	61	59	62	57	59	62	53	60	57
31	IMHSB-18K-15	56	63	58	57	61	56	58	57	53	58	56
32	IMHSB-18K-16	56	63	58	55	60	54	57	56	52	56	55
33	IMHSB-18K-18	59	67	63	59	61	59	60	62	58	61	59
34	IMHSB-18K-2	58	64	62	59	63	58	57	57	53	59	57
35	IMHSB-18K-5	59	66	62	59	63	57	58	64	55	60	58
36	IMHSB-18K-6	56	64	60	57	64	54	57	56	53	57	56
37	IMHSB-18K-8	57	63	61	58	65	56	55	59	55	59	57
38	IMHSB-18K-9	57	64	62	60	62	57	58	57	55	59	57
39	IMHVS-001	57	63	61	58	62	57	56	58	55	58	56
40	IMHVS-002	54	62	59	56	57	54	56	58	53	56	55
41	INDAM 1118	59	67	64	60	63	59	56	62	55	61	58
42	IS8249(DKC8191)	59	65	62	59	61	59	56	60	54	59	57
43	IS8425(DKC9194)	57	65	61	59	60	57	56	57	54	58	56
44	IS8640(DKC9198)	59	67	63	62	63	58	56	60	55	60	57
45	IS8723(DKC9190)	59	67	62	62	61	59	58	57	55	60	58
46	JKMH1518	58	67	62	60	64	58	58	60	55	60	57
47	KMH 17-105	54	64	56	55	58	52	54	58	48	55	53
48	KMH 17-6	52	59	54	55	59	52	51	51	48	54	53
49	KMH-004	57	63	62	57	63	58	56	57	54	59	56
50	KNMH-4181	54	64	59	56	59	54	56	60	51	57	55
51	KNMH-4182	59	68	64	60	62	59	59	60	56	61	59
52	KNMH-4183	56	64	61	58	64	55	58	56	54	59	57
53	KNMH-4184	57	68	61	58	59	57	58	61	54	60	57
54	LMH 1217	55	62	58	57	56	55	58	58	54	57	55
55	LMH 1417	56	63	61	58	60	57	54	60	52	58	56
56	LMH 3117	53	61	58	54	60	53	53	53	49	55	53
57	LMH 3417	54	63	60	54	61	53	57	58	52	57	55
58	MM9309	57	65	60	58	62	56	56	58	54	58	56

Table No. 3 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	56	63	60	60	55	55	56	57	54	57	56
60	MMH18-11	55	61	59	58	58	54	59	58	53	57	55
61	MMH18-12	58	65	62	61	62	59	59	59	55	60	57
62	NAVNEET	58	67	63	60	63	60	57	61	55	60	59
63	OMH 17-47	58	63	60	58	59	57	53	56	54	58	56
64	PM18107M	58	62	61	58	58	56	56	58	54	58	56
65	PM18108M	52	61	56	56	59	52	54	57	48	55	53
66	RCRMH7(ZH138388)	58	64	60	59	65	57	56	61	55	59	57
67	RCRMH9(CAH1713)	59	65	60	58	59	58	57	58	54	59	57
68	SYN816604	59	66	62	60	62	60	60	62	54	60	58
69	TMMH886	60	68	61	56	56	61	59	63	61	61	.
70	TS2506	59	68	63	60	62	60	59	63	53	61	58
71	TUFAN	57	64	62	59	62	59	56	61	53	59	57
72	VH11130	59	65	60	58	64	57	57	60	53	59	57
73	VaMH 15015	55	63	58	55	61	55	56	55	50	57	55
74	ZH161032	57	64	61	57	59	58	57	57	55	58	56
75	DHM -117 (FILLER)	59	66	63	61	59	60	57	65	57	61	59
76	BIO 9544 (C)	56	65	58	58	59	56	57	58	53	58	56
77	CMH-08-292 (C)	56	63	62	56	63	55	58	56	53	58	56
78	DHM-121 (C)	57	66	62	59	61	58	56	56	53	59	57
	Location Mean	57	64	60	58	61	56	57	58	53	58	56
	CV (%)	1.7	1.8	2.3	2.0	5.9	2.2	3.0	4.9	3.0	3.3	3.5
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.6	1.9	2.3	1.8	5.8	2.0	2.8	4.6	2.6	1.1	0.7
	CD (1%)	2.1	2.5	3.0	2.4	7.7	2.7	3.7	6.1	3.4	1.5	0.9

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	95	86	95	83	90	90	86	87	88	86	87	95	84	88	98
2	AH 4271	95	85	95	87	92	91	87	87	89	89	88	96	85	91	96
3	AH8070	92	86	95	80	90	89	84	87	90	89	88	95	84	90	96
4	AH8071	92	86	99	77	87	88	91	88	91	86	89	98	87	91	97
5	BH416032	92	85	98	81	95	90	87	87	89	86	88	97	85	90	96
6	BH416067	94	84	96	79	90	89	83	88	87	86	86	97	85	87	96
7	BH416215	97	87	96	83	94	91	84	87	88	89	87	96	85	92	95
8	BLH136	97	85	99	79	96	91	86	89	90	87	88	95	86	92	98
9	CAH1511	97	85	96	78	96	91	86	87	90	86	87	100	87	91	98
10	CMH2425	94	86	96	80	92	90	86	89	87	88	87	97	85	91	98
11	CMH2525	94	86	96	82	91	90	87	85	91	88	88	95	87	90	96
12	DH-316	94	82	95	80	89	88	83	87	88	87	86	97	84	89	95
13	DH-317	96	86	97	82	93	91	87	87	91	90	89	94	88	91	94
14	H1013	93	82	96	83	92	90	87	87	86	88	87	97	84	86	95
15	HKH-368	92	85	95	82	92	89	81	88	89	87	87	98	84	83	96
16	HKH-369	95	85	97	79	93	90	84	87	89	89	88	97	87	90	96
17	HT18607	95	87	102	80	96	92	90	87	91	88	89	100	88	92	98
18	IH-0965	90	80	91	82	89	86	78	85	84	89	84	97	83	84	97
19	IH-1604	92	84	93	81	90	88	84	88	86	90	87	96	84	89	98
20	IMHL-K-1	93	86	98	82	96	91	91	88	90	91	90	96	87	93	97
21	IMHL-K-2	97	85	96	81	96	91	86	86	90	89	88	98	86	90	97
22	IMHL-K-3	92	84	97	79	94	90	88	87	89	86	88	98	86	90	97
23	IMHSB-18K-03	95	86	98	82	91	91	91	87	91	88	89	96	87	89	96
24	IMHSB-18K-04	95	86	97	85	94	92	90	88	91	88	90	97	88	93	99
25	IMHSB-18K-07	93	88	97	82	88	89	86	85	89	89	87	98	84	90	96
26	IMHSB-18K-10	95	85	98	86	93	91	89	87	90	86	88	97	90	92	98
27	IMHSB-18K-11	96	86	97	81	90	90	86	88	89	90	88	99	85	91	97
28	IMHSB-18K-12	96	86	98	83	94	91	86	88	89	88	88	98	87	92	93
29	IMHSB-18K-13	94	84	98	85	91	90	86	87	89	89	87	102	87	91	97

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	96	85	97	81	91	90	87	88	91	89	89	98	86	90	98
31	IMHSB-18K-15	92	85	95	81	89	88	83	87	89	83	86	100	84	87	100
32	IMHSB-18K-16	91	83	94	82	93	89	84	88	87	86	86	97	86	87	97
33	IMHSB-18K-18	100	86	99	82	97	93	93	90	91	87	91	97	88	92	99
34	IMHSB-18K-2	93	86	94	78	93	89	86	88	91	89	88	98	86	92	98
35	IMHSB-18K-5	96	86	98	81	92	91	87	90	91	89	90	94	88	92	99
36	IMHSB-18K-6	94	87	98	83	91	90	90	86	90	88	88	97	84	90	96
37	IMHSB-18K-8	94	86	98	82	96	91	88	89	90	91	89	95	86	91	97
38	IMHSB-18K-9	97	85	97	85	93	91	85	89	91	87	88	95	86	91	96
39	IMHVS-001	94	86	96	83	93	90	85	87	89	86	86	92	86	88	95
40	IMHVS-002	92	86	93	82	90	89	81	86	89	89	87	98	86	86	94
41	INDAM 1118	99	87	99	85	94	93	89	91	92	91	91	96	86	93	101
42	IS8249(DKC8191)	98	85	100	80	98	92	90	93	90	88	90	94	86	91	98
43	IS8425(DKC9194)	93	87	99	80	97	91	90	88	91	88	89	98	88	91	96
44	IS8640(DKC9198)	100	85	102	79	98	92	93	90	91	87	90	95	89	94	94
45	IS8723(DKC9190)	100	85	102	84	96	93	92	90	92	83	89	99	86	94	98
46	JKMH1518	94	85	98	78	92	90	87	88	89	90	88	99	86	92	97
47	KMH 17-105	93	81	98	81	91	89	84	86	86	89	86	95	85	84	98
48	KMH 17-6	92	85	92	84	86	88	87	86	87	87	86	95	83	91	96
49	KMH-004	95	85	98	80	98	91	88	87	89	88	88	95	85	89	96
50	KNMH-4181	94	86	95	79	90	89	84	86	88	86	86	97	83	84	97
51	KNMH-4182	94	85	97	83	95	91	92	87	92	89	90	96	87	92	96
52	KNMH-4183	94	87	96	78	95	90	83	88	90	91	88	97	86	89	96
53	KNMH-4184	96	84	97	86	93	91	87	89	89	90	89	97	86	91	95
54	LMH 1217	96	86	94	80	90	89	83	87	89	88	86	98	84	91	95
55	LMH 1417	97	87	97	79	93	90	84	88	90	88	88	98	86	88	97
56	LMH 3117	90	84	91	82	87	87	79	87	85	90	85	97	84	84	93
57	LMH 3417	95	86	95	82	94	90	85	86	89	87	87	97	86	88	95
58	MM9309	96	86	100	83	95	92	88	90	89	89	89	92	85	91	98

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	CWZ						NEPZ					NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	96	86	96	81	89	90	88	89	90	87	89	92	86	91	97
60	MMH18-11	95	87	97	80	89	90	84	87	90	88	88	94	87	91	96
61	MMH18-12	96	87	97	81	93	91	87	88	90	91	89	96	86	90	95
62	NAVNEET	95	86	99	84	94	91	92	88	92	89	91	101	87	94	98
63	OMH 17-47	97	87	97	77	95	91	86	89	90	87	88	95	88	89	97
64	PM18107M	97	86	98	81	96	92	88	88	89	88	88	92	85	90	98
65	PM18108M	93	84	95	83	92	89	86	86	87	88	87	93	86	88	95
66	RCRMH7(ZH138388)	94	84	97	82	97	91	87	90	90	91	89	95	87	91	98
67	RCRMH9(CAH1713)	93	85	98	82	87	89	87	87	91	85	87	96	86	90	95
68	SYN816604	99	85	100	81	97	92	88	87	91	88	89	99	87	93	99
69	TMMH886	98	87	100	86	91	93	.	90	94	89	.	101	90	96	100
70	TS2506	97	84	100	77	94	90	91	87	91	88	89	98	88	95	98
71	TUFAN	98	87	98	83	98	93	94	90	91	88	90	96	84	92	98
72	VH11130	95	86	97	81	89	90	88	88	91	89	89	100	86	91	98
73	VaMH 15015	94	86	95	84	92	90	85	88	89	88	87	94	86	91	96
74	ZH161032	98	85	96	80	93	90	87	90	91	87	89	96	87	90	95
75	DHM -117 (FILLER)	95	87	99	83	96	92	93	90	93	87	91	96	87	93	98
76	BIO 9544 (C)	98	86	97	79	97	91	89	87	91	89	89	99	87	92	97
77	CMH-08-292 (C)	96	85	97	80	95	91	85	89	89	88	88	96	87	89	98
78	DHM-121 (C)	96	87	97	80	94	91	86	89	91	86	88	98	84	92	97
	Location Mean	95	85	97	81	93	90	87	88	90	88	88	97	86	90	97
	CV (%)	2.0	1.9	1.2	3.4	2.6	2.3	2.5	1.6	1.1	3.3	2.3	3.3	1.7	2.2	2.1
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.5	0.0	0.0	0.1
	CD (5%)	3.1	2.6	1.9	4.4	3.9	1.5	3.5	2.2	1.6	4.8	1.7	5.2	2.4	3.1	3.3
	CD (1%)	4.1	3.4	2.5	5.8	5.1	2.0	4.7	2.9	2.2	6.3	2.2	6.8	3.2	4.1	4.4

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	Z_NWPZ	PZ										All India
			Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	92	95	105	94	98	100	98	90	97	94	97	93
2	AH 4271	92	96	104	95	99	100	96	91	96	95	97	93
3	AH8070	92	94	105	96	97	101	95	91	97	94	97	92
4	AH8071	93	96	107	97	99	101	98	88	103	97	98	93
5	BH416032	92	94	106	96	96	100	96	89	98	93	96	93
6	BH416067	91	93	104	93	94	104	96	89	99	93	96	92
7	BH416215	92	95	105	95	96	100	97	91	102	95	97	93
8	BLH136	93	96	107	96	97	104	98	88	101	94	98	94
9	CAH1511	94	97	106	96	99	105	94	90	103	95	98	94
10	CMH2425	92	94	106	94	94	100	94	90	100	93	96	92
11	CMH2525	92	96	106	97	100	99	97	89	99	94	97	93
12	DH-316	91	94	106	94	93	101	85	86	99	91	94	91
13	DH-317	92	97	105	97	100	101	95	93	102	95	98	94
14	H1013	90	94	107	92	92	99	99	88	99	92	96	92
15	HKH-368	90	96	105	98	97	100	94	88	100	94	97	92
16	HKH-369	93	96	105	96	99	103	97	90	99	95	98	93
17	HT18607	94	98	107	97	100	101	97	92	103	95	99	95
18	IH-0965	90	91	104	90	97	95	92	83	92	92	93	89
19	IH-1604	92	94	104	94	95	99	94	88	99	92	96	92
20	IMHL-K-1	93	96	106	98	101	104	97	96	102	95	99	95
21	IMHL-K-2	93	96	106	97	99	103	97	91	101	93	98	93
22	IMHL-K-3	93	97	106	97	99	102	97	90	102	93	98	93
23	IMHSB-18K-03	92	96	107	98	97	101	96	90	104	95	98	94
24	IMHSB-18K-04	95	97	106	99	99	102	97	92	102	96	99	95
25	IMHSB-18K-07	92	96	105	95	99	96	94	89	100	94	97	92
26	IMHSB-18K-10	94	96	105	98	100	102	96	90	100	96	98	94
27	IMHSB-18K-11	93	96	107	95	98	99	99	91	98	93	97	93
28	IMHSB-18K-12	93	95	105	96	100	100	98	91	100	94	98	94
29	IMHSB-18K-13	94	94	106	95	96	105	100	89	104	93	98	93

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry		PZ										All India
		Z_NWPZ	Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	93	97	106	97	100	102	95	92	100	93	98	94
31	IMHSB-18K-15	92	96	105	94	97	101	94	91	98	94	97	92
32	IMHSB-18K-16	91	95	106	94	93	100	94	90	101	93	96	92
33	IMHSB-18K-18	94	98	108	99	99	101	98	93	102	98	100	96
34	IMHSB-18K-2	93	97	104	98	100	103	92	90	101	94	98	93
35	IMHSB-18K-5	93	98	105	98	99	103	97	91	100	96	99	94
36	IMHSB-18K-6	91	95	108	96	98	104	99	90	102	94	98	93
37	IMHSB-18K-8	92	96	106	97	99	105	97	88	102	96	98	94
38	IMHSB-18K-9	92	96	107	98	100	102	98	91	100	95	99	94
39	IMHVS-001	90	96	103	97	99	102	95	89	99	95	97	92
40	IMHVS-002	91	94	105	95	95	97	95	89	98	94	95	92
41	INDAM 1118	95	98	110	100	101	103	105	89	104	96	101	96
42	IS8249(DKC8191)	93	98	108	98	99	101	101	90	101	94	99	95
43	IS8425(DKC9194)	93	96	105	97	99	100	101	89	98	95	98	94
44	IS8640(DKC9198)	93	98	110	99	103	103	108	89	100	97	101	95
45	IS8723(DKC9190)	94	97	109	98	103	101	103	91	102	95	100	95
46	JKMH1518	94	97	106	98	100	104	94	91	101	95	99	94
47	KMH 17-105	90	95	107	92	93	98	95	87	97	92	95	91
48	KMH 17-6	92	93	105	90	94	99	94	84	95	92	94	91
49	KMH-004	91	97	108	98	97	103	100	89	98	94	98	93
50	KNMH-4181	91	94	106	95	96	99	94	89	100	92	96	92
51	KNMH-4182	93	98	106	100	101	102	98	93	99	95	99	95
52	KNMH-4183	92	95	105	97	98	104	92	91	98	95	97	93
53	KNMH-4184	92	97	106	97	99	99	95	91	101	94	98	94
54	LMH 1217	92	94	105	94	97	96	95	91	99	95	96	92
55	LMH 1417	92	95	105	97	98	100	97	87	101	93	97	93
56	LMH 3117	89	94	105	94	92	100	94	85	96	92	95	90
57	LMH 3417	92	94	105	96	93	101	95	90	98	93	96	92
58	MM9309	91	96	106	96	99	102	101	88	102	94	98	94

Table No. 3 (Contd.) **Days to 75 % dry husk**

S. No.	Entry		PZ										All India
		Z_NWPZ	Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	92	95	105	96	100	95	94	89	100	93	96	93
60	MMH18-11	92	94	105	95	98	98	95	92	99	93	97	93
61	MMH18-12	92	97	105	98	103	102	100	94	101	96	99	94
62	NAVNEET	95	97	108	99	101	103	104	90	104	95	100	96
63	OMH 17-47	93	97	105	96	98	99	96	86	100	95	97	93
64	PM18107M	91	97	105	97	99	98	104	89	99	95	98	94
65	PM18108M	90	93	105	92	95	99	96	87	100	92	95	91
66	RCRMH7(ZH138388)	93	97	105	96	99	105	96	89	99	96	98	94
67	RCRMH9(CAH1713)	92	98	106	96	99	99	100	91	101	96	99	93
68	SYN816604	95	97	109	98	100	102	105	93	103	94	100	95
69	TMMH886	97	99	110	97	96	96	102	92	102	99	99	.
70	TS2506	95	98	109	99	100	102	101	92	106	94	100	95
71	TUFAN	93	96	108	98	100	102	101	89	105	93	99	95
72	VH11130	94	97	108	96	98	104	100	90	100	94	99	94
73	VaMH 15015	91	95	105	94	93	101	94	89	101	92	96	92
74	ZH161032	92	96	106	97	97	99	95	91	99	96	97	93
75	DHM -117 (FILLER)	94	97	106	99	102	99	99	90	102	98	99	95
76	BIO 9544 (C)	94	95	106	94	99	99	103	90	103	93	98	94
77	CMH-08-292 (C)	93	95	105	98	94	103	100	91	98	93	97	93
78	DHM-121 (C)	93	96	105	98	100	101	94	90	99	93	97	93
	Location Mean	92	96	106	96	98	101	97	90	100	94	98	93
	CV (%)	2.4	0.9	0.8	1.4	1.6	3.6	3.2	2.0	2.4	1.5	2.2	2.3
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.9	1.4	1.4	2.3	2.6	5.8	5.0	2.9	3.8	2.3	1.2	0.8
	CD (1%)	2.5	1.9	1.9	3.0	3.4	7.7	6.6	3.9	5.1	3.0	1.6	1.0

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	CWZ					NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	BHU_UP	Ranchi_JH	Bhub_OD	Z_NEPZ	Sabo_BH	Karnal_HR	Ludh_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	31	32	34	28	31	38	33	36	35	28	41	38	37	37
2	AH 4271	33	28	36	29	31	36	31	35	34	21	43	35	37	34
3	AH8070	41	29	38	32	35	37	28	36	35	26	41	37	38	36
4	AH8071	36	31	30	23	31	30	35	37	35	32	42	40	38	37
5	BH416032	37	32	33	30	34	35	31	37	34	22	41	40	40	35
6	BH416067	24	31	37	33	31	39	31	37	34	32	42	38	36	36
7	BH416215	39	29	33	31	33	35	37	35	35	27	41	35	38	35
8	BLH136	34	28	31	31	31	34	27	36	33	31	40	34	37	35
9	CAH1511	36	29	32	29	31	36	28	36	34	21	40	35	38	34
10	CMH2425	27	27	32	29	29	36	30	37	35	23	42	37	39	35
11	CMH2525	34	29	29	31	31	35	33	36	35	25	42	38	37	35
12	DH-316	32	33	34	27	32	37	31	36	35	26	41	37	38	35
13	DH-317	17	27	25	25	23	22	23	37	26	24	41	33	30	32
14	H1013	23	26	27	25	25	20	25	34	27	28	40	36	35	34
15	HKH-368	35	30	28	30	30	37	34	36	35	33	41	33	33	34
16	HKH-369	25	25	24	33	27	32	27	37	32	31	41	33	34	35
17	HT18607	35	31	23	37	31	38	36	37	37	30	41	34	41	37
18	IH-0965	17	26	29	24	24	33	21	38	32	24	41	30	37	34
19	IH-1604	36	29	35	28	32	35	30	36	35	29	41	36	34	36
20	IMHL-K-1	37	31	33	30	32	31	33	35	31	30	41	38	35	36
21	IMHL-K-2	30	33	31	34	32	35	28	38	33	29	40	39	39	37
22	IMHL-K-3	27	31	34	30	31	36	30	33	34	23	41	39	42	36
23	IMHSB-18K-03	32	30	36	30	33	33	27	35	32	27	41	37	31	34
24	IMHSB-18K-04	34	31	30	30	32	35	24	33	32	23	41	34	38	35
25	IMHSB-18K-07	37	31	29	34	33	38	33	35	35	28	41	38	36	36
26	IMHSB-18K-10	34	29	33	24	30	33	26	34	32	25	40	33	37	34
27	IMHSB-18K-11	34	31	35	26	31	38	33	35	34	28	40	35	32	34
28	IMHSB-18K-12	31	29	26	32	29	39	22	37	32	28	41	32	36	35
29	IMHSB-18K-13	29	29	34	32	31	38	28	37	35	25	40	39	36	35

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	CWZ					NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	BHU_UP	Ranchi_JH	Bhub_OD	Z_NEPZ	Sabo_BH	Karnal_HR	Ludh_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	38	31	34	32	34	34	33	36	35	30	40	39	39	37
31	IMHSB-18K-15	32	28	32	34	31	36	30	38	35	21	42	33	36	34
32	IMHSB-18K-16	30	29	32	32	31	34	24	36	31	27	41	39	35	36
33	IMHSB-18K-18	28	25	30	30	28	36	21	38	32	29	40	29	40	35
34	IMHSB-18K-2	33	29	29	30	30	34	21	38	32	26	42	31	34	34
35	IMHSB-18K-5	32	29	28	30	30	31	30	33	31	28	40	36	29	33
36	IMHSB-18K-6	33	29	33	32	32	36	32	34	33	28	40	40	30	35
37	IMHSB-18K-8	37	29	34	31	33	37	34	37	35	22	41	38	37	34
38	IMHSB-18K-9	39	30	36	26	32	33	26	37	31	25	41	34	39	34
39	IMHVS-001	34	29	32	32	31	39	32	36	36	30	41	41	37	37
40	IMHVS-002	37	27	31	34	32	36	35	36	36	30	41	38	37	37
41	INDAM 1118	40	30	34	32	34	34	34	37	36	27	40	40	40	37
42	IS8249(DKC8191)	39	29	34	31	33	35	26	37	32	24	41	40	36	36
43	IS8425(DKC9194)	37	29	34	33	34	29	26	35	31	28	42	41	36	37
44	IS8640(DKC9198)	37	32	38	36	36	39	47	33	39	29	40	41	33	36
45	IS8723(DKC9190)	37	29	33	35	34	40	34	36	37	26	40	44	39	38
46	JKMH1518	33	32	26	34	31	35	26	37	33	29	42	36	35	36
47	KMH 17-105	26	28	32	21	27	32	30	33	32	30	42	36	36	36
48	KMH 17-6	31	28	34	29	31	36	31	34	33	28	41	37	36	36
49	KMH-004	39	31	34	37	35	36	37	36	36	29	40	43	38	37
50	KNMH-4181	33	30	30	33	31	36	24	36	33	23	42	32	38	35
51	KNMH-4182	33	28	33	31	32	35	20	37	31	22	41	32	36	33
52	KNMH-4183	35	28	31	31	32	35	26	36	33	26	42	36	37	35
53	KNMH-4184	29	31	32	26	29	41	29	37	34	28	41	36	39	36
54	LMH 1217	37	29	30	26	30	37	35	34	34	30	40	34	40	36
55	LMH 1417	35	32	32	27	32	37	23	36	30	30	41	36	38	36
56	LMH 3117	32	30	34	23	30	36	28	39	34	23	41	34	38	35
57	LMH 3417	29	30	38	25	31	33	21	38	32	26	41	38	38	36
58	MM9309	41	28	34	35	34	35	33	35	35	30	40	38	36	36

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	CWZ					NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	BHU_UP	Ranchi_JH	Bhub_OD	Z_NEPZ	Sabo_BH	Karnal_HR	Ludh_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	36	28	33	27	31	34	27	35	32	25	40	34	40	35
60	MMH18-11	26	26	27	24	26	28	31	35	30	29	40	40	31	35
61	MMH18-12	16	23	25	21	21	27	25	36	28	29	40	44	37	37
62	NAVNEET	30	27	22	24	27	32	23	35	29	29	39	31	34	33
63	OMH 17-47	39	30	35	31	34	36	31	35	35	24	41	37	39	35
64	PM18107M	36	31	34	29	33	37	36	37	37	22	41	40	41	36
65	PM18108M	36	30	34	36	34	35	33	35	35	27	41	40	38	37
66	RCRMH7(ZH138388)	37	29	31	28	31	33	34	38	35	27	42	40	37	36
67	RCRMH9(CAH1713)	33	30	31	29	31	32	29	30	31	29	42	35	36	35
68	SYN816604	33	28	30	33	31	37	31	33	34	31	40	39	38	36
69	TMMH886	12	18	17	23	17	.	22	35	.	27	40	30	24	30
70	TS2506	30	30	29	28	29	38	25	35	32	26	40	33	36	35
71	TUFAN	38	30	36	31	33	36	32	36	34	29	41	38	40	37
72	VH11130	35	32	33	29	33	38	31	36	36	24	41	40	35	35
73	VaMH 15015	32	29	28	29	29	34	30	36	33	28	41	34	36	35
74	ZH161032	33	33	36	29	32	36	33	36	35	29	40	40	36	36
75	DHM -117 (FILLER)	35	31	29	26	31	35	20	37	30	26	41	34	38	35
76	BIO 9544 (C)	36	29	36	34	34	38	32	36	35	27	39	37	37	36
77	CMH-08-292 (C)	35	30	36	32	33	34	32	37	35	30	40	38	40	36
78	DHM-121 (C)	36	29	24	34	31	39	29	35	34	27	41	36	35	35
	Location Mean	33	29	32	30	31	35	29	36	33	27	41	37	37	35
	CV (%)	15.8	7.2	13.2	14.8	13.4	10.1	19.2	5.3	11.9	17.5	2.8	8.1	12.8	10.3
	F (Prob)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.8	0.8	0.0	0.5	1.0
	CD (5%)	8.4	3.4	6.8	7.1	3.5	5.7	9.1	3.1	3.7	7.7	1.9	4.8	7.5	2.9
	CD (1%)	11.1	4.5	8.9	9.4	4.6	7.6	12.0	4.1	4.9	10.1	2.5	6.3	10.0	3.8

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	PZ										All India
		Pant_UK	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	30	37	39	30	35	33	34	39	31	34	34
2	AH 4271	31	39	39	30	35	30	36	40	32	35	34
3	AH8070	33	37	38	33	35	37	33	41	32	35	35
4	AH8071	30	34	32	32	32	32	35	40	31	33	34
5	BH416032	27	37	41	32	34	33	37	39	31	35	35
6	BH416067	30	38	39	34	36	36	40	38	31	35	34
7	BH416215	27	30	33	32	35	31	34	36	29	32	33
8	BLH136	28	33	39	33	35	34	37	41	27	34	34
9	CAH1511	32	41	40	31	36	37	38	40	32	36	35
10	CMH2425	29	35	36	30	32	35	36	37	31	34	33
11	CMH2525	28	41	39	28	35	35	34	41	31	35	34
12	DH-316	31	36	37	30	35	32	35	37	28	33	34
13	DH-317	18	18	30	29	32	24	34	26	17	26	27
14	H1013	20	28	33	31	32	31	34	37	23	30	29
15	HKH-368	29	31	33	29	35	31	36	35	29	32	32
16	HKH-369	25	23	30	29	33	30	35	26	26	29	30
17	HT18607	29	40	35	32	33	34	34	41	29	34	35
18	IH-0965	23	24	36	29	36	27	35	36	27	30	30
19	IH-1604	31	40	38	33	33	35	36	39	32	35	35
20	IMHL-K-1	28	35	36	29	34	30	37	37	25	32	33
21	IMHL-K-2	31	34	37	31	34	31	35	41	30	34	34
22	IMHL-K-3	29	35	39	30	34	34	35	39	29	34	34
23	IMHSB-18K-03	31	36	37	30	33	35	38	36	29	34	34
24	IMHSB-18K-04	29	36	40	31	35	35	34	39	29	34	33
25	IMHSB-18K-07	32	39	41	28	34	31	36	41	32	35	35
26	IMHSB-18K-10	28	37	36	32	34	34	35	39	25	33	32
27	IMHSB-18K-11	26	38	37	30	33	32	34	39	32	34	33
28	IMHSB-18K-12	29	34	38	30	34	32	36	38	32	34	33
29	IMHSB-18K-13	31	41	37	33	34	32	35	38	33	35	34

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	PZ										All India
		Pant_UK	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	31	38	37	32	32	34	35	38	30	34	35
31	IMHSB-18K-15	33	40	37	30	33	36	37	39	27	35	34
32	IMHSB-18K-16	32	35	38	30	34	34	35	42	32	34	33
33	IMHSB-18K-18	27	27	35	31	35	31	36	41	27	32	32
34	IMHSB-18K-2	30	35	39	31	33	34	36	42	31	35	33
35	IMHSB-18K-5	28	32	35	31	32	34	37	37	29	33	32
36	IMHSB-18K-6	30	37	41	30	34	34	33	42	31	35	34
37	IMHSB-18K-8	29	38	40	33	33	33	38	37	31	35	34
38	IMHSB-18K-9	31	40	38	32	36	36	36	41	31	36	34
39	IMHVS-001	32	38	36	31	32	32	35	39	33	34	34
40	IMHVS-002	29	39	40	31	33	32	35	38	32	34	35
41	INDAM 1118	33	32	38	30	35	36	37	39	32	34	35
42	IS8249(DKC8191)	30	39	39	34	37	34	35	41	32	36	35
43	IS8425(DKC9194)	31	38	40	33	35	35	36	37	33	35	35
44	IS8640(DKC9198)	31	39	41	32	36	33	37	39	32	36	36
45	IS8723(DKC9190)	30	35	39	33	36	32	36	40	31	35	36
46	JKMH1518	32	39	40	30	35	35	37	39	31	35	34
47	KMH 17-105	29	33	40	30	34	29	35	37	29	33	32
48	KMH 17-6	28	36	38	30	35	30	33	38	27	33	33
49	KMH-004	32	38	37	34	36	35	35	41	28	35	35
50	KNMH-4181	29	38	36	31	34	33	35	36	32	34	33
51	KNMH-4182	28	38	38	31	33	32	35	36	29	34	33
52	KNMH-4183	32	36	34	30	35	32	38	36	32	34	33
53	KNMH-4184	29	35	35	30	32	31	35	39	26	33	33
54	LMH 1217	30	38	35	34	30	33	28	45	29	34	34
55	LMH 1417	27	34	35	31	34	33	36	39	29	33	33
56	LMH 3117	30	35	36	31	36	29	33	40	32	34	33
57	LMH 3417	29	40	40	33	36	35	34	42	27	35	34
58	MM9309	30	41	39	31	34	34	35	42	29	34	35

Table No. 3 (Contd.) **Ear (Number)**

S. No.	Entry	PZ										All India
		Pant_UK	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	29	34	34	31	33	33	36	39	28	33	33
60	MMH18-11	15	22	25	23	34	27	34	31	26	26	29
61	MMH18-12	18	27	32	26	31	25	32	36	16	27	28
62	NAVNEET	26	21	29	29	34	32	37	36	21	30	30
63	OMH 17-47	32	37	41	33	35	34	34	40	30	35	35
64	PM18107M	31	37	39	34	34	36	37	40	33	36	35
65	PM18108M	29	39	38	32	35	34	37	40	31	35	35
66	RCRMH7(ZH138388)	27	38	38	33	31	29	36	40	30	34	34
67	RCRMH9(CAH1713)	27	38	38	30	35	36	35	39	33	34	33
68	SYN816604	31	31	41	31	31	36	38	42	30	35	34
69	TMMH886	22	23	30	25	35	25	19	36	25	27	.
70	TS2506	28	32	34	30	34	34	34	33	29	32	32
71	TUFAN	28	37	38	30	34	31	38	38	30	34	34
72	VH11130	31	38	40	30	35	35	34	41	31	35	35
73	VaMH 15015	31	31	39	31	34	34	36	37	28	33	33
74	ZH161032	29	35	39	32	35	35	38	43	31	35	35
75	DHM -117 (FILLER)	27	31	36	28	31	33	34	39	30	33	32
76	BIO 9544 (C)	32	39	38	29	36	36	36	43	33	36	35
77	CMH-08-292 (C)	32	31	35	31	31	32	37	40	30	33	34
78	DHM-121 (C)	28	35	35	31	36	34	36	39	28	34	33
	Location Mean	29	35	37	31	34	33	35	39	29	34	33
	CV (%)	8.0	9.8	8.5	6.7	7.2	8.1	8.8	8.8	8.5	8.4	10.4
	F (Prob)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.0	1.0
	CD (5%)	3.7	5.5	5.1	3.3	4.0	4.3	5.0	5.5	4.0	1.6	1.3
	CD (1%)	4.9	7.3	6.7	4.4	5.2	5.6	6.6	7.3	5.3	2.1	1.7

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	CWZ			NEPZ				NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Sabour_Bihar	Z_NEPZ	Bhub_OD	Karnal_HR	Sabo_BH	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	35	28	32	37	36	37	37	30	40	38	36
2	AH 4271	32	32	32	37	36	36	36	30	39	39	36
3	AH8070	31	33	33	39	36	37	38	30	39	38	36
4	AH8071	33	23	30	39	39	37	38	30	39	39	36
5	BH416032	33	31	33	38	36	38	37	30	40	38	36
6	BH416067	31	32	32	40	36	37	38	30	40	35	35
7	BH416215	32	30	31	37	35	37	36	30	40	38	36
8	BLH136	31	34	32	37	37	37	37	30	39	37	35
9	CAH1511	32	32	32	38	35	38	37	30	40	39	36
10	CMH2425	30	31	31	39	43	38	40	29	40	40	36
11	CMH2525	32	33	33	38	41	37	38	30	39	37	36
12	DH-316	35	30	33	38	37	37	38	30	40	38	36
13	DH-317	30	28	29	23	25	38	28	30	40	32	34
14	H1013	29	25	27	21	34	35	30	30	39	35	35
15	HKH-368	33	30	31	39	38	37	38	30	40	34	35
16	HKH-369	28	30	30	29	32	38	33	30	40	35	35
17	HT18607	33	40	37	35	42	38	38	30	40	39	36
18	IH-0965	31	27	29	35	37	39	37	30	39	36	35
19	IH-1604	32	34	32	37	43	37	38	30	39	37	36
20	IMHL-K-1	34	32	33	29	38	36	34	30	39	36	35
21	IMHL-K-2	36	36	35	36	35	39	36	30	40	38	36
22	IMHL-K-3	33	33	33	35	37	34	36	30	40	41	36
23	IMHSB-18K-03	32	33	34	38	39	36	37	30	39	32	34
24	IMHSB-18K-04	33	32	33	37	38	34	36	30	39	39	36
25	IMHSB-18K-07	34	37	36	40	40	36	38	30	39	36	36
26	IMHSB-18K-10	32	27	29	35	41	35	37	30	40	38	36
27	IMHSB-18K-11	33	29	31	36	38	37	37	30	39	33	34
28	IMHSB-18K-12	33	34	33	37	36	38	37	30	40	36	35
29	IMHSB-18K-13	32	34	33	39	37	38	38	30	40	36	35

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	CWZ			NEPZ				NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Sabour_Bihar	Z_NEPZ	Bhub_OD	Karnal_HR	Sabo_BH	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	33	33	34	35	40	37	37	29	39	39	35
31	IMHSB-18K-15	30	36	32	36	44	39	39	30	40	40	36
32	IMHSB-18K-16	31	35	33	35	38	37	37	30	40	33	35
33	IMHSB-18K-18	28	34	31	35	37	39	37	30	39	39	36
34	IMHSB-18K-2	32	35	33	35	37	39	37	30	40	34	35
35	IMHSB-18K-5	31	33	32	31	38	35	35	30	39	33	34
36	IMHSB-18K-6	32	34	33	37	36	35	35	30	40	28	33
37	IMHSB-18K-8	32	31	31	40	37	38	38	30	39	38	36
38	IMHSB-18K-9	33	30	31	35	40	38	37	30	39	38	36
39	IMHVS-001	32	37	34	40	36	38	38	30	39	37	36
40	IMHVS-002	30	38	34	38	26	37	34	30	39	36	36
41	INDAM 1118	32	36	34	36	41	39	39	30	39	40	36
42	IS8249(DKC8191)	31	32	32	36	36	38	37	30	40	37	36
43	IS8425(DKC9194)	32	37	34	39	43	36	39	30	39	37	36
44	IS8640(DKC9198)	35	38	35	37	42	35	39	30	40	37	35
45	IS8723(DKC9190)	34	39	36	39	38	37	39	30	39	37	35
46	JKMH1518	33	36	34	37	38	38	38	30	40	36	35
47	KMH 17-105	32	26	30	36	39	34	37	30	40	37	36
48	KMH 17-6	30	28	29	38	37	35	36	30	39	36	35
49	KMH-004	34	40	37	37	36	37	37	30	39	38	36
50	KNMH-4181	33	36	33	38	39	36	38	30	40	38	36
51	KNMH-4182	32	33	32	34	37	38	37	30	40	36	35
52	KNMH-4183	31	35	33	36	34	37	37	30	39	36	35
53	KNMH-4184	33	30	32	43	41	38	40	30	39	39	36
54	LMH 1217	30	31	30	36	34	35	34	30	40	39	36
55	LMH 1417	33	32	34	38	37	37	37	30	39	37	35
56	LMH 3117	32	25	29	37	34	40	37	30	40	36	36
57	LMH 3417	32	33	33	37	38	39	37	30	39	39	36
58	MM9309	31	38	35	37	41	36	39	30	39	38	35

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	CWZ			NEPZ				NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Sabour_Bihar	Z_NEPZ	Bhub_OD	Karnal_HR	Sabo_BH	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	31	32	31	34	37	36	36	30	39	40	36
60	MMH18-11	28	29	29	22	27	37	28	30	39	32	34
61	MMH18-12	26	24	25	28	24	37	29	30	40	35	35
62	NAVNEET	31	27	29	29	29	36	31	30	39	36	35
63	OMH 17-47	33	37	35	37	40	37	38	30	39	39	36
64	PM18107M	34	37	35	39	39	38	39	30	39	40	36
65	PM18108M	32	38	36	37	37	36	37	30	39	37	35
66	RCRMH7(ZH138388)	33	33	33	34	37	38	37	30	40	38	36
67	RCRMH9(CAH1713)	32	28	32	34	36	31	34	30	40	37	36
68	SYN816604	31	32	31	39	36	35	37	30	40	40	36
69	TMMH886	21	30	26	.	31	36	.	30	39	29	32
70	TS2506	32	31	32	38	35	36	36	30	40	36	36
71	TUFAN	33	35	33	37	36	37	36	30	40	41	36
72	VH11130	34	32	34	38	35	37	37	30	40	37	36
73	VaMH 15015	31	31	30	35	38	36	37	30	40	38	36
74	ZH161032	36	32	33	36	35	37	37	30	39	38	36
75	DHM -117 (FILLER)	33	30	32	35	38	37	37	30	39	37	35
76	BIO 9544 (C)	31	33	33	39	36	36	37	30	39	38	36
77	CMH-08-292 (C)	32	36	33	37	38	37	38	30	40	40	36
78	DHM-121 (C)	31	38	34	40	37	35	37	30	39	35	35
	Location Mean	32	33	32	36	37	37	37	30	40	37	35
	CV (%)	6.9	12.0	9.9	8.8	10.9	4.9	8.6	0.8	1.6	11.4	6.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	0.8	0.0
	CD (5%)	3.6	6.3	3.8	5.2	6.5	2.9	3.0	0.4	1.0	6.8	2.2
	CD (1%)	4.7	8.4	5.1	6.8	8.6	3.9	4.0	0.5	1.4	9.0	2.8

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Ludh_PB	Pant_UK	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	33	40	40	33	36	33	37	40	32	36	36
2	AH 4271	32	41	40	31	37	33	39	45	34	37	36
3	AH8070	33	37	40	36	37	37	37	44	33	37	36
4	AH8071	31	35	33	36	34	32	38	42	33	35	35
5	BH416032	30	36	41	34	37	34	38	44	31	36	36
6	BH416067	31	38	40	35	37	35	40	41	34	37	36
7	BH416215	29	32	33	33	38	32	38	37	31	34	34
8	BLH136	30	35	39	36	37	33	39	43	30	36	35
9	CAH1511	32	39	41	33	39	35	38	39	33	37	36
10	CMH2425	31	36	39	31	34	36	42	40	33	36	36
11	CMH2525	30	40	41	32	37	37	36	42	33	36	36
12	DH-316	34	39	39	32	37	33	41	40	32	36	36
13	DH-317	17	18	36	33	34	24	37	25	17	27	29
14	H1013	19	30	37	34	33	28	37	36	23	31	31
15	HKH-368	33	35	37	31	38	34	39	39	30	35	35
16	HKH-369	25	23	32	31	35	30	38	30	27	30	31
17	HT18607	30	41	37	34	36	34	39	41	31	36	37
18	IH-0965	22	28	39	31	38	27	40	39	26	32	33
19	IH-1604	33	39	39	35	35	35	40	43	32	37	36
20	IMHL-K-1	29	34	41	35	36	26	38	40	28	34	34
21	IMHL-K-2	32	36	40	34	36	32	37	40	32	36	36
22	IMHL-K-3	31	36	41	32	37	34	37	41	32	36	36
23	IMHSB-18K-03	32	38	39	34	36	36	38	38	32	36	35
24	IMHSB-18K-04	32	37	40	34	38	34	36	42	33	36	36
25	IMHSB-18K-07	32	39	41	31	36	32	39	44	33	36	36
26	IMHSB-18K-10	30	37	39	36	37	35	39	41	28	36	35
27	IMHSB-18K-11	31	38	39	33	36	31	38	38	33	36	35
28	IMHSB-18K-12	32	35	39	33	37	33	40	39	33	35	35
29	IMHSB-18K-13	31	40	40	35	35	33	37	42	34	36	36

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Ludh_PB	Pant_UK	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	33	38	40	33	35	34	40	42	31	36	36
31	IMHSB-18K-15	33	39	39	32	35	35	41	40	32	36	36
32	IMHSB-18K-16	32	37	40	32	37	33	40	43	32	36	36
33	IMHSB-18K-18	28	28	40	33	36	32	39	42	29	34	35
34	IMHSB-18K-2	31	35	41	33	35	35	42	40	34	36	36
35	IMHSB-18K-5	29	32	38	35	34	36	40	40	31	35	34
36	IMHSB-18K-6	30	39	41	34	37	34	38	44	31	37	35
37	IMHSB-18K-8	32	38	43	35	35	32	40	40	33	36	36
38	IMHSB-18K-9	34	39	39	35	38	37	40	43	34	38	36
39	IMHVS-001	32	37	38	32	35	32	39	41	34	35	36
40	IMHVS-002	32	40	40	33	36	33	37	43	35	36	35
41	INDAM 1118	34	34	40	31	38	37	42	41	34	36	37
42	IS8249(DKC8191)	32	39	41	37	42	32	38	44	33	37	36
43	IS8425(DKC9194)	32	42	40	35	37	36	38	41	34	37	37
44	IS8640(DKC9198)	32	39	40	35	38	35	39	41	33	37	37
45	IS8723(DKC9190)	32	37	41	35	38	29	41	42	32	36	36
46	JKMH1518	32	40	41	33	37	36	40	41	33	37	37
47	KMH 17-105	31	37	41	33	36	28	39	39	34	35	35
48	KMH 17-6	30	37	40	33	37	33	38	40	30	35	35
49	KMH-004	32	39	36	35	38	35	38	43	31	36	36
50	KNMH-4181	30	40	37	34	37	35	39	39	35	36	36
51	KNMH-4182	31	42	42	34	35	30	38	40	31	36	36
52	KNMH-4183	32	38	38	34	37	31	41	38	32	36	35
53	KNMH-4184	31	38	37	35	34	34	39	42	31	36	36
54	LMH 1217	31	38	36	36	31	37	39	43	31	36	35
55	LMH 1417	29	36	36	35	36	33	38	38	32	35	35
56	LMH 3117	32	38	40	33	38	32	37	43	33	36	35
57	LMH 3417	32	36	40	34	38	35	38	43	31	36	36
58	MM9309	32	38	39	33	37	37	40	42	33	36	36

Table No. 3 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Ludh_PB	Pant_UK	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	31	34	37	34	35	32	41	42	31	35	35
60	MMH18-11	14	22	26	27	36	29	37	31	28	27	29
61	MMH18-12	18	29	35	28	33	25	35	41	17	29	30
62	NAVNEET	28	21	30	31	37	31	36	35	23	30	31
63	OMH 17-47	33	35	42	36	37	35	38	41	31	36	36
64	PM18107M	32	37	39	36	36	34	39	43	34	37	37
65	PM18108M	30	41	39	34	37	35	39	42	32	37	36
66	RCRMH7(ZH138388)	30	37	39	36	33	29	39	43	32	35	35
67	RCRMH9(CAH1713)	28	38	40	32	38	35	37	40	34	36	35
68	SYN816604	31	31	41	34	34	34	39	43	32	36	35
69	TMMH886	20	30	34	26	38	27	35	38	25	31	.
70	TS2506	30	36	36	33	36	32	39	38	34	35	35
71	TUFAN	32	38	39	32	37	31	41	37	32	36	36
72	VH11130	33	37	40	32	37	34	38	42	32	36	36
73	VaMH 15015	32	32	40	33	37	36	41	39	31	36	35
74	ZH161032	32	38	40	35	38	34	39	44	32	37	36
75	DHM -117 (FILLER)	29	32	39	30	34	34	38	42	33	35	35
76	BIO 9544 (C)	32	39	39	32	38	34	38	40	32	36	36
77	CMH-08-292 (C)	34	32	36	34	33	31	38	43	32	35	35
78	DHM-121 (C)	32	36	37	34	37	37	39	43	29	36	36
	Location Mean	30	36	39	33	36	33	39	40	31	35	35
	CV (%)	7.7	9.6	7.3	5.4	7.1	7.9	5.4	8.8	7.6	7.6	8.0
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0
	CD (5%)	3.8	5.5	4.6	2.9	4.2	4.2	3.4	5.8	3.8	1.5	1.1
	CD (1%)	5.0	7.3	6.0	3.9	5.5	5.6	4.5	7.6	5.1	2.0	1.5

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	CWZ						NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Sabour_Bihar	Sabo_BH	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	54	68	59	66	58	61	76	72	66	72	62	64	84	62	69
2	AH 4271	56	60	60	76	48	59	76	74	66	72	47	67	82	61	66
3	AH8070	70	61	67	77	50	65	81	71	67	73	58	64	81	62	68
4	AH8071	62	64	58	63	32	58	82	70	68	73	72	63	75	64	66
5	BH416032	61	67	56	73	46	62	79	75	69	73	48	67	82	64	65
6	BH416067	42	61	59	71	48	56	84	70	68	74	70	66	87	58	69
7	BH416215	68	62	58	72	51	62	76	72	66	71	59	65	83	62	66
8	BLH136	56	60	55	75	45	59	77	71	69	72	66	64	78	61	67
9	CAH1511	62	62	57	75	57	63	78	79	68	75	45	65	81	62	64
10	CMH2425	45	58	54	78	50	57	80	74	69	74	51	64	80	64	65
11	CMH2525	60	61	55	79	62	64	79	76	69	74	56	65	79	60	67
12	DH-316	54	70	59	71	54	62	78	74	68	74	57	66	76	62	65
13	DH-317	27	58	45	63	34	45	48	73	69	62	54	64	73	50	61
14	H1013	39	54	46	62	35	48	45	70	63	60	62	64	74	57	64
15	HKH-368	60	64	49	70	41	55	80	72	68	73	73	64	74	55	66
16	HKH-369	44	53	48	74	31	51	60	71	69	67	70	65	76	56	65
17	HT18607	60	65	57	90	63	65	74	76	70	73	66	64	78	65	68
18	IH-0965	31	59	53	65	30	48	72	70	70	71	54	64	66	61	62
19	IH-1604	60	62	65	81	63	65	77	73	68	73	64	65	85	58	68
20	IMHL-K-1	63	66	57	75	49	60	61	73	66	66	67	64	80	58	67
21	IMHL-K-2	50	68	53	81	37	58	76	73	70	73	64	64	80	62	67
22	IMHL-K-3	45	65	54	76	40	57	73	70	62	69	52	66	85	68	66
23	IMHSB-18K-03	53	63	56	80	35	59	79	72	65	72	61	64	83	51	65
24	IMHSB-18K-04	58	65	55	74	47	61	76	77	61	72	50	67	75	63	66
25	IMHSB-18K-07	62	65	53	84	56	64	84	79	67	76	62	64	81	58	67
26	IMHSB-18K-10	57	61	55	64	57	58	74	75	65	72	56	66	81	62	66
27	IMHSB-18K-11	59	64	57	69	59	62	76	77	66	73	62	63	88	53	67
28	IMHSB-18K-12	51	62	50	78	34	54	76	70	70	73	63	65	75	58	66
29	IMHSB-18K-13	50	63	61	76	47	60	82	74	69	75	55	66	84	60	66

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	CWZ						NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Sabour_Bihar	Sabo_BH	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	64	65	58	79	60	64	72	70	67	71	66	62	81	63	69
31	IMHSB-18K-15	53	59	57	85	54	61	74	75	70	74	45	66	82	62	64
32	IMHSB-18K-16	51	60	55	77	49	58	74	72	67	71	59	64	67	56	62
33	IMHSB-18K-18	48	54	60	77	39	55	74	73	70	72	65	64	81	66	69
34	IMHSB-18K-2	56	63	54	76	59	62	73	74	72	73	58	65	85	56	65
35	IMHSB-18K-5	54	59	53	77	59	60	66	71	62	66	62	65	75	49	62
36	IMHSB-18K-6	55	62	56	80	49	60	76	77	64	71	63	65	85	46	66
37	IMHSB-18K-8	62	62	62	70	58	63	83	73	70	74	47	65	83	62	63
38	IMHSB-18K-9	67	62	59	69	53	62	73	73	69	72	56	66	82	63	66
39	IMHVS-001	57	61	59	79	57	62	84	71	70	75	65	64	84	61	68
40	IMHVS-002	63	57	61	82	55	64	79	76	68	74	68	65	87	61	70
41	INDAM 1118	67	62	60	78	48	63	74	77	69	75	60	64	81	67	69
42	IS8249(DKC8191)	66	61	65	76	61	65	75	82	70	76	54	66	83	60	67
43	IS8425(DKC9194)	63	61	60	84	50	64	82	71	66	73	61	66	85	60	69
44	IS8640(DKC9198)	64	70	58	80	45	62	77	78	63	73	64	63	83	58	67
45	IS8723(DKC9190)	63	62	60	83	56	65	81	75	68	75	58	64	88	61	68
46	JKMH1518	59	67	51	82	54	62	77	80	68	75	65	67	87	59	70
47	KMH 17-105	45	60	56	64	63	59	76	68	62	69	67	65	80	59	68
48	KMH 17-6	52	60	56	69	57	58	78	77	63	73	61	65	79	58	67
49	KMH-004	64	66	55	86	62	66	78	76	68	73	65	63	86	62	68
50	KNMH-4181	55	63	58	80	55	62	80	76	67	74	51	66	76	61	65
51	KNMH-4182	57	57	65	77	51	61	71	73	68	71	50	64	77	59	64
52	KNMH-4183	61	59	58	78	41	60	75	70	68	71	57	65	80	59	65
53	KNMH-4184	50	66	61	72	45	58	89	72	69	75	61	65	79	65	67
54	LMH 1217	61	60	54	70	56	61	75	73	64	70	67	64	73	64	66
55	LMH 1417	60	67	58	75	61	65	80	71	67	72	66	64	69	63	64
56	LMH 3117	54	65	63	63	56	61	77	73	74	74	51	65	71	60	64
57	LMH 3417	51	63	62	72	57	61	77	74	71	75	58	64	77	64	66
58	MM9309	70	59	57	81	64	66	78	72	66	73	66	64	89	60	69

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	CWZ						NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Sabour_Bihar	Sabo_BH	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	60	59	58	72	47	58	72	74	65	71	57	64	68	63	63
60	MMH18-11	44	54	45	71	27	48	47	72	67	62	65	65	88	51	66
61	MMH18-12	27	48	44	56	20	39	58	71	67	65	65	66	82	59	68
62	NAVNEET	51	58	38	65	27	49	61	70	65	65	65	63	76	57	64
63	OMH 17-47	68	62	61	80	49	63	77	75	68	75	54	67	76	63	66
64	PM18107M	61	68	58	83	37	61	81	77	70	76	49	65	79	66	66
65	PM18108M	61	63	58	80	65	66	77	77	66	74	61	66	86	60	68
66	RCRMH7(ZH138388)	63	63	53	75	51	60	71	74	70	72	59	65	82	61	67
67	RCRMH9(CAH1713)	55	63	53	71	51	60	70	73	56	67	62	64	77	59	65
68	SYN816604	56	58	50	74	51	59	82	72	63	72	69	66	84	64	69
69	TMMH886	21	39	43	70	29	41	.	68	65	.	59	64	71	39	58
70	TS2506	53	62	51	71	52	58	79	69	66	71	59	64	86	58	66
71	TUFAN	63	65	60	78	43	61	77	78	67	73	65	65	85	64	68
72	VH11130	58	68	59	72	53	63	80	77	67	75	54	64	85	58	65
73	VaMH 15015	55	61	48	52	58	53	73	75	66	72	62	65	83	60	66
74	ZH161032	54	72	62	74	54	62	75	73	67	71	65	63	79	59	67
75	DHM -117 (FILLER)	59	64	56	73	57	63	74	71	68	71	57	65	80	62	67
76	BIO 9544 (C)	59	61	63	74	57	64	81	75	67	74	59	63	89	60	69
77	CMH-08-292 (C)	58	61	60	80	50	61	77	69	68	72	66	64	79	65	67
78	DHM-121 (C)	61	60	51	81	41	58	83	75	65	73	59	65	83	57	67
	Location Mean	56	62	56	74	49	59	75	73	67	72	60	65	80	60	66
	CV (%)	15.2	7.5	10.6	10.7	20.7	12.9	8.8	4.7	4.8	6.6	17.7	2.7	7.6	12.2	10.8
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.5	0.0
	CD (5%)	13.6	7.5	9.6	12.9	16.5	5.7	10.7	5.6	5.3	4.6	17.1	2.9	9.9	11.8	5.7
	CD (1%)	18.0	10.0	12.6	17.1	21.8	7.5	14.2	7.4	6.9	6.1	22.6	3.8	13.0	15.6	7.5

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	65	77	82	63	58	66	61	64	65	67	66
2	AH 4271	65	82	83	63	58	62	64	67	70	68	66
3	AH8070	66	73	80	68	58	77	60	66	66	68	68
4	AH8071	63	68	67	65	53	65	63	64	67	64	65
5	BH416032	59	72	85	67	57	70	66	65	65	68	67
6	BH416067	63	77	82	72	59	72	72	64	68	69	66
7	BH416215	57	63	70	66	59	67	61	60	63	63	65
8	BLH136	60	69	80	71	58	66	68	67	61	67	66
9	CAH1511	66	78	82	64	61	73	67	67	69	70	68
10	CMH2425	62	72	78	60	53	73	64	61	67	66	65
11	CMH2525	61	83	83	61	58	73	60	65	67	68	68
12	DH-316	67	74	78	61	58	65	63	62	59	65	66
13	DH-317	35	37	67	63	53	49	61	40	35	49	52
14	H1013	38	57	71	65	52	58	60	60	47	57	57
15	HKH-368	65	65	76	62	59	68	63	59	60	64	63
16	HKH-369	51	47	64	60	55	61	63	44	54	56	58
17	HT18607	62	82	75	65	54	69	60	66	65	67	68
18	IH-0965	42	52	79	60	60	53	62	60	54	58	58
19	IH-1604	67	80	81	68	55	68	65	66	68	69	68
20	IMHL-K-1	57	73	82	67	56	57	66	62	53	63	64
21	IMHL-K-2	64	68	77	66	56	64	62	63	66	65	65
22	IMHL-K-3	62	73	84	63	57	68	61	64	59	66	64
23	IMHSB-18K-03	65	73	78	67	56	70	67	61	65	67	66
24	IMHSB-18K-04	65	75	83	65	60	68	60	64	66	67	66
25	IMHSB-18K-07	63	76	83	59	56	66	64	67	70	67	68
26	IMHSB-18K-10	60	74	75	66	58	70	63	64	55	65	64
27	IMHSB-18K-11	60	80	78	62	56	62	62	61	69	66	66
28	IMHSB-18K-12	66	68	78	62	58	65	65	61	69	65	64
29	IMHSB-18K-13	62	83	80	68	55	66	63	62	69	67	66

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	66	75	78	64	53	68	63	61	63	66	67
31	IMHSB-18K-15	67	79	78	60	55	71	65	60	62	66	66
32	IMHSB-18K-16	66	72	79	61	57	68	62	67	67	67	64
33	IMHSB-18K-18	55	57	79	64	57	64	63	66	60	63	64
34	IMHSB-18K-2	62	70	82	65	55	71	64	62	67	67	66
35	IMHSB-18K-5	56	64	77	68	52	70	66	63	61	64	63
36	IMHSB-18K-6	62	78	83	64	58	71	59	68	66	68	66
37	IMHSB-18K-8	64	75	83	69	53	67	67	63	67	67	67
38	IMHSB-18K-9	68	79	79	67	60	72	64	68	68	69	67
39	IMHVS-001	68	77	80	63	53	62	63	65	69	66	67
40	IMHVS-002	64	80	83	63	57	64	62	64	69	67	68
41	INDAM 1118	66	66	82	62	57	75	65	63	65	67	67
42	IS8249(DKC8191)	65	74	83	72	65	68	63	67	67	69	69
43	IS8425(DKC9194)	65	78	82	69	59	72	63	63	70	69	68
44	IS8640(DKC9198)	64	78	86	66	59	70	66	63	67	69	67
45	IS8723(DKC9190)	65	73	84	67	60	58	63	67	66	67	68
46	JKMH1518	63	79	84	64	59	73	65	64	68	69	68
47	KMH 17-105	63	70	85	64	56	57	62	61	67	65	65
48	KMH 17-6	60	72	79	64	57	66	60	63	58	64	65
49	KMH-004	65	78	76	68	60	70	63	66	62	68	68
50	KNMH-4181	61	78	76	64	57	72	62	63	71	67	66
51	KNMH-4182	61	80	81	64	54	64	63	61	64	66	65
52	KNMH-4183	64	75	75	63	58	64	67	61	72	66	65
53	KNMH-4184	64	74	77	68	54	66	63	65	61	66	65
54	LMH 1217	62	77	75	74	49	72	50	67	58	65	65
55	LMH 1417	59	69	73	70	56	66	64	63	65	66	66
56	LMH 3117	65	75	77	64	60	64	60	66	67	66	65
57	LMH 3417	64	71	83	67	59	72	60	66	61	66	66
58	MM9309	64	78	82	65	57	71	64	66	65	67	68

Table No. 3 (Contd.) **Final Plant Stand ('000/ha)**

S. No.	Entry	PZ										All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	63	70	72	65	54	66	65	65	60	64	64
60	MMH18-11	29	45	54	48	57	57	61	51	57	51	55
61	MMH18-12	36	54	69	54	52	51	58	64	31	52	54
62	NAVNEET	54	43	62	59	58	63	65	57	44	56	57
63	OMH 17-47	67	75	85	70	58	68	60	66	62	68	67
64	PM18107M	64	77	81	71	57	71	67	66	68	70	68
65	PM18108M	59	80	80	66	58	72	64	65	64	68	68
66	RCRMH7(ZH138388)	61	77	79	69	51	58	65	66	65	66	65
67	RCRMH9(CAH1713)	57	71	82	63	58	70	62	63	69	66	65
68	SYN816604	63	62	84	66	52	69	66	65	62	66	66
69	TMMH886	40	50	69	49	59	55	49	61	51	54	.
70	TS2506	60	67	73	62	57	66	60	56	63	62	63
71	TUFAN	63	76	80	63	57	66	68	62	70	67	67
72	VH11130	66	77	84	62	58	70	60	65	66	68	67
73	VaMH 15015	66	63	82	65	57	70	63	60	62	65	63
74	ZH161032	65	73	82	67	59	72	67	68	66	69	67
75	DHM -117 (FILLER)	58	63	77	57	52	66	62	65	65	63	65
76	BIO 9544 (C)	66	78	79	60	61	73	64	64	67	68	68
77	CMH-08-292 (C)	69	63	76	66	52	62	67	65	63	65	66
78	DHM-121 (C)	63	74	75	67	59	70	64	66	58	66	65
	Location Mean	61	71	78	64	57	67	63	63	63	65	65
	CV (%)	8.0	9.1	7.1	5.8	7.6	7.7	7.4	7.0	8.2	7.6	9.5
	F (Prob)	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	7.8	10.4	9.0	6.0	6.9	8.3	7.5	7.1	8.4	2.8	2.2
	CD (1%)	10.4	13.8	11.9	7.9	9.2	11.0	9.9	9.4	11.1	3.7	2.9

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ					
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	244	201	134	170	186	188	173	150	176	187	172	213	200	201	249	212	173
2	AH 4271	244	246	140	166	173	191	169	154	192	193	176	188	195	207	257	216	183
3	AH8070	274	201	154	164	193	197	168	161	200	194	180	185	212	200	268	220	199
4	AH8071	269	243	146	175	170	201	185	169	199	178	182	227	214	198	280	231	190
5	BH416032	263	248	159	171	199	208	175	177	216	165	184	178	224	181	269	216	186
6	BH416067	248	225	165	171	212	202	164	166	188	172	172	202	219	207	269	223	181
7	BH416215	263	218	164	163	208	202	181	166	217	201	190	228	226	189	274	226	184
8	BLH136	237	225	143	165	177	188	165	146	196	177	171	211	190	201	246	209	175
9	CAH1511	266	271	156	172	187	212	183	180	218	183	192	187	210	220	257	221	213
10	CMH2425	242	236	150	175	187	195	179	170	201	168	177	199	196	176	257	207	171
11	CMH2525	238	219	148	162	182	190	174	154	191	191	178	205	192	188	235	209	177
12	DH-316	212	190	144	171	160	176	152	160	197	148	165	210	194	189	246	209	162
13	DH-317	239	242	146	161	190	192	175	151	192	155	167	205	181	193	248	205	187
14	H1013	222	211	143	178	154	182	151	151	176	166	163	229	166	175	217	198	164
15	HKH-368	258	218	152	171	197	199	169	154	206	177	176	197	206	207	248	214	193
16	HKH-369	235	225	155	164	175	191	168	162	195	204	181	222	199	197	237	210	195
17	HT18607	246	235	145	159	185	194	166	158	192	201	178	204	201	211	246	214	181
18	IH-0965	213	164	133	155	154	164	145	148	180	183	162	198	172	179	272	203	141
19	IH-1604	244	217	152	173	181	194	190	170	182	152	174	190	218	204	254	219	180
20	IMHL-K-1	274	254	147	173	205	209	197	169	229	180	192	191	204	221	252	218	201
21	IMHL-K-2	234	222	147	174	177	191	162	161	193	190	178	186	194	197	251	209	178
22	IMHL-K-3	243	218	131	183	183	192	171	165	199	163	173	194	200	193	255	206	168
23	IMHSB-18K-03	254	224	147	169	197	198	190	171	199	170	182	204	205	198	262	219	184
24	IMHSB-18K-04	254	258	147	157	201	205	201	170	213	166	188	134	221	209	260	208	201
25	IMHSB-18K-07	225	233	145	171	173	189	162	157	178	195	172	204	173	207	252	210	174
26	IMHSB-18K-10	250	236	148	167	163	194	146	149	166	193	165	203	186	180	251	204	177
27	IMHSB-18K-11	246	215	148	178	183	196	174	151	175	185	170	194	191	198	250	211	179
28	IMHSB-18K-12	272	210	160	168	174	196	176	173	201	170	181	214	216	190	247	216	198
29	IMHSB-18K-13	216	176	130	170	166	169	158	140	184	180	164	225	194	174	213	199	171

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ					
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	289	247	173	173	205	219	188	173	216	194	192	199	213	209	280	226	202
31	IMHSB-18K-15	268	245	163	163	196	207	191	180	207	164	188	189	222	193	258	217	201
32	IMHSB-18K-16	207	180	124	176	131	164	145	131	165	167	153	224	151	186	240	200	163
33	IMHSB-18K-18	268	195	145	172	180	192	192	166	203	189	186	199	217	220	247	215	199
34	IMHSB-18K-2	269	234	157	176	215	208	161	177	228	181	185	212	204	204	257	218	204
35	IMHSB-18K-5	265	255	176	157	200	210	181	181	208	190	191	198	223	212	213	210	207
36	IMHSB-18K-6	233	222	147	179	162	189	163	147	181	185	170	190	193	197	242	204	167
37	IMHSB-18K-8	251	234	161	171	207	204	174	183	218	191	191	186	207	214	277	219	187
38	IMHSB-18K-9	259	191	146	180	181	193	152	154	208	190	177	208	186	189	257	211	195
39	IMHVS-001	244	236	143	172	179	193	173	161	187	190	177	209	189	202	243	212	186
40	IMHVS-002	251	205	150	169	182	193	179	161	184	180	177	233	209	187	260	221	187
41	INDAM 1118	248	265	168	156	202	210	189	188	224	170	191	221	211	205	259	221	205
42	IS8249(DKC8191)	256	242	155	182	179	204	181	164	196	197	184	203	192	186	261	210	191
43	IS8425(DKC9194)	266	253	155	182	191	212	190	175	198	175	185	180	218	200	248	214	188
44	IS8640(DKC9198)	281	222	179	158	211	212	199	181	232	168	198	207	219	205	244	222	208
45	IS8723(DKC9190)	295	208	171	166	226	214	213	195	253	178	207	201	219	237	257	230	224
46	JKMH1518	286	243	172	158	190	210	194	177	218	197	196	196	213	203	261	220	229
47	KMH 17-105	213	189	140	174	170	177	161	145	171	187	164	196	173	181	267	206	167
48	KMH 17-6	237	218	146	178	171	190	159	150	192	173	171	201	203	180	249	212	170
49	KMH-004	268	207	178	174	198	205	176	178	216	173	188	218	201	208	262	221	201
50	KNMH-4181	261	222	158	168	186	199	175	162	220	173	185	165	202	218	258	211	187
51	KNMH-4182	295	242	152	166	200	211	187	173	203	185	185	200	211	199	252	216	208
52	KNMH-4183	263	237	163	160	211	205	196	192	218	185	196	216	216	226	250	224	211
53	KNMH-4184	263	200	158	170	211	197	206	186	227	169	197	216	211	208	252	223	206
54	LMH 1217	265	235	166	179	202	209	181	173	205	175	182	203	225	217	258	225	195
55	LMH 1417	267	252	169	167	207	210	178	175	219	191	188	182	223	191	265	215	197
56	LMH 3117	233	244	150	172	175	193	170	143	180	155	162	215	182	197	247	211	173
57	LMH 3417	257	226	167	161	200	203	175	174	216	171	183	211	215	210	253	224	195
58	MM9309	279	212	157	172	196	203	176	163	217	171	183	225	214	220	249	225	195

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ					
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	245	218	137	197	159	193	168	156	195	200	180	207	195	200	264	216	175
60	MMH18-11	229	186	131	174	139	173	151	140	175	175	161	188	200	191	232	200	164
61	MMH18-12	237	196	139	169	166	182	158	143	184	182	166	186	187	196	235	203	193
62	NAVNEET	245	185	134	164	176	183	165	155	192	182	174	221	203	189	243	214	181
63	OMH 17-47	256	200	155	171	196	197	189	171	210	193	192	218	222	233	285	236	202
64	PM18107M	252	260	156	188	191	208	181	165	182	180	177	199	205	192	260	219	198
65	PM18108M	234	230	136	158	171	184	147	150	191	188	167	208	184	168	266	208	158
66	RCRMH7(ZH138388)	265	224	156	174	201	204	195	172	212	190	192	194	214	214	264	223	200
67	RCRMH9(CAH1713)	238	196	136	180	182	189	173	147	198	190	178	187	189	190	271	211	187
68	SYN816604	253	241	148	183	173	202	167	156	202	166	175	221	203	201	248	218	193
69	TMMH886	180	145	98	157	135	141	.	142	152	181	.	220	151	139	220	177	148
70	TS2506	241	232	149	171	215	203	190	164	206	179	186	215	200	213	255	220	204
71	TUFAN	251	219	139	184	182	193	148	158	186	176	166	209	197	186	250	210	181
72	VH11130	238	213	144	166	185	192	169	145	189	184	175	193	201	206	250	214	182
73	VaMH 15015	237	225	151	175	181	192	181	166	191	188	182	226	220	206	250	224	182
74	ZH161032	266	224	148	164	207	202	187	162	203	186	185	183	206	224	248	214	211
75	DHM -117 (FILLER)	252	248	147	172	213	205	199	176	203	189	189	202	208	204	269	224	209
76	BIO 9544 (C)	234	196	133	170	187	186	167	147	193	165	169	208	186	189	262	212	166
77	CMH-08-292 (C)	277	238	176	173	197	214	199	176	216	151	189	240	232	213	260	238	205
78	DHM-121 (C)	266	182	153	174	205	195	187	157	215	183	186	191	207	205	242	211	188
	Location Mean	251	222	150	170	186	196	175	163	199	180	179	203	202	199	253	215	188
	CV (%)	6.2	12.4	4.4	7.5	7.6	8.6	7.0	5.1	7.6	9.7	7.7	10.8	6.2	7.4	7.7	8.2	4.0
	F (Prob)	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	CD (5%)	24.9	44.5	10.8	20.7	22.8	12.9	19.9	13.5	24.6	28.2	11.7	35.4	20.4	23.8	31.4	15.1	12.0
	CD (1%)	33.0	58.9	14.2	27.4	30.1	17.0	26.3	17.9	32.6	37.3	15.4	46.8	27.0	31.5	41.6	19.9	15.8

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	PZ									All India
		Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	197	171	144	162	200	135	218	138	170	182
2	AH 4271	206	185	139	146	203	128	212	140	170	184
3	AH8070	213	195	148	154	207	151	183	158	180	191
4	AH8071	212	185	167	170	206	148	220	156	184	196
5	BH416032	219	199	154	162	204	152	211	153	183	195
6	BH416067	207	191	154	164	214	154	214	153	182	192
7	BH416215	223	211	165	185	215	150	221	178	190	200
8	BLH136	197	174	149	155	197	137	209	148	171	182
9	CAH1511	227	216	158	152	218	153	232	174	193	202
10	CMH2425	214	161	147	169	203	149	215	164	176	186
11	CMH2525	197	181	146	148	200	128	197	163	171	183
12	DH-316	199	174	140	144	183	130	216	145	165	176
13	DH-317	182	178	150	141	212	131	214	155	171	181
14	H1013	175	173	134	140	195	120	219	134	163	173
15	HKH-368	228	187	147	171	209	133	211	142	179	189
16	HKH-369	205	187	154	169	220	139	229	146	183	190
17	HT18607	197	183	147	159	206	131	237	132	174	187
18	IH-0965	160	152	123	140	184	117	197	127	149	165
19	IH-1604	191	173	144	133	205	147	209	144	171	185
20	IMHL-K-1	217	204	166	167	224	158	219	132	187	199
21	IMHL-K-2	188	178	149	155	189	137	229	149	172	184
22	IMHL-K-3	199	166	142	146	199	147	196	140	168	181
23	IMHSB-18K-03	213	194	146	155	220	131	207	132	177	190
24	IMHSB-18K-04	229	207	163	182	209	139	210	156	187	195
25	IMHSB-18K-07	184	182	153	159	200	147	212	153	174	183
26	IMHSB-18K-10	182	174	139	145	198	150	202	167	170	181
27	IMHSB-18K-11	194	171	149	160	199	163	214	154	176	186
28	IMHSB-18K-12	216	208	163	165	219	146	231	169	191	195
29	IMHSB-18K-13	172	169	125	140	186	132	201	142	160	170

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	PZ									All India
		Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	241	206	156	163	221	153	234	173	195	206
31	IMHSB-18K-15	215	203	161	165	220	147	225	167	189	198
32	IMHSB-18K-16	169	152	135	138	184	106	201	125	154	164
33	IMHSB-18K-18	215	203	157	168	213	152	199	173	186	193
34	IMHSB-18K-2	226	196	160	146	214	139	224	165	185	196
35	IMHSB-18K-5	201	214	158	198	219	169	220	163	195	201
36	IMHSB-18K-6	189	172	138	140	191	128	225	140	165	178
37	IMHSB-18K-8	213	203	165	166	214	143	220	178	186	197
38	IMHSB-18K-9	194	182	135	159	201	142	223	150	177	187
39	IMHVS-001	192	181	143	161	204	138	226	159	178	187
40	IMHVS-002	208	180	152	152	215	144	205	142	177	189
41	INDAM 1118	235	209	168	174	217	171	215	161	196	203
42	IS8249(DKC8191)	204	181	148	176	199	149	213	146	179	191
43	IS8425(DKC9194)	211	184	153	152	216	139	218	163	180	194
44	IS8640(DKC9198)	222	221	183	144	237	196	209	170	199	206
45	IS8723(DKC9190)	253	222	166	183	229	176	211	160	204	211
46	JKMH1518	245	214	167	162	231	162	230	175	201	205
47	KMH 17-105	176	163	129	142	179	133	195	142	160	173
48	KMH 17-6	183	160	122	152	189	149	230	132	165	180
49	KMH-004	222	195	143	183	213	167	227	173	191	199
50	KNMH-4181	221	192	162	152	215	149	227	181	187	194
51	KNMH-4182	230	209	163	164	211	159	235	163	193	200
52	KNMH-4183	223	194	167	151	216	163	213	173	191	201
53	KNMH-4184	218	193	149	177	220	164	230	161	191	199
54	LMH 1217	212	215	165	169	209	135	223	167	186	198
55	LMH 1417	215	205	169	182	223	138	218	171	190	199
56	LMH 3117	181	165	130	152	181	147	220	139	165	179
57	LMH 3417	220	194	161	162	213	137	210	151	185	196
58	MM9309	219	190	151	160	220	151	217	143	185	196

Table No. 3 (Contd.) **Plant Height (cm)**

S. No.	Entry	PZ									All India
		Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	193	171	125	159	195	141	204	144	168	185
60	MMH18-11	175	164	141	143	186	117	199	135	158	170
61	MMH18-12	193	176	129	129	207	161	203	159	173	179
62	NAVNEET	198	188	152	158	202	143	220	135	175	184
63	OMH 17-47	212	212	154	154	211	154	204	157	186	198
64	PM18107M	201	200	148	156	215	161	226	143	183	194
65	PM18108M	185	179	142	158	194	151	223	155	171	180
66	RCRMH7(ZH138388)	219	211	161	172	218	162	196	166	191	200
67	RCRMH9(CAH1713)	208	196	147	152	202	146	222	156	181	188
68	SYN816604	217	187	156	163	200	133	222	141	180	191
69	TMMH886	151	135	111	120	162	122	161	96	134	.
70	TS2506	219	186	148	153	229	147	206	159	184	195
71	TUFAN	205	193	137	147	199	138	220	154	173	183
72	VH11130	212	186	150	149	215	138	210	149	176	186
73	VaMH 15015	200	179	150	155	215	141	227	150	178	190
74	ZH161032	214	198	154	180	216	153	207	163	189	196
75	DHM -117 (FILLER)	213	207	168	178	211	153	223	174	192	200
76	BIO 9544 (C)	193	173	133	148	185	125	214	142	163	178
77	CMH-08-292 (C)	210	205	165	180	218	168	234	164	196	206
78	DHM-121 (C)	209	200	158	151	212	160	208	161	182	191
	Location Mean	205	188	150	158	207	145	215	153	179	189
	CV (%)	4.6	6.1	6.2	11.1	4.2	8.7	8.8	8.6	7.1	7.8
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
	CD (5%)	15.2	18.5	15.0	28.4	13.9	20.5	30.7	21.3	7.2	5.4
	CD (1%)	20.1	24.5	19.8	37.6	18.4	27.1	40.6	28.1	9.5	7.1

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	90	118	61	63	92	85	107	61	79	89	84	117	111	114	103	110
2	AH 4271	106	122	63	69	87	88	98	71	97	101	91	98	121	119	111	115
3	AH8070	116	120	70	70	98	94	99	73	91	95	90	98	123	118	128	120
4	AH8071	110	114	72	81	83	93	118	80	104	78	95	122	122	126	138	127
5	BH416032	104	128	67	85	98	95	95	79	89	77	86	95	120	105	116	111
6	BH416067	92	109	73	59	92	84	94	66	81	86	82	113	126	114	118	117
7	BH416215	106	116	73	69	100	92	97	79	87	95	90	121	129	123	127	122
8	BLH136	95	128	68	63	78	86	99	69	99	85	88	121	122	115	113	115
9	CAH1511	102	139	66	67	91	94	108	76	92	92	92	95	110	118	107	109
10	CMH2425	89	108	62	68	75	80	94	70	82	68	80	114	115	105	111	109
11	CMH2525	99	122	71	77	82	91	101	69	87	88	86	107	118	112	99	111
12	DH-316	79	91	59	80	75	78	85	59	90	71	77	113	106	92	109	104
13	DH-317	79	115	60	68	87	80	96	57	82	74	77	109	102	95	103	101
14	H1013	74	114	55	84	65	79	79	63	74	72	73	133	84	88	89	99
15	HKH-368	96	114	61	83	85	88	96	62	94	82	84	104	126	112	106	111
16	HKH-369	90	113	60	74	80	83	92	66	84	92	83	117	109	101	107	107
17	HT18607	105	121	68	89	100	96	100	73	95	92	90	118	122	116	107	114
18	IH-0965	79	83	56	65	69	70	83	67	80	85	77	103	98	89	127	102
19	IH-1604	91	110	69	69	81	85	112	69	77	76	84	107	126	118	109	115
20	IMHL-K-1	101	124	61	86	89	91	106	62	101	90	88	97	121	107	126	113
21	IMHL-K-2	96	104	71	72	87	85	90	74	91	86	85	98	121	107	109	110
22	IMHL-K-3	98	102	59	81	98	88	101	80	90	85	88	105	123	96	119	108
23	IMHSB-18K-03	99	102	72	73	87	88	110	79	92	75	88	120	120	102	116	115
24	IMHSB-18K-04	99	122	62	72	93	91	110	62	87	85	85	59	119	105	108	100
25	IMHSB-18K-07	93	115	58	74	83	85	85	62	79	102	81	108	109	114	109	110
26	IMHSB-18K-10	109	112	75	68	77	90	82	69	74	93	81	117	103	92	114	106
27	IMHSB-18K-11	88	99	63	87	83	85	91	61	65	93	76	102	102	86	107	102
28	IMHSB-18K-12	115	109	76	74	89	92	99	83	87	73	87	117	137	97	115	117
29	IMHSB-18K-13	78	89	53	65	67	69	88	55	79	84	76	130	108	89	84	101

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	124	129	78	77	95	102	106	75	103	98	97	105	129	130	130	123
31	IMHSB-18K-15	107	116	79	77	90	93	113	77	88	76	91	104	132	102	118	115
32	IMHSB-18K-16	78	81	48	82	52	69	80	50	64	84	71	115	86	96	108	102
33	IMHSB-18K-18	92	96	62	86	79	82	104	69	80	102	87	110	124	117	115	112
34	IMHSB-18K-2	110	116	72	75	102	95	99	79	107	86	92	111	113	113	111	111
35	IMHSB-18K-5	106	122	81	66	100	95	107	84	89	96	95	106	114	116	93	106
36	IMHSB-18K-6	85	108	63	84	71	82	83	58	78	92	79	96	114	105	101	104
37	IMHSB-18K-8	102	122	73	68	98	92	89	88	90	94	91	99	119	114	121	111
38	IMHSB-18K-9	99	87	73	64	76	80	77	66	80	98	80	112	110	97	114	109
39	IMHVS-001	89	108	55	79	78	81	103	66	83	90	84	114	97	100	109	106
40	IMHVS-002	97	112	68	73	75	85	100	70	87	81	85	131	118	110	113	118
41	INDAM 1118	93	127	73	75	97	94	109	83	101	85	93	118	123	110	114	115
42	IS8249(DKC8191)	98	114	73	87	85	91	104	75	85	98	91	102	123	104	121	113
43	IS8425(DKC9194)	102	114	67	86	90	95	106	72	90	82	87	100	114	97	109	107
44	IS8640(DKC9198)	116	116	82	70	95	96	117	81	112	73	96	112	130	112	108	117
45	IS8723(DKC9190)	121	100	85	80	113	101	116	93	118	81	101	106	128	124	119	121
46	JKMH1518	122	129	73	68	85	96	107	75	97	101	94	107	116	108	119	114
47	KMH 17-105	72	91	51	81	60	72	87	53	65	90	72	103	87	89	122	101
48	KMH 17-6	97	134	71	76	83	92	90	68	92	76	83	104	131	96	115	114
49	KMH-004	105	105	75	68	88	87	96	70	95	80	86	119	110	111	110	112
50	KNMH-4181	92	110	65	73	71	83	88	68	86	84	83	87	118	84	118	103
51	KNMH-4182	119	137	78	82	107	105	110	81	110	88	96	108	134	115	115	119
52	KNMH-4183	115	122	73	75	92	95	108	86	103	85	95	119	136	132	110	122
53	KNMH-4184	102	126	71	74	94	91	118	90	102	75	96	126	118	109	111	117
54	LMH 1217	102	123	67	76	88	91	87	74	69	83	77	109	125	104	112	112
55	LMH 1417	106	125	83	79	92	96	109	76	86	82	88	101	134	107	117	113
56	LMH 3117	84	110	60	73	81	80	92	67	72	62	74	113	110	105	107	110
57	LMH 3417	94	141	76	85	85	97	104	79	87	86	88	110	119	106	108	113
58	MM9309	101	110	62	79	76	85	99	64	86	71	81	121	107	114	107	112

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	101	100	63	77	81	86	81	68	92	102	86	110	111	111	120	114
60	MMH18-11	91	91	55	70	75	77	85	62	85	80	79	96	114	109	100	103
61	MMH18-12	89	91	58	75	70	77	83	54	77	79	72	97	107	94	104	103
62	NAVNEET	95	85	55	65	83	78	90	62	84	93	83	119	108	102	99	106
63	OMH 17-47	99	102	71	84	85	89	100	68	94	93	89	126	118	127	128	122
64	PM18107M	93	117	60	91	80	87	94	60	76	85	79	114	103	112	109	113
65	PM18108M	87	111	55	65	74	77	79	61	76	91	77	114	99	98	114	106
66	RCRMH7(ZH138388)	111	122	64	80	84	91	107	75	94	91	90	98	117	120	122	115
67	RCRMH9(CAH1713)	79	94	53	82	86	81	99	63	81	98	86	99	85	105	111	102
68	SYN816604	99	127	60	84	78	90	86	65	92	78	81	114	115	106	102	109
69	TMMH886	60	63	39	56	64	56	.	56	68	83	.	125	81	64	96	87
70	TS2506	97	107	73	58	108	90	115	69	97	83	93	120	108	115	109	114
71	TUFAN	90	98	56	83	73	79	80	67	83	86	79	111	109	96	103	104
72	VH11130	80	106	49	78	79	79	81	53	68	92	74	98	131	107	106	112
73	VaMH 15015	94	114	68	76	74	85	101	71	90	83	87	127	119	107	118	117
74	ZH161032	102	113	63	84	93	91	106	69	85	93	87	97	124	130	105	113
75	DHM -117 (FILLER)	108	136	64	78	103	97	107	82	97	92	94	105	114	111	115	113
76	BIO 9544 (C)	95	105	65	77	88	86	95	64	93	76	83	113	113	95	121	112
77	CMH-08-292 (C)	115	113	82	75	102	97	129	86	107	70	98	140	138	133	122	134
78	DHM-121 (C)	99	95	70	75	93	85	104	63	99	84	88	104	115	108	108	108
	Location Mean	97	111	66	75	85	87	98	70	88	86	85	110	115	107	112	111
	CV (%)	7.0	15.5	9.9	15.5	11.6	12.8	8.8	8.4	10.9	14.2	11.0	14.3	10.8	11.9	10.7	12.0
	F (Prob)	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	11.0	28.0	10.6	18.9	16.0	8.5	13.9	9.5	15.5	19.6	8.0	25.3	20.2	20.6	19.3	11.3
	CD (1%)	14.5	37.0	14.0	25.0	21.1	11.2	18.4	12.5	20.4	25.9	10.6	33.5	26.8	27.2	25.6	14.9

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ										All India
		Coim_TN	Dhar_KR	Hyder_AP	Karimnagar_AP	Kolh_MH	Mand_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 4158	82	87	63	66	75	101	52	115	71	78	87
2	AH 4271	95	96	69	69	68	96	49	106	72	80	90
3	AH8070	99	96	76	73	84	108	60	102	78	87	95
4	AH8071	95	99	71	75	94	108	66	133	84	91	99
5	BH416032	91	94	70	75	79	100	53	114	71	83	91
6	BH416067	92	81	69	70	75	101	56	110	69	81	88
7	BH416215	91	93	81	79	90	106	62	126	83	89	96
8	BLH136	90	101	68	69	86	103	46	115	75	84	91
9	CAH1511	102	93	77	69	66	98	64	130	85	87	93
10	CMH2425	78	86	55	62	78	97	61	113	75	78	84
11	CMH2525	82	82	69	67	68	98	36	97	82	76	88
12	DH-316	79	88	59	61	69	87	41	119	70	75	81
13	DH-317	81	76	57	59	67	94	46	122	69	74	81
14	H1013	75	63	59	52	60	92	30	113	57	67	77
15	HKH-368	98	105	70	65	88	103	51	118	69	85	90
16	HKH-369	91	83	74	65	68	110	52	121	71	82	87
17	HT18607	95	92	71	62	83	106	48	129	68	84	93
18	IH-0965	69	64	48	46	67	83	39	109	56	65	75
19	IH-1604	96	85	58	60	55	100	48	114	69	77	87
20	IMHL-K-1	93	85	64	60	74	114	52	117	65	81	90
21	IMHL-K-2	83	81	67	72	80	94	60	132	70	82	88
22	IMHL-K-3	91	92	67	73	72	99	67	103	73	82	89
23	IMHSB-18K-03	89	86	66	66	71	103	49	120	70	80	90
24	IMHSB-18K-04	102	96	69	69	77	98	43	109	70	81	88
25	IMHSB-18K-07	90	83	71	62	70	102	54	127	73	82	87
26	IMHSB-18K-10	89	82	68	68	78	99	60	117	74	81	88
27	IMHSB-18K-11	85	81	59	59	61	91	53	116	67	74	82
28	IMHSB-18K-12	100	101	86	79	76	115	56	134	84	92	95
29	IMHSB-18K-13	77	68	51	44	55	90	41	111	60	67	75

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ										All India
		Coim_TN	Dhar_KR	Hyder_AP	Karimnagar_AP	Kolh_MH	Mand_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
30	IMHSB-18K-14	102	114	76	76	81	115	63	130	85	94	102
31	IMHSB-18K-15	98	98	77	79	76	104	60	125	80	88	94
32	IMHSB-18K-16	79	72	46	58	68	91	29	119	61	69	75
33	IMHSB-18K-18	94	82	71	67	59	110	59	105	84	82	88
34	IMHSB-18K-2	104	107	73	75	70	108	65	129	80	89	95
35	IMHSB-18K-5	105	86	80	69	100	105	68	122	81	90	95
36	IMHSB-18K-6	80	81	57	55	63	97	44	125	69	75	82
37	IMHSB-18K-8	85	86	73	76	72	106	65	131	84	86	93
38	IMHSB-18K-9	94	85	71	58	70	95	48	124	65	79	85
39	IMHVS-001	87	74	59	71	78	95	49	112	78	79	85
40	IMHVS-002	87	80	61	67	69	101	50	123	63	79	89
41	INDAM 1118	102	103	78	75	80	112	60	115	77	90	96
42	IS8249(DKC8191)	98	97	72	69	78	98	65	118	76	86	93
43	IS8425(DKC9194)	90	82	63	62	70	97	52	130	77	81	90
44	IS8640(DKC9198)	108	102	90	84	73	122	81	117	94	96	100
45	IS8723(DKC9190)	113	136	96	81	104	121	71	118	92	103	105
46	JKMH1518	111	110	74	73	83	120	64	136	90	95	98
47	KMH 17-105	78	67	46	46	53	84	38	101	61	65	74
48	KMH 17-6	89	86	57	63	76	96	70	121	63	80	89
49	KMH-004	98	89	70	63	80	103	66	128	70	85	91
50	KNMH-4181	82	87	65	75	73	102	46	128	74	81	86
51	KNMH-4182	106	122	89	73	90	117	76	131	85	98	103
52	KNMH-4183	106	103	72	83	91	113	68	125	90	95	100
53	KNMH-4184	104	86	71	67	82	102	60	129	82	86	95
54	LMH 1217	90	78	77	68	62	94	51	126	74	80	88
55	LMH 1417	94	91	78	81	75	111	54	124	86	87	94
56	LMH 3117	85	72	56	56	75	92	58	119	62	75	82
57	LMH 3417	99	96	67	71	78	106	40	119	59	83	92
58	MM9309	88	85	61	61	76	103	50	117	67	80	87

Table No. 3 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ										All India
		Coim_TN	Dhar_KR	Hyder_AP	Karimnagar_AP	Kolh_MH	Mand_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
59	MMH-1708	90	87	59	59	73	94	63	116	77	80	89
60	MMH18-11	76	74	57	57	75	95	38	111	68	72	80
61	MMH18-12	92	86	62	59	55	102	62	119	66	78	81
62	NAVNEET	87	87	69	71	76	97	55	115	65	80	85
63	OMH 17-47	96	78	79	68	64	99	61	112	74	82	92
64	PM18107M	96	79	73	65	78	111	63	124	71	85	89
65	PM18108M	79	80	64	57	77	89	68	132	73	80	83
66	RCRMH7(ZH138388)	102	96	69	74	75	104	69	115	81	88	94
67	RCRMH9(CAH1713)	89	79	58	56	63	99	58	120	69	77	84
68	SYN816604	93	93	68	60	80	96	51	121	67	81	88
69	TMMH886	62	60	38	39	41	75	30	92	40	53	.
70	TS2506	103	104	67	70	81	116	55	119	72	88	94
71	TUFAN	91	98	76	61	78	100	59	127	72	83	85
72	VH11130	86	86	58	60	58	95	42	102	73	73	82
73	VaMH 15015	87	88	68	68	75	103	50	126	75	82	90
74	ZH161032	102	82	69	69	81	107	55	122	73	84	92
75	DHM -117 (FILLER)	107	97	80	80	94	110	65	132	84	94	98
76	BIO 9544 (C)	81	89	61	67	78	93	51	126	73	79	88
77	CMH-08-292 (C)	104	89	81	81	92	108	71	125	89	94	103
78	DHM-121 (C)	90	96	76	70	73	107	55	112	74	83	89
	Location Mean	92	89	68	66	74	101	55	119	73	82	89
	CV (%)	6.1	7.9	10.1	8.9	16.3	6.2	19.4	10.2	7.0	10.3	11.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	9.1	11.4	11.1	9.6	19.6	10.1	17.2	19.6	8.3	4.8	3.7
	CD (1%)	12.0	15.0	14.7	12.6	26.0	13.4	22.8	25.9	10.9	6.4	4.9

Table No. 4: Trial No. 432 (NIVT-Medium Maturity) Zone 1 Yield kg/ha

S. No.	Entry	NHZ								Z_NHZ	
		Bajuara_HP		Gossai_ASSAM		Kangra_HP		Srinagar_JK			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 8070	12177.87	9	9095.23	23	6577.96	12	3578.75	20	7410.17	11
2	AH 8071 R	13235.59	6	15096.83	8	6167.04	17	2850.3	29	7410.79	10
3	BH416032	11369.97	14	13606.5	12	6804.91	7	4013.31	9	7326.52	13
4	BH416067	9386.3	26	10070.27	20	5332.44	29	3007.36	27	5937.04	30
5	BH416215	11173.93	16	15291.77	7	6619.75	10	4428.58	2	7392.07	12
6	DH-316	10421.56	23	11516.09	18	6638.18	9	3594.1	19	6872.67	20
7	DH-317	10737.85	19	3784.36	30	5942.26	21	4327.77	5	6983.2	19
8	DKC 8191	14650.26	1	16963.75	4	7557.01	3	3679.64	17	8620.83	1
9	DKC 9198	11061.71	17	19529.44	2	6833.11	5	3210.73	26	7027.39	18
10	DKC9190	13825.43	4	20510.3	1	6605.09	11	4376.95	4	8240.35	3
11	DKC9194	13677.67	5	15916.04	6	6498.52	14	3325.16	25	7883.7	4
12	H 1013	9002.07	28	7767.88	24	5792.95	24	3680.99	16	6153.5	28
13	HKH 368	8477.77	29	6237.31	27	5899.21	23	4021.73	8	6117.73	29
14	HKH 369	10148.02	25	5775.67	29	5712.06	26	3899.71	13	6600	26
15	HT 18607	10315.75	24	17787.85	3	6934.29	4	2910.08	28	6763.36	22
16	KMH 17-105	9224.18	27	7229.92	26	9652.33	1	4004.91	10	7626.39	8
17	KMH 17-6	7958.33	30	7753.02	25	9605.44	2	2206.76	30	6661.45	25
18	KNMH 4182	12155.61	10	11658.78	17	5502.64	28	3860.57	14	7157.59	16
19	KNMH 4183	10674.87	21	9165.97	22	5546.64	27	4515.29	1	6841.89	21
20	KNMH 4184	10846.79	18	11947.53	15	5791.32	25	3550.89	21	6758.01	23
21	KNMH4181	10684.64	20	11382.22	19	5994.47	19	3611.42	18	6693.97	24
22	LMH 1217	12333.83	8	14926.23	9	6823.25	6	4002.92	11	7846.93	5
23	LMH 1417	13945.97	2	16071.02	5	6533.16	13	4391.96	3	8299.16	2
24	LMH 3117	11621.32	13	9501.85	21	5927.01	22	3504.37	23	7127.72	17
25	LMH 3417	13830.89	3	13927.34	11	6252.95	16	3350.97	24	7739.38	6
26	VaMH 15015	13180	7	13560.92	13	6311.33	15	3795.86	15	7692.02	7
27	LMH3217 (Fill)	10530.02	22	6000.36	28	5166.17	30	3532.59	22	6536.52	27
28	BIO 9544 (C)	11947.97	11	14532.14	10	6065.83	18	3995.21	12	7261.81	15
29	CMH 08-292 (C)	11177.91	15	11716.36	16	6791.58	8	4254.81	7	7320.52	14
30	DHM 121 (C)	11883.18	12	13076.49	14	5990.99	20	4310.09	6	7470.98	9
	Location Mean	11388.58	.	12046.65	.	6462.33	.	3726.46	.	7192.45	.
	CV (%)	4.34	.	31.42	.	7.76	.	22.85	.	8.91	.
	F (Prob)	0	.	0	.	0	.	0.5	.	0	.
	CD (5%)	813.07	.	6220.11	.	824.4	.	1399.42	.	641.77	.
	CD (1%)	1085.37	.	8303.22	.	1100.49	.	1868.09	.	847.75	.

Table No. 4: (Contd.) **Gain in Yield(%) over BIO 9544 (Check)**

S. No.	Entry	NHZ								Z_NHZ	
		Bajuara_HP		Gossai_ASSAM		Kangra_HP		Srinagar_JK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8070	1.92	9	-37.41	23	8.44	12	-10.42	20	2.04	11
2	AH 8071 R	10.78	6	3.89	8	1.67	17	-28.66	29	2.05	10
3	BH416032	-4.84	14	-6.37	12	12.18	7	0.45	9	0.89	13
4	BH416067	-21.44	26	-30.7	20	-12.09	29	-24.73	27	-18.24	30
5	BH416215	-6.48	16	5.23	7	9.13	10	10.85	2	1.79	12
6	DH-316	-12.78	23	-20.75	18	9.44	9	-10.04	19	-5.36	20
7	DH-317	-10.13	19	-73.96	30	-2.04	21	8.32	5	-3.84	19
8	DKC 8191	22.62	1	16.73	4	24.58	3	-7.9	17	18.71	1
9	DKC 9198	-7.42	17	34.39	2	12.65	5	-19.64	26	-3.23	18
10	DKC9190	15.71	4	41.14	1	8.89	11	9.56	4	13.48	3
11	DKC9194	14.48	5	9.52	6	7.13	14	-16.77	25	8.56	4
12	H 1013	-24.66	28	-46.55	24	-4.5	24	-7.86	16	-15.26	28
13	HKH 368	-29.04	29	-57.08	27	-2.75	23	0.66	8	-15.75	29
14	HKH 369	-15.06	25	-60.26	29	-5.83	26	-2.39	13	-9.11	26
15	HT 18607	-13.66	24	22.4	3	14.32	4	-27.16	28	-6.86	22
16	KMH 17-105	-22.8	27	-50.25	26	59.13	1	0.24	10	5.02	8
17	KMH 17-6	-33.39	30	-46.65	25	58.35	2	-44.76	30	-8.27	25
18	KNMH 4182	1.74	10	-19.77	17	-9.28	28	-3.37	14	-1.44	16
19	KNMH 4183	-10.66	21	-36.93	22	-8.56	27	13.02	1	-5.78	21
20	KNMH 4184	-9.22	18	-17.79	15	-4.53	25	-11.12	21	-6.94	23
21	KNMH4181	-10.57	20	-21.68	19	-1.18	19	-9.61	18	-7.82	24
22	LMH 1217	3.23	8	2.71	9	12.49	6	0.19	11	8.06	5
23	LMH 1417	16.72	2	10.59	5	7.7	13	9.93	3	14.28	2
24	LMH 3117	-2.73	13	-34.61	21	-2.29	22	-12.29	23	-1.85	17
25	LMH 3417	15.76	3	-4.16	11	3.08	16	-16.13	24	6.58	6
26	LMH3217 (Filler)	-11.87	22	-58.71	28	-14.83	30	-11.58	22	-9.99	27
27	VaMH 15015	10.31	7	-6.68	13	4.05	15	-4.99	15	5.92	7
28	BIO 9544 (C)	0	11	0	10	0	18	0	12	0	15
29	CMH 08-292 (C)	-6.45	15	-19.38	16	11.96	8	6.5	7	0.81	14
30	DHM 121 (C)	-0.54	12	-10.02	14	-1.23	20	7.88	6	2.88	9

Table No. 4: (Contd.) **Gain in Yield(%) over CMH 08-292 Check**

S. No.	Entry	NHZ								Z_NHZ	
		Bajuara_HP		Gossai_ASSAM		Kangra_HP		Srinagar_JK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8070	8.95	9	-22.37	23	-3.15	12	-15.89	20	1.22	11
2	AH 8071 R	18.41	6	28.85	8	-9.2	17	-33.01	29	1.23	10
3	BH416032	1.72	14	16.13	12	0.2	7	-5.68	9	0.08	13
4	BH416067	-16.03	26	-14.05	20	-21.48	29	-29.32	27	-18.9	30
5	BH416215	-0.04	16	30.52	7	-2.53	10	4.08	2	0.98	12
6	DH-316	-6.77	23	-1.71	18	-2.26	9	-15.53	19	-6.12	20
7	DH-317	-3.94	19	-67.7	30	-12.51	21	1.71	5	-4.61	19
8	DKC 8191	31.06	1	44.79	4	11.27	3	-13.52	17	17.76	1
9	DKC 9198	-1.04	17	66.69	2	0.61	5	-24.54	26	-4	18
10	DKC9190	23.69	4	75.06	1	-2.75	11	2.87	4	12.57	3
11	DKC9194	22.36	5	35.84	6	-4.32	14	-21.85	25	7.69	4
12	H 1013	-19.47	28	-33.7	24	-14.7	24	-13.49	16	-15.94	28
13	HKH 368	-24.16	29	-46.76	27	-13.14	23	-5.48	8	-16.43	29
14	HKH 369	-9.21	25	-50.7	29	-15.89	26	-8.35	13	-9.84	26
15	HT 18607	-7.71	24	51.82	3	2.1	4	-31.6	28	-7.61	22
16	KMH 17-105	-17.48	27	-38.29	26	42.12	1	-5.87	10	4.18	8
17	KMH 17-6	-28.8	30	-33.83	25	41.43	2	-48.13	30	-9	25
18	KNMH 4182	8.75	10	-0.49	17	-18.98	28	-9.27	14	-2.23	16
19	KNMH 4183	-4.5	21	-21.77	22	-18.33	27	6.12	1	-6.54	21
20	KNMH 4184	-2.96	18	1.97	15	-14.73	25	-16.54	21	-7.68	23
21	KNMH4181	-4.41	20	-2.85	19	-11.74	19	-15.12	18	-8.56	24
22	LMH 1217	10.34	8	27.4	9	0.47	6	-5.92	11	7.19	5
23	LMH 1417	24.76	2	37.17	5	-3.8	13	3.22	3	13.37	2
24	LMH 3117	3.97	13	-18.9	21	-12.73	22	-17.64	23	-2.63	17
25	LMH 3417	23.73	3	18.87	11	-7.93	16	-21.24	24	5.72	6
26	LMH3217 (Filler)	-5.8	22	-48.79	28	-23.93	30	-16.97	22	-10.71	27
27	VaMH 15015	17.91	7	15.74	13	-7.07	15	-10.79	15	5.07	7
28	BIO 9544 (C)	6.89	11	24.03	10	-10.69	18	-6.1	12	-0.8	15
29	CMH 08-292 (C)	0	15	0	16	0	8	0	7	0	14
30	DHM 121 (C)	6.31	12	11.61	14	-11.79	20	1.3	6	2.06	9

Table No. 4: (Contd.) **Gain in Yield(%) over DHM 121 (Check)**

S. No.	Entry	NHZ								Z_NHZ	
		Bajuara_HP		Gossai_ASSAM		Kangra_HP		Srinagar_JK			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 8070	2.48	9	-30.45	23	9.8	12	-16.97	20	-0.81	11
2	AH 8071 R	11.38	6	15.45	8	2.94	17	-33.87	29	-0.81	10
3	BH416032	-4.32	14	4.05	12	13.59	7	-6.89	9	-1.93	13
4	BH416067	-21.01	26	-22.99	20	-10.99	29	-30.23	27	-20.53	30
5	BH416215	-5.97	16	16.94	7	10.49	10	2.75	2	-1.06	12
6	DH-316	-12.3	23	-11.93	18	10.8	9	-16.61	19	-8.01	20
7	DH-317	-9.64	19	-71.06	30	-0.81	21	0.41	5	-6.53	19
8	DKC 8191	23.29	1	29.73	4	26.14	3	-14.63	17	15.39	1
9	DKC 9198	-6.91	17	49.35	2	14.06	5	-25.51	26	-5.94	18
10	DKC9190	16.34	4	56.85	1	10.25	11	1.55	4	10.3	3
11	DKC9194	15.1	5	21.71	6	8.47	14	-22.85	25	5.52	4
12	H 1013	-24.25	28	-40.6	24	-3.31	24	-14.6	16	-17.63	28
13	HKH 368	-28.66	29	-52.3	27	-1.53	23	-6.69	8	-18.11	29
14	HKH 369	-14.6	25	-55.83	29	-4.66	26	-9.52	13	-11.66	26
15	HT 18607	-13.19	24	36.03	3	15.75	4	-32.48	28	-9.47	22
16	KMH 17-105	-22.38	27	-44.71	26	61.11	1	-7.08	10	2.08	8
17	KMH 17-6	-33.03	30	-40.71	25	60.33	2	-48.8	30	-10.84	25
18	KNMH 4182	2.29	10	-10.84	17	-8.15	28	-10.43	14	-4.19	16
19	KNMH 4183	-10.17	21	-29.9	22	-7.42	27	4.76	1	-8.42	21
20	KNMH 4184	-8.72	18	-8.63	15	-3.33	25	-17.61	21	-9.54	23
21	KNMH4181	-10.09	20	-12.96	19	0.06	19	-16.21	18	-10.4	24
22	LMH 1217	3.79	8	14.15	9	13.89	6	-7.13	11	5.03	5
23	LMH 1417	17.36	2	22.9	5	9.05	13	1.9	3	11.09	2
24	LMH 3117	-2.2	13	-27.34	21	-1.07	22	-18.69	23	-4.59	17
25	LMH 3417	16.39	3	6.51	11	4.37	16	-22.25	24	3.59	6
26	LMH3217 (Filler)	-11.39	22	-54.11	28	-13.77	30	-18.04	22	-12.51	27
27	VaMH 15015	10.91	7	3.7	13	5.35	15	-11.93	15	2.96	7
28	BIO 9544 (C)	0.55	11	11.13	10	1.25	18	-7.31	12	-2.8	15
29	CMH 08-292 (C)	-5.94	15	-10.4	16	13.36	8	-1.28	7	-2.01	14
30	DHM 121 (C)	0	12	0	14	0	20	0	6	0	9

Table No. 4: (Contd.) BR-184 **Moisture %**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	20.6	18.4	30.7	20.4	22.6
2	AH 8071 R	21.8	20.2	34.3	20.0	24.4
3	BH416032	20.6	18.6	30.3	20.6	22.5
4	BH416067	20.3	18.6	31.9	22.0	23.0
5	BH416215	21.0	18.0	32.0	17.6	22.5
6	DH-316	19.7	19.6	28.7	19.9	22.0
7	DH-317	20.2	18.0	31.5	20.9	22.5
8	DKC 8191	21.8	21.3	31.1	21.7	23.9
9	DKC 9198	20.4	18.4	34.1	18.7	23.1
10	DKC9190	23.3	18.3	35.2	19.7	24.4
11	DKC9194	20.5	18.8	30.1	21.3	22.5
12	H 1013	20.7	18.7	32.2	21.4	23.1
13	HKH 368	19.4	19.8	30.6	20.3	22.2
14	HKH 369	20.4	23.1	30.8	16.7	22.9
15	HT 18607	21.6	18.7	32.9	22.3	23.7
16	KMH 17-105	20.2	18.0	28.3	17.9	20.9
17	KMH 17-6	17.4	18.1	28.3	21.5	21.0
18	KNMH 4182	20.6	17.0	33.1	17.3	22.4
19	KNMH 4183	20.8	17.4	33.1	19.3	22.8
20	KNMH 4184	20.4	18.6	32.3	19.0	22.4
21	KNMH4181	20.2	21.9	30.3	16.3	22.1
22	LMH 1217	20.4	18.3	30.8	17.8	21.6
23	LMH 1417	20.7	19.6	31.2	20.4	22.4
24	LMH 3117	17.1	16.7	32.2	16.4	20.9
25	LMH 3417	20.5	18.2	30.3	21.1	22.9
26	VaMH 15015	20.0	17.5	31.9	17.3	21.8
27	LMH3217 (Fill)	20.3	16.8	34.7	19.5	22.6
28	BIO 9544 (C)	23.1	17.8	32.4	19.4	23.3
29	CMH 08-292 (C)	20.5	19.9	31.0	15.8	22.2
30	DHM 121 (C)	22.9	19.2	31.8	19.1	23.2
	Location Mean	20.6	18.8	31.6	19.4	22.6
	CV (%)	2.4	10.8	5.0	11.0	7.4
	F (Prob)	0.0	0.2	0.0	0.0	0.0
	CD (5%)	0.8	3.3	2.6	3.5	1.4
	CD (1%)	1.1	4.4	3.5	4.7	1.8

Table No. 4: (Contd.) **Shelling %**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	77	80	79	78	78
2	AH 8071 R	83	80	79	79	80
3	BH416032	85	79	79	78	80
4	BH416067	88	82	79	79	81
5	BH416215	84	82	79	78	81
6	DH-316	83	78	79	79	79
7	DH-317	81	78	79	79	79
8	DKC 8191	85	82	78	78	81
9	DKC 9198	87	84	79	79	82
10	DKC9190	83	79	77	78	79
11	DKC9194	88	82	79	79	82
12	H 1013	86	80	80	79	82
13	HKH 368	81	78	78	78	79
14	HKH 369	80	79	78	78	79
15	HT 18607	83	83	80	78	81
16	KMH 17-105	80	79	80	79	79
17	KMH 17-6	80	73	80	79	78
18	KNMH 4182	83	76	79	78	79
19	KNMH 4183	85	80	79	79	81
20	KNMH 4184	84	79	79	79	80
21	KNMH4181	87	80	78	78	81
22	LMH 1217	85	79	78	79	80
23	LMH 1417	87	81	78	77	81
24	LMH 3117	88	79	80	78	81
25	LMH 3417	84	84	79	79	81
26	VaMH 15015	84	79	79	78	80
27	LMH3217 (Fill)	81	75	78	79	78
28	BIO 9544 (C)	85	73	80	78	79
29	CMH 08-292 (C)	85	80	78	79	81
30	DHM 121 (C)	83	77	79	79	80
	Location Mean	84	79	79	78	80
	CV (%)	0.0	4.0	0.8	1.0	2.0
	F (Prob)	0.0	0.0	0.0	0.7	0.0
	CD (5%)	0.0	5.2	1.0	1.3	1.3
	CD (1%)	0.0	6.9	1.4	1.8	1.7

Table No. 4: (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	69	45	62	87	66
2	AH 8071 R	73	46	64	85	67
3	BH416032	67	45	60	87	65
4	BH416067	69	44	61	88	66
5	BH416215	66	45	61	88	65
6	DH-316	65	44	56	85	62
7	DH-317	69	47	61	84	65
8	DKC 8191	70	46	62	88	66
9	DKC 9198	70	49	63	86	67
10	DKC9190	72	48	66	82	67
11	DKC9194	70	47	62	91	67
12	H 1013	63	42	54	88	61
13	HKH 368	69	47	59	87	65
14	HKH 369	66	47	61	86	65
15	HT 18607	71	47	64	90	68
16	KMH 17-105	62	42	52	85	60
17	KMH 17-6	60	42	52	89	61
18	KNMH 4182	73	48	64	88	68
19	KNMH 4183	70	47	62	85	66
20	KNMH 4184	70	47	63	85	67
21	KNMH4181	64	44	57	83	62
22	LMH 1217	66	45	59	87	63
23	LMH 1417	67	45	61	86	65
24	LMH 3117	62	41	58	80	60
25	LMH 3417	69	45	59	89	66
26	VaMH 15015	69	46	61	81	65
27	LMH3217 (Fill)	72	52	65	90	69
28	BIO 9544 (C)	71	46	64	87	67
29	CMH 08-292 (C)	68	46	61	83	65
30	DHM 121 (C)	70	46	63	88	66
	Location Mean	68	46	61	86	65
	CV (%)	1.8	3.2	1.7	4.3	3.3
	F (Prob)	0.0	0.0	0.0	0.2	0.0
	CD (5%)	2.0	2.4	1.7	6.1	1.8
	CD (1%)	2.6	3.2	2.2	8.1	2.4

Table No. 4: (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	72	48	66	89	69
2	AH 8071 R	75	50	67	88	70
3	BH416032	69	49	64	89	68
4	BH416067	71	48	64	91	69
5	BH416215	69	48	64	90	68
6	DH-316	67	47	60	87	65
7	DH-317	71	50	65	87	68
8	DKC 8191	73	51	65	90	70
9	DKC 9198	73	54	66	88	71
10	DKC9190	74	54	69	85	71
11	DKC9194	72	51	65	93	70
12	H 1013	67	45	57	90	64
13	HKH 368	71	51	63	89	68
14	HKH 369	68	52	64	88	68
15	HT 18607	73	51	67	92	71
16	KMH 17-105	64	47	55	88	64
17	KMH 17-6	64	46	55	92	64
18	KNMH 4182	75	53	68	91	71
19	KNMH 4183	73	52	65	87	70
20	KNMH 4184	72	53	66	88	70
21	KNMH4181	67	49	60	86	66
22	LMH 1217	69	48	63	89	66
23	LMH 1417	69	49	64	89	68
24	LMH 3117	65	46	60	82	63
25	LMH 3417	71	48	63	91	68
26	VaMH 15015	72	48	64	84	67
27	LMH3217 (Fill)	74	55	68	92	72
28	BIO 9544 (C)	73	51	67	89	71
29	CMH 08-292 (C)	70	50	64	86	68
30	DHM 121 (C)	73	52	67	91	70
	Location Mean	71	50	64	89	68
	CV (%)	1.8	4.0	1.8	4.1	3.3
	F (Prob)	0.0	0.0	0.0	0.3	0.0
	CD (5%)	2.1	3.3	1.9	6.0	1.9
	CD (1%)	2.8	4.4	2.5	8.0	2.5

Table No. 4: (Contd.) **Number of days 75 percent dry husk**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	105	93	105	136	110
2	AH 8071 R	110	93	107	135	111
3	BH416032	104	92	104	136	110
4	BH416067	105	92	102	140	110
5	BH416215	107	93	104	138	110
6	DH-316	106	92	99	133	108
7	DH-317	106	93	103	132	108
8	DKC 8191	114	98	104	138	113
9	DKC 9198	113	92	105	136	112
10	DKC9190	113	97	107	132	112
11	DKC9194	111	93	106	141	113
12	H 1013	105	93	97	140	108
13	HKH 368	104	94	102	134	108
14	HKH 369	105	94	104	132	109
15	HT 18607	112	94	105	140	113
16	KMH 17-105	107	93	97	134	108
17	KMH 17-6	98	92	96	139	107
18	KNMH 4182	108	94	107	139	112
19	KNMH 4183	106	93	106	131	109
20	KNMH 4184	105	94	104	138	110
21	KNMH4181	103	93	100	130	107
22	LMH 1217	104	93	101	138	108
23	LMH 1417	103	93	103	133	108
24	LMH 3117	98	92	100	128	104
25	LMH 3417	104	93	102	139	110
26	VaMH 15015	107	93	105	126	108
27	LMH3217 (Fill)	107	94	107	140	112
28	BIO 9544 (C)	113	94	106	137	113
29	CMH 08-292 (C)	104	93	104	129	108
30	DHM 121 (C)	108	93	106	138	111
	Location Mean	107	93	103	135	110
	CV (%)	1.4	1.8	1.3	4.0	2.7
	F (Prob)	0.0	0.0	0.0	0.1	0.0
	CD (5%)	2.4	2.7	2.2	8.8	2.5
	CD (1%)	3.2	3.6	2.9	11.8	3.3

Table No. 4: (Contd.) **Ears (Number)**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	25	29	24	39	30
2	AH 8071 R	26	38	25	40	31
3	BH416032	25	34	28	39	31
4	BH416067	25	31	26	40	31
5	BH416215	22	30	24	38	29
6	DH-316	24	30	26	40	30
7	DH-317	21	9	25	39	24
8	DKC 8191	26	40	28	39	33
9	DKC 9198	26	41	24	39	32
10	DKC9190	26	34	27	40	32
11	DKC9194	23	39	25	40	32
12	H 1013	21	23	26	40	27
13	HKH 368	21	31	27	39	29
14	HKH 369	22	11	25	40	24
15	HT 18607	22	34	26	39	31
16	KMH 17-105	26	32	27	39	30
17	KMH 17-6	22	34	28	39	31
18	KNMH 4182	20	28	29	38	29
19	KNMH 4183	24	31	26	40	30
20	KNMH 4184	22	28	26	39	29
21	KNMH4181	24	35	27	40	31
22	LMH 1217	23	34	25	39	29
23	LMH 1417	24	34	26	40	31
24	LMH 3117	21	34	27	41	30
25	LMH 3417	27	28	25	40	30
26	VaMH 15015	23	31	25	40	30
27	LMH3217 (Fill)	24	26	23	38	27
28	BIO 9544 (C)	25	38	25	39	31
29	CMH 08-292 (C)	23	30	25	39	30
30	DHM 121 (C)	22	33	25	39	31
	Location Mean	23	31	26	39	30
	CV (%)	7.6	15.8	8.3	2.3	9.6
	F (Prob)	0.0	0.0	0.4	0.1	0.0
	CD (5%)	2.9	8.1	3.5	1.5	2.4
	CD (1%)	3.9	10.7	4.7	2.0	3.1

Table No. 4: (Contd.) **Initial plant stand**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	24	37	27	40	33
2	AH 8071 R	26	39	28	40	33
3	BH416032	25	37	30	40	33
4	BH416067	24	36	29	40	33
5	BH416215	22	34	29	40	32
6	DH-316	23	36	29	40	31
7	DH-317	21	13	28	40	26
8	DKC 8191	25	43	30	40	34
9	DKC 9198	24	44	28	40	34
10	DKC9190	23	37	30	40	32
11	DKC9194	23	43	28	40	34
12	H 1013	21	30	29	40	30
13	HKH 368	20	37	30	40	32
14	HKH 369	22	15	29	40	26
15	HT 18607	22	39	30	39	33
16	KMH 17-105	25	39	30	40	33
17	KMH 17-6	22	43	30	40	34
18	KNMH 4182	22	34	30	40	32
19	KNMH 4183	24	37	29	40	32
20	KNMH 4184	23	37	30	40	33
21	KNMH4181	24	40	30	40	33
22	LMH 1217	23	37	28	40	31
23	LMH 1417	23	38	29	40	33
24	LMH 3117	21	37	29	40	32
25	LMH 3417	24	32	29	40	31
26	VaMH 15015	23	36	28	40	32
27	LMH3217 (Fill)	24	29	27	40	29
28	BIO 9544 (C)	24	42	28	40	34
29	CMH 08-292 (C)	23	33	29	40	31
30	DHM 121 (C)	22	38	28	40	33
	Location Mean	23	36	29	40	32
	CV (%)	6.1	13.3	4.3	0.7	8.0
	F (Prob)	0.0	0.0	0.3	0.9	0.0
	CD (5%)	2.3	7.8	2.1	0.4	2.1
	CD (1%)	3.1	10.4	2.7	0.6	2.8

Table No. 4: (Contd.) **Final plant stand**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	80	144	64	67	92
2	AH 8071 R	86	156	66	66	90
3	BH416032	83	148	74	65	91
4	BH416067	80	143	70	66	91
5	BH416215	72	128	67	66	86
6	DH-316	76	137	69	65	85
7	DH-317	72	43	65	66	61
8	DKC 8191	81	172	75	66	99
9	DKC 9198	80	173	67	67	96
10	DKC9190	78	143	74	65	90
11	DKC9194	78	168	70	66	96
12	H 1013	70	111	70	66	80
13	HKH 368	66	143	71	66	85
14	HKH 369	72	53	67	66	65
15	HT 18607	72	151	73	66	91
16	KMH 17-105	84	150	70	65	90
17	KMH 17-6	73	168	75	66	96
18	KNMH 4182	70	128	76	67	88
19	KNMH 4183	78	140	70	65	89
20	KNMH 4184	73	143	68	68	89
21	KNMH4181	79	156	73	67	92
22	LMH 1217	77	146	66	65	86
23	LMH 1417	78	146	71	66	90
24	LMH 3117	69	146	73	66	89
25	LMH 3417	81	123	68	66	83
26	VaMH 15015	76	138	67	65	87
27	LMH3217 (Fill)	79	110	65	65	77
28	BIO 9544 (C)	80	166	65	67	95
29	CMH 08-292 (C)	75	128	67	66	85
30	DHM 121 (C)	73	148	66	65	91
	Location Mean	76	138	69	66	87
	CV (%)	6.6	14.8	7.0	1.8	12.3
	F (Prob)	0.0	0.0	0.3	0.5	0.0
	CD (5%)	8.3	33.7	8.0	2.0	8.7
	CD (1%)	11.1	44.9	10.6	2.6	11.4

Table No. 4: (Contd.) **Plant height**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	229	181	250	204	215
2	AH 8071 R	245	196	271	245	240
3	BH416032	224	196	251	245	228
4	BH416067	236	187	245	202	217
5	BH416215	232	193	244	231	224
6	DH-316	186	163	214	209	193
7	DH-317	210	164	223	206	199
8	DKC 8191	219	194	241	226	220
9	DKC 9198	230	212	260	186	224
10	DKC9190	246	218	274	218	237
11	DKC9194	221	197	242	217	222
12	H 1013	190	160	218	243	200
13	HKH 368	214	169	231	211	208
14	HKH 369	202	174	234	229	210
15	HT 18607	218	185	244	214	214
16	KMH 17-105	183	165	208	224	197
17	KMH 17-6	191	166	208	190	190
18	KNMH 4182	233	193	237	224	221
19	KNMH 4183	231	188	240	236	221
20	KNMH 4184	244	202	255	214	229
21	KNMH4181	204	194	249	188	208
22	LMH 1217	200	196	242	210	216
23	LMH 1417	234	192	254	237	228
24	LMH 3117	202	163	238	184	199
25	LMH 3417	229	205	252	226	228
26	VaMH 15015	222	185	259	184	210
27	LMH3217 (Fill)	215	173	231	225	215
28	BIO 9544 (C)	201	172	241	243	211
29	CMH 08-292 (C)	231	204	273	224	234
30	DHM 121 (C)	208	192	229	253	222
	Location Mean	218	186	242	218	216
	CV (%)	6.0	5.7	3.3	11.9	7.4
	F (Prob)	0.0	0.0	0.0	0.1	0.0
	CD (5%)	21.3	17.5	13.1	42.7	13.5
	CD (1%)	28.4	23.4	17.5	56.9	17.8

Table No. 4: (Contd.) **Ear Height**

S. No.	Entry	NHZ				Z_NHZ
		Bajuara_HP	Gossai_ASSAM	Kangra_HP	Srinagar_JK	
		Mean	Mean	Mean	Mean	Mean
1	AH 8070	126	85	125	115	114
2	AH 8071 R	140	105	136	132	128
3	BH416032	116	91	126	138	117
4	BH416067	124	87	123	100	111
5	BH416215	120	102	121	126	115
6	DH-316	89	85	107	97	96
7	DH-317	109	71	113	103	99
8	DKC 8191	123	100	122	114	115
9	DKC 9198	124	114	130	96	118
10	DKC9190	131	113	137	110	122
11	DKC9194	113	96	120	127	115
12	H 1013	101	70	111	134	101
13	HKH 368	112	82	118	110	107
14	HKH 369	98	79	118	127	104
15	HT 18607	107	101	122	110	109
16	KMH 17-105	77	71	105	113	93
17	KMH 17-6	91	68	104	107	93
18	KNMH 4182	127	95	119	126	114
19	KNMH 4183	133	91	121	122	115
20	KNMH 4184	116	98	128	105	114
21	KNMH4181	108	87	126	97	104
22	LMH 1217	95	88	122	105	105
23	LMH 1417	130	95	128	139	122
24	LMH 3117	99	74	119	92	97
25	LMH 3417	120	101	128	126	117
26	VaMH 15015	110	93	131	99	106
27	LMH3217 (Fill)	112	88	116	116	111
28	BIO 9544 (C)	109	86	121	127	110
29	CMH 08-292 (C)	120	107	135	120	120
30	DHM 121 (C)	99	92	116	142	113
	Location Mean	113	91	122	116	110
	CV (%)	11.6	7.7	3.3	15.5	10.7
	F (Prob)	0.0	0.0	0.0	0.1	0.0
	CD (5%)	21.4	11.4	6.6	29.5	9.9
	CD (1%)	28.5	15.3	8.8	39.3	13.0

Table No. 5: Trial No. 543 (NIVT-Late Maturity) **Yield (Kg/ha)**

S. No.	Entry Name	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhubnesh_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 7132	5667	56	7242	13	5941	12	5489	30	5688	21	6028	36	6871	16	6571	11	5420	49	6675	41	6445	24
2	AH 1625	9849	17	6100	32	6041	9	6167	13	5357	29	6617	19	7287	12	5408	36	7553	15	8645	5	6657	13
3	AH 8087	10728	2	5442	40	5635	18	6449	7	5415	25	6741	13	5971	30	5100	45	8557	2	7472	25	6570	16
4	AH 8323	8838	33	4804	51	6405	4	4295	57	7663	4	6416	22	5683	37	6002	26	6680	30	6161	56	6005	35
5	BH416112	9037	30	6586	26	5131	34	4579	54	4569	42	5966	38	3584	61	5746	28	4464	54	5997	59	4855	54
6	BIO 534	9240	27	5750	37	4939	39	3898	60	5025	35	5779	44	5472	40	4759	50	7074	25	8008	11	5804	41
7	BIO 536	7945	43	6091	33	4730	46	5699	26	4328	46	5778	45	5228	46	5196	43	3593	60	9383	2	4629	58
8	BLH135	7053	50	8768	1	4827	42	5623	27	6983	12	6621	18	6553	21	6309	21	5118	51	18094	1	6005	36
9	BLH137	9891	16	6514	28	5969	11	5210	36	6621	14	6844	10	6546	22	6952	4	6172	41	6930	35	6689	12
10	BRMH-16039	3846	59	4862	50	4431	54	4726	51	4081	48	4385	58	3129	62	6913	5	2402	61	7610	22	4190	61
11	CMH14-716	8385	39	5359	41	5499	23	5769	22	5409	26	6043	35	6252	26	6695	8	6180	40	7882	16	6532	17
12	CMH14-722	5994	54	5349	43	5017	36	4933	47	4759	40	5148	53	5087	50	3904	57	6994	26	7511	23	5319	48
13	CP808 SUPER	10564	3	6969	18	4168	57	5854	21	5206	31	6591	20	4319	56	4558	54	6461	36	7716	20	5130	50
14	DH-315	2698	61	4202	58	2590	62	6174	12	3979	49	3976	61	3725	60	4958	47	4549	53	6224	55	4338	60
15	FAUJI	9039	29	7115	16	4713	48	4934	46	4514	43	6114	34	7660	7	4374	56	7440	18	7370	28	6442	25
16	GK3124	8344	40	6420	29	5376	26	5298	34	3643	53	5818	43	7839	5	5404	37	8043	7	6367	53	7101	6
17	GK3164	8209	41	7688	3	4987	38	5487	31	4855	38	6264	30	6540	23	4597	53	6908	28	7433	26	5962	38
18	HKH-366	2979	60	4503	55	4715	47	6290	10	3549	55	4461	57	4393	55	5598	32	3912	59	6510	50	4476	59
19	HT18007	7921	44	6543	27	5291	27	4108	58	4686	41	5624	46	5889	32	5674	30	7366	19	6380	51	6291	30
20	IMHSB-17K-08	8017	42	5058	47	3182	59	5607	29	4972	37	5399	52	5761	34	6261	22	6674	31	7354	29	6269	31
21	IMHVS-005	9382	25	6694	24	6402	5	5407	32	5838	20	6740	14	5211	47	5224	42	7499	17	5703	62	5969	37
22	JH 15002	9899	15	5187	46	5136	33	4019	59	7155	10	6309	27	6565	20	5364	39	5626	47	7154	34	6005	34
23	JH 16026	7635	46	4735	53	4837	41	4649	53	7091	11	5818	42	7744	6	6426	16	5946	43	6130	57	6530	19
24	JH 16224	9561	22	6213	30	4810	43	6116	15	7862	2	6970	7	7389	11	6654	10	7605	11	7224	30	7142	5
25	JH 17014	9845	18	5811	36	5588	22	5949	19	5457	24	6465	21	5750	35	5840	27	7899	8	6929	36	6604	15
26	JH 17026	10816	1	5056	48	5879	14	5152	41	7218	8	6890	8	6934	15	5285	40	5883	44	7157	33	6059	32
27	JH 17029	10261	7	4782	52	6563	3	5917	20	6089	17	6646	17	7488	10	6431	15	5741	45	7405	27	6655	14
28	JKMH1581	5948	55	4394	56	4693	49	5150	42	2633	60	4575	56	6181	27	5608	31	5294	50	6911	37	5628	44
29	KMH-005	10522	4	6948	20	5385	25	5013	44	5359	28	6724	15	7213	13	7099	2	7582	12	8126	8	7391	3
30	KMH-1(CAH1612)	7703	45	6009	35	5783	15	6325	9	4223	47	6022	37	6048	29	3542	61	6660	32	8265	7	5478	46
31	KNMH-4185	9541	23	7352	11	4444	53	5712	25	4333	45	6188	32	7631	8	6109	24	8403	4	4443	63	7078	7
32	KNMH-4187	8828	34	4920	49	5625	20	6121	14	5386	27	6218	31	5943	31	5243	41	7808	9	6571	49	6427	27
33	MAH-14-138	4648	57	7533	7	4752	45	5159	40	5574	22	5597	47	5394	42	3885	58	4670	52	5951	60	4701	56
34	MAH-14-239	4467	58	4659	54	3808	58	5257	35	2938	59	4218	60	5311	43	3329	62	5597	48	7903	15	4717	55
35	MFH18-13	.	.	.	.	716	63	5163	39	968	63	.	.	.	.	.	.	.	.	8300	6	.	.
36	MFH18-14	2398	62	3458	61	2807	61	3217	63	2028	62	2819	62	3851	59	3831	60	990	62	6085	58	2874	62

Table No. 5: Trial No. 543 (NIVT-Late Maturity) **Yield (Kg/ha)**

S. No.	Entry Name	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhubnesh_OD		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
37	MM2033	6747	52	6970	17	4692	50	3713	61	5505	23	5559	49	4079	58	4522	55	7302	21	7205	31	5415	47
38	MM2828	7211	47	7683	4	5189	30	4717	52	2086	61	5400	51	4459	54	5371	38	6209	39	6655	43	5488	45
39	MM9207	9685	21	6942	21	5986	10	4349	55	4765	39	6358	26	7520	9	5495	33	6482	35	6598	46	6531	18
40	OMH 17-2	10110	10	5273	45	4570	51	5757	23	5097	33	6122	33	7137	14	5131	44	7320	20	7911	14	6402	28
41	PHM1801 (CAH1801)	8566	37	7441	9	4909	40	4886	48	3725	52	5865	40	5852	33	5474	35	4425	55	7725	19	5311	49
42	PM18101L	10045	14	7272	12	7422	1	5315	33	7584	5	7544	3	8702	1	6813	7	7260	22	7175	32	7839	1
43	PM18102L	9348	26	7546	6	5632	19	4848	49	4974	36	6368	25	8635	2	6389	18	6025	42	6606	45	6835	10
44	PM18103L	8612	36	5512	39	4992	37	5617	28	6755	13	6381	24	6626	18	6317	20	7700	10	6654	44	6870	9
45	PM18104L	8462	38	7119	15	6262	7	5985	16	6549	15	6815	11	6588	19	6353	19	6253	38	8109	9	6398	29
46	PM18105L	9817	19	6629	25	4760	44	5972	17	8141	1	7115	5	6768	17	5736	29	7085	24	8048	10	6529	20
47	PM18106L	10351	5	7367	10	6281	6	8746	1	7235	6	7980	1	8070	4	6823	6	7567	13	9056	3	7383	4
48	QMH 1590	6014	53	3645	60	4368	56	4814	50	2945	58	4369	59	5131	48	3843	59	5678	46	6582	48	4866	53
49	QMH1571	7203	48	3210	62	4370	55	5164	38	3304	57	4702	55	5067	52	4914	48	4300	56	6666	42	4685	57
50	Rasi 4992	10347	6	7935	2	6813	2	6570	4	7698	3	7881	2	6334	25	6240	23	8160	5	6899	39	6934	8
51	Rasi 70197	9453	24	6074	34	5598	21	3450	62	3305	56	5557	50	4845	53	6433	14	6599	33	7497	24	5909	39
52	STARX-5	7115	49	5673	38	5908	13	6517	5	3786	51	5829	41	6178	28	5478	34	4041	58	6902	38	5066	51
53	SUPER-4050	10052	13	6968	19	5034	35	5951	18	6065	18	6703	16	5663	38	6019	25	8437	3	6328	54	6522	21
54	SYN816514	8702	35	6786	22	5748	16	7107	2	3793	50	6266	28	5599	39	6993	3	6819	29	7785	17	6494	22
55	TS2505	10094	12	5348	44	5180	31	5174	37	3578	54	5882	39	5270	44	5011	46	6537	34	7971	13	5726	42
56	TS2601	9082	28	4038	59	4452	52	5727	24	4433	44	5573	48	6464	24	6448	13	6291	37	5766	61	6450	23
57	X5826	10185	8	6741	23	5267	28	5048	43	7221	7	6857	9	5236	45	4706	51	8146	6	6372	52	6009	33
58	X5873	9743	20	6180	31	5455	24	4327	56	5221	30	6265	29	5454	41	4907	49	6987	27	7642	21	5686	43
59	Filler (DHM-117)	6813	51	4208	57	2900	60	6472	6	5049	34	5134	54	4159	57	6426	17	4067	57	6714	40	4939	52
60	BIO 9682 ©	10182	9	7479	8	5688	17	4985	45	7157	9	7115	4	5067	51	6460	12	9154	1	6584	47	6721	11
61	CMH 08-282 ©	9006	31	7565	5	6201	8	6228	11	6247	16	7075	6	5089	49	6684	9	7514	16	7730	18	6442	26
62	CMH 08-287 ©	8936	32	5356	42	5161	32	7065	3	5872	19	6391	23	8164	3	7323	1	7566	14	9000	4	7724	2
63	NK 6240 ©	10099	11	7146	14	5205	29	6386	8	5179	32	6774	12	5713	36	4645	52	7199	23	7993	12	5890	40
	Location Mean	8332	.	6056	.	5093	.	5426	.	5154	.	6005	.	6003	.	5610	.	6390	.	7336	.	6001	.
	CV (%)	16.2	.	18.6	.	16.8	.	22.7	.	21.2	.	19.0	.	17.6	.	16.7	.	18.3	.	34.6	.	17.6	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.3	.	0.0	.
	CD (5%)	2181.9	.	1821.7	.	1382.2	.	1994.4	.	1770.7	.	866.9	.	1708.0	.	1518.2	.	1889.3	.	4103.7	.	1020.8	.
	CD (1%)	2887.1	.	2410.4	.	1828.6	.	2638.6	.	2342.7	.	1140.8	.	2260.0	.	2008.8	.	2499.8	.	5429.2	.	1344.5	.

Table No. 5: Trial No. 5 **Yield (Kg/ha)**

S. No.	Entry Name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pant_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 7132	5402	54	8056	24	10450	2	11446	16	9915	3	12113	18	12049	9	7494	35	6104	18
2	AH 1625	7320	13	7115	51	8099	30	8816	61	8291	45	11932	23	10355	26	8464	19	5996	22
3	AH 8087	4602	59	8371	16	5467	55	9949	42	7895	52	10782	45	9823	34	6467	53	5996	23
4	AH 8323	7176	17	8868	8	7526	40	10418	32	8911	29	11177	37	11417	15	7497	34	5912	25
5	BH416112	6185	39	8974	6	8427	20	9627	52	8640	38	8668	62	9489	39	9040	11	6439	15
6	BIO 534	5620	49	8756	11	9210	9	10159	39	9473	12	12484	14	10402	25	10304	1	5665	34
7	BIO 536	4843	57	7666	38	7568	39	12353	4	9050	24	10636	46	11931	12	6859	47	5572	36
8	BLH135	6194	37	7785	32	8760	16	10400	33	8886	30	11812	27	11998	10	8446	20	7713	2
9	BLH137	7679	10	8905	7	8964	14	11807	9	9550	7	12732	9	12128	7	9952	3	6014	20
10	BRMH-16039	6793	23	7694	36	3589	62	10244	36	7063	59	8882	60	6336	62	6112	54	4875	52
11	CMH14-716	8315	6	7961	27	6820	46	11262	18	8613	39	13474	1	9694	36	9525	7	6140	16
12	CMH14-722	5551	51	7606	40	5157	57	12129	7	8169	48	9966	56	9747	35	7096	43	5547	37
13	CP808 SUPER	5985	44	7573	42	7754	36	11649	12	8965	27	10578	48	8354	50	8141	29	5475	40
14	DH-315	3870	63	7685	37	2992	63	8288	62	6358	62	9144	58	6791	60	7353	39	4289	59
15	FAUJI	6699	24	6362	61	9382	8	9630	51	8502	41	12035	21	7025	58	9321	8	6462	13
16	GK3124	8504	4	7062	53	8523	19	10037	41	8660	37	11193	35	10477	23	8205	27	5714	32
17	GK3164	6089	41	6583	58	8240	27	11653	11	8850	32	12066	20	9221	43	8662	14	5916	24
18	HKH-366	6622	27	9026	5	6416	48	9223	58	8222	47	9124	59	6514	61	4703	60	3949	61
19	HT18007	7964	8	6424	60	5994	51	9711	50	7304	56	11039	39	8772	48	5721	59	5070	49
20	IMHSB-17K-08	9304	1	7728	35	6655	47	9313	55	7827	53	10536	50	8904	46	6665	51	5777	29
21	IMHVS-005	5922	45	7120	50	7739	37	9833	45	8488	42	13398	3	9836	33	6837	48	6070	19
22	JH 15002	7154	18	7736	34	8290	26	9247	56	8548	40	11925	24	10986	18	9030	12	6701	10
23	JH 16026	6595	28	7096	52	8744	17	11027	24	9232	18	12118	17	10842	20	7361	38	6007	21
24	JH 16224	5220	55	7882	30	11051	1	10229	37	9720	5	11122	38	12248	5	8558	15	7473	4
25	JH 17014	8377	5	8305	17	9149	11	10304	35	9049	25	10545	49	9490	38	6935	45	4580	55
26	JH 17026	7116	19	9099	4	8315	24	11245	19	9474	11	11740	30	11244	16	8365	24	6807	9
27	JH 17029	6417	32	7230	48	9395	7	11163	21	9361	14	12112	19	10760	21	8070	30	5856	27
28	JKMH1581	6540	30	8834	9	6209	49	9438	54	8145	49	10831	44	12248	6	8312	25	5492	39
29	KMH-005	4806	58	8413	15	9075	13	12184	5	9695	6	13410	2	11470	13	8471	18	5877	26
30	KMH-1(CAH1612)	7229	15	7263	47	7079	42	10602	30	8245	46	10395	52	8260	51	8543	16	5320	42
31	KNMH-4185	5048	56	6304	62	7071	44	9728	48	7948	51	10941	41	8171	52	5758	58	4532	57
32	KNMH-4187	8928	2	6735	57	8313	25	9726	49	8340	44	11015	40	10451	24	8419	22	6846	7
33	MAH-14-138	6458	31	7040	54	8395	22	9911	43	8429	43	10426	51	7900	55	6585	52	5315	43
34	MAH-14-239	7180	16	6761	56	4024	60	10556	31	7026	60	10172	55	7084	57	4622	61	3854	62
35	MFH18-13	5830	46	.	.	5595	54	.	.	.	.	.	.	.	.	.	.	.	.
36	MFH18-14	7435	12	7584	41	5854	52	9779	46	7613	55	8815	61	6847	59	6985	44	5238	45

Table No. 5: Trial No. 5 **Yield (Kg/ha)**

S. No.	Entry Name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pant_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
37	MM2033	6680	26	7919	28	7912	34	11351	17	9079	23	12592	12	12051	8	6679	50	5687	33
38	MM2828	6245	36	8534	13	8599	18	11068	23	9211	19	12393	15	9888	32	5812	57	5230	46
39	MM9207	5520	52	8032	25	7959	31	11894	8	9191	20	10632	47	7801	56	7594	33	5744	30
40	OMH 17-2	4121	62	8265	19	5607	53	10375	34	8105	50	11402	33	10953	19	6862	46	4842	53
41	PHM1801 (CAH1801)	4238	61	8215	21	8121	29	10886	26	8998	26	10874	42	10311	27	8371	23	5082	48
42	PM18101L	6595	29	9212	3	8826	15	11646	13	9532	8	13009	4	13135	3	9182	9	7504	3
43	PM18102L	6146	40	7377	45	8139	28	11186	20	9293	16	11741	29	10570	22	7162	42	5826	28
44	PM18103L	6988	21	6560	59	3648	61	8929	60	6511	61	12908	6	13495	2	8883	13	7081	6
45	PM18104L	8193	7	9263	2	7624	38	11720	10	9477	10	11490	31	13660	1	8493	17	6845	8
46	PM18105L	6291	34	7910	29	9151	10	13349	1	9992	1	11811	28	10184	28	7427	36	4570	56
47	PM18106L	7436	11	7996	26	9125	12	12700	2	9967	2	12832	7	11441	14	9048	10	6105	17
48	QMH 1590	5678	48	8770	10	5225	56	9020	59	7706	54	9462	57	7966	53	5922	55	4255	60
49	QMH1571	8749	3	7136	49	4424	59	9232	57	7140	57	10309	53	7956	54	4244	62	4890	51
50	Rasi 4992	5815	47	7366	46	7956	33	10711	28	8673	36	12910	5	10067	29	10186	2	8387	1
51	Rasi 70197	6254	35	8177	22	6985	45	10942	25	8792	33	11326	34	9489	40	8052	31	4427	58
52	STARX-5	6698	25	7761	33	7420	41	10078	40	8860	31	10859	43	8894	47	7368	37	5443	41
53	SUPER-4050	6187	38	9277	1	7078	43	11133	22	9288	17	12199	16	9916	31	9567	6	5203	47
54	SYN816514	5508	53	8443	14	9682	3	10862	27	9722	4	12730	10	11953	11	7705	32	4810	54
55	TS2505	6040	43	8612	12	8326	23	12443	3	9499	9	11912	25	9008	45	6738	49	4914	50
56	TS2601	6073	42	7850	31	7956	32	10203	38	8685	35	11186	36	9237	42	5915	56	5305	44
57	X5826	7261	14	8234	20	8407	21	9746	47	9090	22	12668	11	9557	37	7203	40	6668	11
58	X5873	6293	33	7003	55	9527	6	9836	44	8915	28	12757	8	9954	30	9613	5	6537	12
59	Filler (DHM-117)	4521	60	8091	23	4530	58	9464	53	7078	58	10219	54	9215	44	7179	41	5582	35
60	BIO 9682 ©	7767	9	8283	18	6128	50	11447	15	8777	34	12564	13	8712	49	8439	21	5743	31
61	CMH 08-282 ©	5558	50	7442	43	7763	35	12161	6	9150	21	11988	22	11079	17	8148	28	5535	38
62	CMH 08-287 ©	6897	22	7426	44	9536	5	11545	14	9307	15	11411	32	12603	4	9838	4	6453	14
63	NK 6240 ©	7051	20	7631	39	9640	4	10633	29	9408	13	11867	26	9378	41	8251	26	7118	5
	Location Mean	6473	.	7842	.	7549	.	10606	.	8660	.	11419	.	9952	.	7720	.	5749	.
	CV (%)	32.9	.	18.1	.	12.6	.	12.4	.	14.4	.	10.1	.	10.4	.	18.9	.	14.2	.
	F (Prob)	0.8	.	0.9	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.
	CD (5%)	3445.8	.	2297.2	.	1537.7	.	2132.4	.	1187.6	.	1869.9	.	1670.9	.	2363.2	.	1318.2	.
	CD (1%)	4558.9	.	3039.6	.	2034.4	.	2821.5	.	1564.2	.	2474.2	.	2211.0	.	3127.0	.	1744.2	.

Table No. 5: Trial No. 5 **Yield (Kg/ha)**

S. No.	Entry Name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 7132	5493	31	10754	17	8166	24	5927	24	9288	19	8965	13	7942	15
2	AH 1625	5761	21	9623	41	8370	21	5657	40	9620	12	8766	25	7775	22
3	AH 8087	4502	54	8878	53	7499	42	5847	30	9091	24	8123	42	7485	35
4	AH 8323	5834	16	8618	55	7581	40	6492	10	8180	39	8293	38	7538	32
5	BH416112	5288	35	9295	51	7447	46	5262	56	10151	5	8259	39	7194	44
6	BIO 534	5805	18	9619	43	7485	43	6496	9	7747	46	8728	27	7597	31
7	BIO 536	7696	2	8654	54	9649	3	5820	33	7174	50	8310	37	7193	45
8	BLH135	4098	58	10442	20	8907	11	5883	26	7778	45	9105	10	7930	16
9	BLH137	6027	13	9888	37	9010	10	7122	2	9304	18	9542	4	8402	5
10	BRMH-16039	3891	59	9117	52	6106	57	5251	57	6398	58	6718	56	5770	59
11	CMH14-716	5978	14	10159	26	8088	25	5811	34	9033	27	8951	15	7744	24
12	CMH14-722	4785	47	10374	22	7078	49	5268	55	8717	30	7986	43	6854	51
13	CP808 SUPER	6042	11	9959	34	6309	55	5646	41	7628	47	7779	48	7240	43
14	DH-315	4635	51	7901	60	6019	58	5074	59	5243	62	6502	60	5478	60
15	FAUJI	5573	28	10762	16	7332	47	6836	3	8067	40	8421	36	7512	34
16	GK3124	5778	20	11884	1	7614	39	6670	7	8398	36	8710	28	7675	27
17	GK3164	5603	27	10784	15	7452	45	6596	8	9790	9	8896	17	7740	25
18	HKH-366	4655	50	8543	56	6776	53	5019	61	6487	57	6353	61	5860	57
19	HT18007	7000	4	9446	48	7739	35	5032	60	6839	54	7528	53	6803	52
20	IMHSB-17K-08	5203	36	9909	36	8325	22	5683	38	7380	48	7887	45	6971	50
21	IMHVS-005	5895	15	10020	32	8025	29	5539	45	8368	37	8481	35	7608	30
22	JH 15002	6513	6	10618	18	8017	30	6086	17	8811	29	8995	12	7730	26
23	JH 16026	7072	3	10589	19	7840	32	5932	23	7993	43	8646	29	7654	28
24	JH 16224	6519	5	9950	35	9684	2	5594	42	9057	25	9276	8	8413	4
25	JH 17014	4422	55	9860	38	7683	36	5868	29	6732	55	7677	51	7409	38
26	JH 17026	5666	25	10799	14	8547	18	6035	19	6921	52	8802	21	7979	13
27	JH 17029	3849	61	9450	47	7789	34	6162	16	8429	35	8538	32	7855	21
28	JKMH1581	9560	1	9709	40	.	.	7366	1	9182	23	.	.	.	.
29	KMH-005	4874	45	8118	59	9302	5	5388	51	9982	7	8962	14	8251	8
30	KMH-1(CAH1612)	5289	34	9617	44	7055	50	5421	50	8552	34	7874	46	7069	48
31	KNMH-4185	4359	56	9389	49	8218	23	5876	27	9270	20	7810	47	7284	42
32	KNMH-4187	4966	42	8518	57	8625	16	6793	5	9466	15	8747	26	7643	29
33	MAH-14-138	4953	43	10088	29	6809	52	5440	49	6390	59	7351	54	6642	53
34	MAH-14-239	4905	44	7864	61	5448	61	5932	22	7962	44	6662	59	5779	58
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36	MFH18-14	3711	62	6999	62	6576	54	5927	25	5855	61	6669	58	5218	61

Table No. 5: Trial No. 5 **Yield (Kg/ha)**

S. No.	Entry Name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
37	MM2033	5747	22	10806	13	8875	13	5146	58	9248	22	8865	20	7479	37
38	MM2828	6031	12	10134	28	8571	17	5836	31	10698	2	8584	30	7365	41
39	MM9207	4773	48	11416	6	7577	41	5568	43	7233	49	7970	44	7519	33
40	OMH 17-2	5340	33	11764	2	8040	27	6197	15	8040	42	8501	33	7482	36
41	PHM1801 (CAH1801)	5381	32	10259	25	7668	37	6454	12	8945	28	8490	34	7377	40
42	PM18101L	6487	7	11732	3	8698	15	6489	11	9373	17	9868	1	8896	1
43	PM18102L	5146	39	11273	7	8891	12	5828	32	9450	16	8890	19	7945	14
44	PM18103L	5179	37	11249	8	8842	14	5870	28	9538	13	9719	2	7879	19
45	PM18104L	5084	40	10029	31	10110	1	6218	14	10710	1	9709	3	8390	6
46	PM18105L	4789	46	11149	9	8032	28	6828	4	10521	3	8892	18	8243	9
47	PM18106L	6065	10	11585	4	9168	7	6704	6	9264	21	9427	5	8804	2
48	QMH 1590	4167	57	8365	58	5774	60	5811	35	6626	56	6688	57	5944	56
49	QMH1571	5510	30	9990	33	7455	44	4718	62	6152	60	6985	55	6038	55
50	Rasi 4992	5793	19	9329	50	8462	19	5935	21	9518	14	9347	6	8473	3
51	Rasi 70197	4522	53	10411	21	5851	59	5445	48	7081	51	7706	50	7020	49
52	STARX-5	6357	9	10305	23	7249	48	5951	20	8705	31	8176	40	7159	46
53	SUPER-4050	6444	8	10072	30	9141	9	5798	36	9705	10	8930	16	8013	12
54	SYN816514	3861	60	11482	5	9565	4	5750	37	9678	11	9185	9	8063	10
55	TS2505	5621	26	11148	10	6950	51	6045	18	9039	26	8168	41	7402	39
56	TS2601	5179	38	9810	39	8396	20	5289	54	6872	53	7741	49	7113	47
57	X5826	5815	17	10261	24	7826	33	6231	13	9860	8	8786	23	7867	20
58	X5873	4994	41	11061	11	8085	26	5514	46	8246	38	9014	11	7752	23
59	Filler (DHM-117)	4578	52	9530	46	6160	56	5665	39	8043	41	7615	52	6468	54
60	BIO 9682 ©	4754	49	9539	45	7641	38	5295	53	10400	4	8562	31	7924	17
61	CMH 08-282 ©	5542	29	9621	42	9151	8	5483	47	8602	32	8777	24	8023	11
62	CMH 08-287 ©	5696	24	10928	12	9299	6	5298	52	8554	33	9318	7	8303	7
63	NK 6240 ©	5728	23	10136	27	7914	31	5554	44	10120	6	8800	22	7894	18
	Location Mean	5430	.	9995	.	7921	.	5868	.	8479	.	8389	.	7424	.
	CV (%)	20.8	.	11.7	.	12.4	.	12.7	.	13.3	.	12.9	.	15.1	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1827.1	.	1885.6	.	1594.9	.	1208.7	.	1819.5	.	648.3	.	433.7	.
	CD (1%)	2417.7	.	2495.0	.	2110.6	.	1599.4	.	2407.6	.	852.8	.	570.2	.

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-44.34	56	-3.16	13	4.46	12	10.12	30	-20.53	21	-15.28	36	35.59	16	1.72	11	-40.8	49	1.38	41	-4.11	24
2	AH 1625	-3.27	17	-18.44	32	6.21	9	23.71	13	-25.15	29	-7	19	43.81	12	-16.29	36	-17.49	15	31.3	5	-0.96	13
3	AH 8087	5.37	2	-27.23	40	-0.93	18	29.37	7	-24.34	25	-5.26	13	17.83	30	-21.05	45	-6.53	2	13.48	25	-2.26	16
4	AH 8323	-13.19	33	-35.76	51	12.61	4	-13.83	57	7.06	4	-9.83	22	12.15	37	-7.09	26	-27.03	30	-6.43	56	-10.66	35
5	BH416112	-11.24	30	-11.93	26	-9.79	34	-8.14	54	-36.16	42	-16.15	38	-29.27	61	-11.05	28	-51.23	54	-8.92	59	-27.76	54
6	BIO 534	-9.25	27	-23.11	37	-13.15	39	-21.81	60	-29.79	35	-18.78	44	7.98	40	-26.33	50	-22.72	25	21.62	11	-13.65	41
7	BIO 536	-21.97	43	-18.56	33	-16.83	46	14.33	26	-39.52	46	-18.8	45	3.17	46	-19.57	43	-60.75	60	42.51	2	-31.13	58
8	BLH135	-30.73	50	17.24	1	-15.14	42	12.8	27	-2.43	12	-6.95	18	29.33	21	-2.33	21	-44.09	51	174.81	1	-10.66	36
9	BLH137	-2.86	16	-12.9	28	4.95	11	4.52	36	-7.49	14	-3.81	10	29.18	22	7.62	4	-32.58	41	5.25	35	-0.48	12
10	BRMH-16039	-62.23	59	-34.99	50	-22.1	54	-5.18	51	-42.98	48	-38.38	58	-38.25	62	7.01	5	-73.76	61	15.58	22	-37.66	61
11	CMH14-716	-17.64	39	-28.34	41	-3.32	23	15.72	22	-24.42	26	-15.07	35	23.39	26	3.64	8	-32.49	40	19.7	16	-2.82	17
12	CMH14-722	-41.13	54	-28.48	43	-11.79	36	-1.03	47	-33.5	40	-27.65	53	0.39	50	-39.56	57	-23.6	26	14.08	23	-20.87	48
13	CP808 SUPER	3.75	3	-6.81	18	-26.72	57	17.43	21	-27.25	31	-7.38	20	-14.77	56	-29.45	54	-29.42	36	17.18	20	-23.68	50
14	DH-315	-73.5	61	-43.82	58	-54.46	62	23.85	12	-44.4	49	-44.12	61	-26.5	60	-23.25	47	-50.31	53	-5.47	55	-35.46	60
15	FAUJI	-11.22	29	-4.87	16	-17.13	48	-1.02	46	-36.93	43	-14.08	34	51.17	7	-32.29	56	-18.72	18	11.93	28	-4.15	25
16	GK3124	-18.05	40	-14.16	29	-5.47	26	6.28	34	-49.09	53	-18.24	43	54.69	5	-16.34	37	-12.14	7	-3.31	53	5.64	6
17	GK3164	-19.38	41	2.81	3	-12.32	38	10.08	31	-32.16	38	-11.97	30	29.06	23	-28.84	53	-24.54	28	12.89	26	-11.3	38
18	HKH-366	-70.74	60	-39.79	55	-17.1	47	26.19	10	-50.42	55	-37.31	57	-13.31	55	-13.34	32	-57.27	59	-1.13	50	-33.41	59
19	HT18007	-22.2	44	-12.52	27	-6.98	27	-17.58	58	-34.53	41	-20.95	46	16.21	32	-12.16	30	-19.53	19	-3.1	51	-6.4	30
20	IMHSB-17K-08	-21.26	42	-32.37	47	-44.06	59	12.49	29	-30.53	37	-24.13	52	13.69	34	-3.08	22	-27.09	31	11.68	29	-6.73	31
21	IMHVS-005	-7.86	25	-10.5	24	12.56	5	8.46	32	-18.43	20	-5.27	14	2.82	47	-19.12	42	-18.08	17	-13.39	62	-11.19	37
22	JH 15002	-2.77	15	-30.64	46	-9.71	33	-19.37	59	-0.03	10	-11.33	27	29.55	20	-16.97	39	-38.54	47	8.66	34	-10.65	34
23	JH 16026	-25.02	46	-36.68	53	-14.95	41	-6.73	53	-0.93	11	-18.23	42	52.82	6	-0.52	16	-35.05	43	-6.9	57	-2.85	19
24	JH 16224	-6.1	22	-16.92	30	-15.42	43	22.7	15	9.85	2	-2.05	7	45.82	11	3	10	-16.92	11	9.71	30	6.26	5
25	JH 17014	-3.3	18	-22.29	36	-1.76	22	19.35	19	-23.75	24	-9.15	21	13.47	35	-9.59	27	-13.72	8	5.24	36	-1.74	15
26	JH 17026	6.23	1	-32.4	48	3.37	14	3.35	41	0.85	8	-3.16	8	36.84	15	-18.18	40	-35.74	44	8.7	33	-9.85	32
27	JH 17029	0.78	7	-36.06	52	15.39	3	18.71	20	-14.92	17	-6.6	17	47.77	10	-0.44	15	-37.29	45	12.46	27	-0.99	14
28	JKMH1581	-41.58	55	-41.24	56	-17.49	49	3.32	42	-63.21	60	-35.7	56	21.97	27	-13.19	31	-42.17	50	4.97	37	-16.27	44
29	KMH-005	3.34	4	-7.09	20	-5.32	25	0.57	44	-25.12	28	-5.5	15	42.34	13	9.9	2	-17.18	12	23.41	8	9.97	3
30	KMH-1(CAH1612)	-24.35	45	-19.65	35	1.67	15	26.89	9	-41	47	-15.36	37	19.34	29	-45.17	61	-27.24	32	25.53	7	-18.5	46
31	KNMH-4185	-6.29	23	-1.7	11	-21.87	53	14.59	25	-39.46	45	-13.04	32	50.6	8	-5.43	24	-8.21	4	-32.52	63	5.31	7
32	KNMH-4187	-13.3	34	-34.21	49	-1.11	20	22.79	14	-24.74	27	-12.61	31	17.28	31	-18.84	41	-14.71	9	-0.2	49	-4.38	27
33	MAH-14-138	-54.35	57	0.72	7	-16.45	45	3.48	40	-22.12	22	-21.34	47	6.45	42	-39.86	58	-48.98	52	-9.62	60	-30.06	56
34	MAH-14-239	-56.13	58	-37.71	54	-33.06	58	5.47	35	-58.95	59	-40.73	60	4.82	43	-48.46	62	-38.86	48	20.03	15	-29.82	55
35	MFH18-13	.	.	.	.	-87.41	63	3.58	39	-86.48	63	.	.	.	.	.	.	.	.	26.06	6	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-76.45	62	-53.76	61	-50.64	61	-35.46	63	-71.67	62	-60.38	62	-24	59	-40.7	60	-89.19	62	-7.58	58	-57.24	62
37	MM2033	-33.74	52	-6.8	17	-17.5	50	-25.52	61	-23.08	23	-21.87	49	-19.51	58	-29.99	55	-20.24	21	9.43	31	-19.43	47
38	MM2828	-29.17	47	2.74	4	-8.77	30	-5.37	52	-70.85	61	-24.11	51	-12.01	54	-16.85	38	-32.17	39	1.08	43	-18.35	45
39	MM9207	-4.88	21	-7.17	21	5.25	10	-12.76	55	-33.42	39	-10.65	26	48.39	9	-14.93	33	-29.19	35	0.21	46	-2.84	18
40	OMH 17-2	-0.71	10	-29.49	45	-19.66	51	15.48	23	-28.79	33	-13.96	33	40.84	14	-20.56	44	-20.04	20	20.16	14	-4.74	28
41	PHM1801 (CAH1801)	-15.87	37	-0.51	9	-13.68	40	-1.98	48	-47.95	52	-17.57	40	15.49	33	-15.26	35	-51.66	55	17.32	19	-20.99	49
42	PM18101L	-1.34	14	-2.77	12	30.5	1	6.62	33	5.96	5	6.03	3	71.73	1	5.47	7	-20.7	22	8.97	32	16.63	1
43	PM18102L	-8.19	26	0.9	6	-0.98	19	-2.74	49	-30.5	36	-10.51	25	70.4	2	-1.1	18	-34.19	42	0.33	45	1.69	10
44	PM18103L	-15.42	36	-26.3	39	-12.24	37	12.68	28	-5.62	13	-10.32	24	30.76	18	-2.21	20	-15.89	10	1.05	44	2.22	9
45	PM18104L	-16.89	38	-4.8	15	10.1	7	20.07	16	-8.5	15	-4.22	11	30	19	-1.65	19	-31.69	38	23.15	9	-4.81	29
46	PM18105L	-3.58	19	-11.36	25	-16.31	44	19.8	17	13.75	1	0	5	33.56	17	-11.2	29	-22.61	24	22.23	10	-2.86	20
47	PM18106L	1.66	5	-1.5	10	10.44	6	75.46	1	1.08	6	12.15	1	59.24	4	5.62	6	-17.34	13	37.54	3	9.84	4
48	QMH 1590	-40.94	53	-51.27	60	-23.2	56	-3.43	50	-58.85	58	-38.6	59	1.26	48	-40.5	59	-37.98	46	-0.04	48	-27.61	53
49	QMH1571	-29.26	48	-57.07	62	-23.16	55	3.59	38	-53.84	57	-33.92	55	0	52	-23.93	48	-53.03	56	1.24	42	-30.3	57
50	Rasi 4992	1.62	6	6.1	2	19.79	2	31.8	4	7.57	3	10.77	2	25	25	-3.4	23	-10.86	5	4.78	39	3.16	8
51	Rasi 70197	-7.15	24	-18.78	34	-1.57	21	-30.79	62	-53.82	56	-21.9	50	-4.39	53	-0.42	14	-27.91	33	13.87	24	-12.08	39
52	STARX-5	-30.12	49	-24.15	38	3.87	13	30.73	5	-47.1	51	-18.07	41	21.91	28	-15.2	34	-55.86	58	4.82	38	-24.63	51
53	SUPER-4050	-1.27	13	-6.82	19	-11.5	35	19.38	18	-15.26	18	-5.79	16	11.75	38	-6.83	25	-7.84	3	-3.89	54	-2.96	21
54	SYN816514	-14.53	35	-9.26	22	1.05	16	42.57	2	-47.01	50	-11.93	28	10.5	39	8.26	3	-25.51	29	18.24	17	-3.38	22
55	TS2505	-0.87	12	-28.49	44	-8.92	31	3.8	37	-50.01	54	-17.33	39	4	44	-22.42	46	-28.59	34	21.06	13	-14.81	42
56	TS2601	-10.8	28	-46	59	-21.72	52	14.88	24	-38.06	44	-21.67	48	27.56	24	-0.19	13	-31.28	37	-12.43	61	-4.04	23
57	X5826	0.03	8	-9.87	23	-7.4	28	1.27	43	0.89	7	-3.63	9	3.33	45	-27.14	51	-11.02	6	-3.22	52	-10.59	33
58	X5873	-4.31	20	-17.36	31	-4.09	24	-13.2	56	-27.05	30	-11.95	29	7.63	41	-24.04	49	-23.68	27	16.06	21	-15.41	43
59	Filler (DHM-117)	-33.08	51	-43.73	57	-49.01	60	29.84	6	-29.45	34	-27.84	54	-17.92	57	-0.53	17	-55.58	57	1.97	40	-26.52	52
60	BIO 9682 ©	0	9	0	8	0	17	0	45	0	9	0	4	0	51	0	12	0	1	0	47	0	11
61	CMH 08-282 ©	-11.55	31	1.15	5	9.03	8	24.94	11	-12.72	16	-0.57	6	0.44	49	3.47	9	-17.92	16	17.4	18	-4.16	26
62	CMH 08-287 ©	-12.24	32	-28.38	42	-9.26	32	41.73	3	-17.96	19	-10.19	23	61.11	3	13.37	1	-17.35	14	36.69	4	14.91	2
63	NK 6240 ©	-0.82	11	-4.45	14	-8.48	29	28.12	8	-27.64	32	-4.8	12	12.73	36	-28.09	52	-21.36	23	21.39	12	-12.37	40

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-30.46	54	-2.74	24	70.55	2	-0.01	16	12.97	3	-3.59	18	38.3	9	-11.2	35	6.29	18
2	AH 1625	-5.76	13	-14.1	51	32.18	30	-22.98	61	-5.53	45	-5.03	23	18.87	26	0.3	19	4.41	22
3	AH 8087	-40.75	59	1.06	16	-10.78	55	-13.08	42	-10.05	52	-14.19	45	12.75	34	-23.37	53	4.4	23
4	AH 8323	-7.62	17	7.07	8	22.83	40	-8.98	32	1.53	29	-11.04	37	31.05	15	-11.17	34	2.95	25
5	BH416112	-20.37	39	8.34	6	37.53	20	-15.9	52	-1.56	38	-31.01	62	8.93	39	7.12	11	12.12	15
6	BIO 534	-27.65	49	5.71	11	50.29	9	-11.25	39	7.93	12	-0.64	14	19.4	25	22.1	1	-1.36	34
7	BIO 536	-37.64	57	-7.44	38	23.5	39	7.92	4	3.11	24	-15.34	46	36.96	12	-18.72	47	-2.98	36
8	BLH135	-20.26	37	-6.01	32	42.96	16	-9.14	33	1.24	30	-5.99	27	37.73	10	0.08	20	34.3	2
9	BLH137	-1.14	10	7.51	7	46.29	14	3.15	9	8.81	7	1.33	9	39.21	7	17.93	3	4.73	20
10	BRMH-16039	-12.55	23	-7.11	36	-41.42	62	-10.51	36	-19.53	59	-29.3	60	-27.27	62	-27.57	54	-15.12	52
11	CMH14-716	7.05	6	-3.88	27	11.29	46	-1.61	18	-1.87	39	7.24	1	11.28	36	12.87	7	6.91	16
12	CMH14-722	-28.54	51	-8.17	40	-15.84	57	5.96	7	-6.93	48	-20.68	56	11.89	35	-15.91	43	-3.41	37
13	CP808 SUPER	-22.95	44	-8.57	42	26.54	36	1.77	12	2.14	27	-15.81	48	-4.11	50	-3.53	29	-4.67	40
14	DH-315	-50.18	63	-7.22	37	-51.17	63	-27.59	62	-27.57	62	-27.22	58	-22.05	60	-12.87	39	-25.32	59
15	FAUJI	-13.76	24	-23.2	61	53.12	8	-15.87	51	-3.13	41	-4.21	21	-19.36	58	10.45	8	12.51	13
16	GK3124	9.48	4	-14.74	53	39.1	19	-12.32	41	-1.33	37	-10.92	35	20.27	23	-2.77	27	-0.51	32
17	GK3164	-21.61	41	-20.52	58	34.47	27	1.8	11	0.83	32	-3.96	20	5.84	43	2.64	14	3	24
18	HKH-366	-14.75	27	8.97	5	4.7	48	-19.42	58	-6.32	47	-27.38	59	-25.23	61	-44.27	60	-31.23	61
19	HT18007	2.53	8	-22.44	60	-2.17	51	-15.17	50	-16.78	56	-12.14	39	0.69	48	-32.2	59	-11.71	49
20	IMHSB-17K-08	19.78	1	-6.7	35	8.6	47	-18.64	55	-10.82	53	-16.14	50	2.21	46	-21.02	51	0.59	29
21	IMHVS-005	-23.75	45	-14.04	50	26.29	37	-14.1	45	-3.3	42	6.64	3	12.91	33	-18.98	48	5.69	19
22	JH 15002	-7.89	18	-6.6	34	35.29	26	-19.22	56	-2.61	40	-5.09	24	26.11	18	7	12	16.69	10
23	JH 16026	-15.09	28	-14.33	52	42.7	17	-3.67	24	5.19	18	-3.55	17	24.45	20	-12.77	38	4.59	21
24	JH 16224	-32.8	55	-4.84	30	80.35	1	-10.63	37	10.75	5	-11.48	38	40.59	5	1.41	15	30.12	4
25	JH 17014	7.85	5	0.26	17	49.31	11	-9.98	35	3.1	25	-16.07	49	8.93	38	-17.83	45	-20.26	55
26	JH 17026	-8.39	19	9.86	4	35.7	24	-1.76	19	7.94	11	-6.56	30	29.07	16	-0.87	24	18.52	9
27	JH 17029	-17.38	32	-12.71	48	53.33	7	-2.48	21	6.65	14	-3.6	19	23.52	21	-4.38	30	1.98	27
28	JKMH1581	-15.81	30	6.65	9	1.33	49	-17.55	54	-7.2	49	-13.8	44	40.59	6	-1.5	25	-4.37	39
29	KMH-005	-38.13	58	1.57	15	48.1	13	6.44	5	10.46	6	6.73	2	31.66	13	0.37	18	2.33	26
30	KMH-1(CAH1612)	-6.94	15	-12.32	47	15.52	42	-7.38	30	-6.06	46	-17.27	52	-5.19	51	1.23	16	-7.37	42
31	KNMH-4185	-35.01	56	-23.89	62	15.39	44	-15.02	48	-9.45	51	-12.92	41	-6.21	52	-31.77	58	-21.09	57
32	KNMH-4187	14.94	2	-18.69	57	35.66	25	-15.03	49	-4.98	44	-12.33	40	19.96	24	-0.24	22	19.2	7
33	MAH-14-138	-16.85	31	-15.01	54	36.99	22	-13.42	43	-3.96	43	-17.02	51	-9.31	55	-21.97	52	-7.45	43
34	MAH-14-239	-7.56	16	-18.38	56	-34.33	60	-7.78	31	-19.95	60	-19.04	55	-18.68	57	-45.23	61	-32.89	62
35	MFH18-13	-24.94	46	.	.	-8.69	54	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-4.29	12	-8.44	41	-4.46	52	-14.57	46	-13.26	55	-29.84	61	-21.4	59	-17.23	44	-8.79	45
37	MM2033	-14	26	-4.39	28	29.12	34	-0.84	17	3.44	23	0.22	12	38.33	8	-20.85	50	-0.98	33
38	MM2828	-19.6	36	3.03	13	40.33	18	-3.31	23	4.94	19	-1.36	15	13.5	32	-31.13	57	-8.93	46
39	MM9207	-28.93	52	-3.03	25	29.88	31	3.91	8	4.71	20	-15.38	47	-10.46	56	-10.01	33	0.01	30
40	OMH 17-2	-46.94	62	-0.21	19	-8.49	53	-9.36	34	-7.66	50	-9.25	33	25.72	19	-18.69	46	-15.69	53
41	PHM1801 (CAH1801)	-45.44	61	-0.82	21	32.52	29	-4.9	26	2.52	26	-13.45	42	18.36	27	-0.81	23	-11.51	48
42	PM18101L	-15.09	29	11.22	3	44.04	15	1.74	13	8.6	8	3.54	4	50.78	3	8.81	9	30.67	3
43	PM18102L	-20.88	40	-10.94	45	32.83	28	-2.27	20	5.88	16	-6.55	29	21.33	22	-15.14	42	1.45	28
44	PM18103L	-10.04	21	-20.8	59	-40.46	61	-21.99	60	-25.82	61	2.73	6	54.91	2	5.26	13	23.29	6
45	PM18104L	5.48	7	11.84	2	24.43	38	2.39	10	7.98	10	-8.55	31	56.8	1	0.64	17	19.19	8
46	PM18105L	-19	34	-4.5	29	49.33	10	16.62	1	13.85	1	-6	28	16.9	28	-11.99	36	-20.42	56
47	PM18106L	-4.27	11	-3.46	26	48.92	12	10.95	2	13.56	2	2.13	7	31.33	14	7.21	10	6.3	17
48	QMH 1590	-26.9	48	5.88	10	-14.73	56	-21.2	59	-12.2	54	-24.69	57	-8.56	53	-29.83	55	-25.91	60
49	QMH1571	12.63	3	-13.85	49	-27.8	59	-19.35	57	-18.65	57	-17.95	53	-8.67	54	-49.72	62	-14.85	51
50	Rasi 4992	-25.14	47	-11.07	46	29.83	33	-6.42	28	-1.19	36	2.75	5	15.55	29	20.7	2	46.04	1
51	Rasi 70197	-19.49	35	-1.28	22	13.99	45	-4.41	25	0.18	33	-9.85	34	8.92	40	-4.59	31	-22.92	58
52	STARX-5	-13.77	25	-6.3	33	21.09	41	-11.95	40	0.95	31	-13.57	43	2.1	47	-12.69	37	-5.23	41
53	SUPER-4050	-20.35	38	12.01	1	15.51	43	-2.74	22	5.83	17	-2.91	16	13.82	31	13.36	6	-9.4	47
54	SYN816514	-29.09	53	1.94	14	58.01	3	-5.11	27	10.76	4	1.32	10	37.2	11	-8.7	32	-16.25	54
55	TS2505	-22.24	43	3.97	12	35.88	23	8.7	3	8.23	9	-5.19	25	3.4	45	-20.16	49	-14.43	50
56	TS2601	-21.81	42	-5.23	31	29.84	32	-10.87	38	-1.05	35	-10.97	36	6.03	42	-29.91	56	-7.63	44
57	X5826	-6.52	14	-0.59	20	37.2	21	-14.86	47	3.56	22	0.83	11	9.7	37	-14.65	40	16.11	11
58	X5873	-18.98	33	-15.45	55	55.48	6	-14.07	44	1.58	28	1.53	8	14.26	30	13.9	5	13.83	12
59	Filler (DHM-117)	-41.8	60	-2.31	23	-26.07	58	-17.32	53	-19.35	58	-18.67	54	5.78	44	-14.93	41	-2.8	35
60	BIO 9682 ©	0	9	0	18	0	50	0	15	0	34	0	13	0	49	0	21	0	31
61	CMH 08-282 ©	-28.44	50	-10.16	43	26.68	35	6.24	6	4.25	21	-4.58	22	27.17	17	-3.45	28	-3.62	38
62	CMH 08-287 ©	-11.21	22	-10.34	44	55.63	5	0.86	14	6.04	15	-9.18	32	44.67	4	16.58	4	12.37	14
63	NK 6240 ©	-9.23	20	-7.87	39	57.32	4	-7.11	29	7.19	13	-5.55	26	7.65	41	-2.22	26	23.94	5

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	15.53	31	12.74	17	6.87	24	11.94	24	-10.69	19	4.7	13	0.23	15
2	AH 1625	21.18	21	0.89	41	9.54	21	6.83	40	-7.5	12	2.38	25	-1.88	22
3	AH 8087	-5.31	54	-6.92	53	-1.86	42	10.42	30	-12.59	24	-5.13	42	-5.53	35
4	AH 8323	22.72	16	-9.65	55	-0.78	40	22.61	10	-21.35	39	-3.15	38	-4.86	32
5	BH416112	11.22	35	-2.56	51	-2.54	46	-0.63	56	-2.4	5	-3.54	39	-9.21	44
6	BIO 534	22.1	18	0.84	43	-2.05	43	22.68	9	-25.51	46	1.93	27	-4.12	31
7	BIO 536	61.86	2	-9.28	54	26.28	3	9.91	33	-31.02	50	-2.95	37	-9.22	45
8	BLH135	-13.81	58	9.48	20	16.56	11	11.1	26	-25.22	45	6.33	10	0.09	16
9	BLH137	26.77	13	3.66	37	17.91	10	34.5	2	-10.54	18	11.44	4	6.03	5
10	BRMH-16039	-18.17	59	-4.42	52	-20.09	57	-0.83	57	-38.48	58	-21.54	56	-27.18	59
11	CMH14-716	25.74	14	6.5	26	5.84	25	9.75	34	-13.14	27	4.54	15	-2.27	24
12	CMH14-722	0.65	47	8.76	22	-7.37	49	-0.51	55	-16.18	30	-6.74	43	-13.5	51
13	CP808 SUPER	27.08	11	4.4	34	-17.44	55	6.63	41	-26.66	47	-9.15	48	-8.63	43
14	DH-315	-2.52	51	-17.17	60	-21.23	58	-4.18	59	-49.59	62	-24.07	60	-30.87	60
15	FAUJI	17.22	28	12.83	16	-4.05	47	29.11	3	-22.44	40	-1.65	36	-5.19	34
16	GK3124	21.53	20	24.59	1	-0.35	39	25.97	7	-19.25	36	1.73	28	-3.14	27
17	GK3164	17.85	27	13.06	15	-2.48	45	24.57	8	-5.87	9	3.9	17	-2.32	25
18	HKH-366	-2.09	50	-10.44	56	-11.32	53	-5.21	61	-37.63	57	-25.8	61	-26.04	57
19	HT18007	47.24	4	-0.97	48	1.28	35	-4.96	60	-34.24	54	-12.09	53	-14.15	52
20	IMHSB-17K-08	9.44	36	3.88	36	8.95	22	7.33	38	-29.04	48	-7.88	45	-12.02	50
21	IMHVS-005	23.98	15	5.04	32	5.02	29	4.61	45	-19.54	37	-0.95	35	-3.98	30
22	JH 15002	36.98	6	11.32	18	4.92	30	14.95	17	-15.28	29	5.05	12	-2.44	26
23	JH 16026	48.75	3	11.02	19	2.6	32	12.04	23	-23.15	43	0.98	29	-3.4	28
24	JH 16224	37.13	5	4.32	35	26.73	2	5.64	42	-12.91	25	8.33	8	6.18	4
25	JH 17014	-6.98	55	3.37	38	0.54	36	10.81	29	-35.27	55	-10.34	51	-6.5	38
26	JH 17026	19.18	25	13.21	14	11.85	18	13.98	19	-33.45	52	2.79	21	0.7	13
27	JH 17029	-19.04	61	-0.92	47	1.93	34	16.38	16	-18.96	35	-0.28	32	-0.87	21
28	JKMH1581	101.09	1	1.79	40	.	.	39.12	1	-11.71	23	.	.	.	.
29	KMH-005	2.51	45	-14.89	59	21.74	5	1.75	51	-4.02	7	4.67	14	4.13	8
30	KMH-1(CAH1612)	11.26	34	0.82	44	-7.67	50	2.38	50	-17.78	34	-8.04	46	-10.78	48
31	KNMH-4185	-8.31	56	-1.57	49	7.54	23	10.98	27	-10.87	20	-8.79	47	-8.08	42
32	KNMH-4187	4.46	42	-10.7	57	12.88	16	28.29	5	-8.99	15	2.16	26	-3.54	29
33	MAH-14-138	4.17	43	5.76	29	-10.9	52	2.73	49	-38.56	59	-14.15	54	-16.17	53
34	MAH-14-239	3.17	44	-17.55	61	-28.7	61	12.04	22	-23.45	44	-22.19	59	-27.07	58
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over BIO 9682 ©**

S. No.	Entry name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-21.95	62	-26.62	62	-13.94	54	11.94	25	-43.71	61	-22.11	58	-34.15	61
37	MM2033	20.88	22	13.29	13	16.15	13	-2.81	58	-11.08	22	3.53	20	-5.61	37
38	MM2828	26.84	12	6.24	28	12.17	17	10.22	31	2.86	2	0.25	30	-7.06	41
39	MM9207	0.4	48	19.68	6	-0.84	41	5.15	43	-30.46	49	-6.92	44	-5.11	33
40	OMH 17-2	12.31	33	23.33	2	5.22	27	17.03	15	-22.69	42	-0.72	33	-5.57	36
41	PHM1801 (CAH1801)	13.17	32	7.55	25	0.35	37	21.89	12	-13.99	28	-0.85	34	-6.9	40
42	PM18101L	36.44	7	23	3	13.83	15	22.55	11	-9.88	17	15.25	1	12.27	1
43	PM18102L	8.23	39	18.18	7	16.35	12	10.07	32	-9.14	16	3.83	19	0.27	14
44	PM18103L	8.94	37	17.93	8	15.72	14	10.86	28	-8.29	13	13.5	2	-0.56	19
45	PM18104L	6.93	40	5.14	31	32.31	1	17.43	14	2.98	1	13.39	3	5.88	6
46	PM18105L	0.73	46	16.89	9	5.12	28	28.94	4	1.16	3	3.85	18	4.02	9
47	PM18106L	27.56	10	21.46	4	19.97	7	26.61	6	-10.93	21	10.09	5	11.11	2
48	QMH 1590	-12.36	57	-12.31	58	-24.44	60	9.74	35	-36.29	56	-21.9	57	-24.99	56
49	QMH1571	15.89	30	4.74	33	-2.43	44	-10.9	62	-40.84	60	-18.42	55	-23.8	55
50	Rasi 4992	21.85	19	-2.2	50	10.73	19	12.08	21	-8.48	14	9.17	6	6.94	3
51	Rasi 70197	-4.89	53	9.14	21	-23.44	59	2.82	48	-31.92	51	-10	50	-11.4	49
52	STARX-5	33.72	9	8.03	23	-5.13	48	12.39	20	-16.31	31	-4.51	40	-9.64	46
53	SUPER-4050	35.53	8	5.59	30	19.62	9	9.5	36	-6.69	10	4.3	16	1.13	12
54	SYN816514	-18.79	60	20.37	5	25.18	4	8.59	37	-6.95	11	7.27	9	1.76	10
55	TS2505	18.23	26	16.87	10	-9.05	51	14.16	18	-13.09	26	-4.61	41	-6.58	39
56	TS2601	8.93	38	2.85	39	9.88	20	-0.12	54	-33.93	53	-9.6	49	-10.23	47
57	X5826	22.31	17	7.58	24	2.41	33	17.68	13	-5.19	8	2.61	23	-0.71	20
58	X5873	5.04	41	15.95	11	5.81	26	4.14	46	-20.72	38	5.28	11	-2.16	23
59	Filler (DHM-117)	-3.71	52	-0.09	46	-19.38	56	6.98	39	-22.67	41	-11.07	52	-18.38	54
60	BIO 9682 ©	0	49	0	45	0	38	0	53	0	4	0	31	0	17
61	CMH 08-282 ©	16.56	29	0.87	42	19.76	8	3.56	47	-17.29	32	2.5	24	1.26	11
62	CMH 08-287 ©	19.8	24	14.57	12	21.69	6	0.05	52	-17.76	33	8.83	7	4.79	7
63	NK 6240 ©	20.47	23	6.26	27	3.57	31	4.89	44	-2.69	6	2.78	22	-0.37	18

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-37.07	56	-4.26	13	-4.19	12	-11.87	30	-8.94	21	-14.79	36	35	16	-1.69	11	-27.87	49	-13.65	41	0.06	24
2	AH 1625	9.37	17	-19.37	32	-2.58	9	-0.99	13	-14.24	29	-6.46	19	43.19	12	-19.09	36	0.53	15	11.83	5	3.34	13
3	AH 8087	19.13	2	-28.06	40	-9.13	18	3.55	7	-13.31	25	-4.72	13	17.32	30	-23.69	45	13.88	2	-3.35	25	1.99	16
4	AH 8323	-1.85	33	-36.49	51	3.29	4	-31.03	57	22.67	4	-9.31	22	11.66	37	-10.2	26	-11.1	30	-20.3	56	-6.77	35
5	BH416112	0.35	30	-12.94	26	-17.26	34	-26.48	54	-26.86	42	-15.67	38	-29.58	61	-14.03	28	-40.59	54	-22.42	59	-24.62	54
6	BIO 534	2.6	27	-23.98	37	-20.34	39	-37.42	60	-19.56	35	-18.31	44	7.52	40	-28.8	50	-5.85	25	3.59	11	-9.9	41
7	BIO 536	-11.78	43	-19.49	33	-23.72	46	-8.49	26	-30.71	46	-18.33	45	2.72	46	-22.26	43	-52.18	60	21.38	2	-28.14	58
8	BLH135	-21.68	50	15.91	1	-22.16	42	-9.72	27	11.78	12	-6.41	18	28.77	21	-5.6	21	-31.88	51	134.07	1	-6.78	36
9	BLH137	9.83	16	-13.89	28	-3.74	11	-16.34	36	6	14	-3.26	10	28.62	22	4.02	4	-17.86	41	-10.35	35	3.85	12
10	BRMH-16039	-57.3	59	-35.73	50	-28.55	54	-24.11	51	-34.67	48	-38.02	58	-38.52	62	3.42	5	-68.03	61	-1.55	22	-34.95	61
11	CMH14-716	-6.89	39	-29.15	41	-11.32	23	-7.38	22	-13.41	26	-14.58	35	22.85	26	0.16	8	-17.75	40	1.96	16	1.4	17
12	CMH14-722	-33.44	54	-29.29	43	-19.09	36	-20.79	47	-23.81	40	-27.23	53	-0.04	50	-41.58	57	-6.92	26	-2.83	23	-17.43	48
13	CP808 SUPER	17.3	3	-7.87	18	-32.79	57	-6.01	21	-16.65	31	-6.84	20	-15.14	56	-31.81	54	-14.01	36	-0.19	20	-20.36	50
14	DH-315	-70.04	61	-44.46	58	-58.23	62	-0.88	12	-36.29	49	-43.8	61	-26.82	60	-25.82	47	-39.46	53	-19.48	55	-32.66	60
15	FAUJI	0.37	29	-5.95	16	-23.99	48	-20.78	46	-27.74	43	-13.58	34	50.51	7	-34.56	56	-0.98	18	-4.66	28	0.01	25
16	GK3124	-7.35	40	-15.13	29	-13.3	26	-14.94	34	-41.68	53	-17.77	43	54.02	5	-19.15	37	7.04	7	-17.64	53	10.23	6
17	GK3164	-8.85	41	1.64	3	-19.58	38	-11.9	31	-22.27	38	-11.47	30	28.5	23	-31.23	53	-8.07	28	-3.84	26	-7.45	38
18	HKH-366	-66.92	60	-40.47	55	-23.96	47	1	10	-43.19	55	-36.95	57	-13.68	55	-16.24	32	-47.94	59	-15.79	50	-30.51	59
19	HT18007	-12.04	44	-13.51	27	-14.68	27	-34.04	58	-24.98	41	-20.5	46	15.71	32	-15.11	30	-1.97	19	-17.46	51	-2.33	30
20	IMHSB-17K-08	-10.98	42	-33.14	47	-48.69	59	-9.97	29	-20.4	37	-23.69	52	13.2	34	-6.33	22	-11.17	31	-4.87	29	-2.68	31
21	IMHVS-005	4.18	25	-11.51	24	3.24	5	-13.19	32	-6.54	20	-4.73	14	2.38	47	-21.84	42	-0.19	17	-26.23	62	-7.33	37
22	JH 15002	9.93	15	-31.43	46	-17.18	33	-35.47	59	14.54	10	-10.82	27	28.98	20	-19.75	39	-25.12	47	-7.45	34	-6.77	34
23	JH 16026	-15.22	46	-37.4	53	-22	41	-25.35	53	13.51	11	-17.76	42	52.16	6	-3.86	16	-20.86	43	-20.7	57	1.37	19
24	JH 16224	6.16	22	-17.86	30	-22.42	43	-1.8	15	25.86	2	-1.49	7	45.19	11	-0.45	10	1.22	11	-6.55	30	10.88	5
25	JH 17014	9.33	18	-23.18	36	-9.89	22	-4.48	19	-12.63	24	-8.63	21	12.98	35	-12.62	27	5.12	8	-10.36	36	2.53	15
26	JH 17026	20.11	1	-33.17	48	-5.19	14	-17.29	41	15.54	8	-2.61	8	36.25	15	-20.93	40	-21.71	44	-7.41	33	-5.93	32
27	JH 17029	13.94	7	-36.79	52	5.83	3	-4.99	20	-2.52	17	-6.07	17	47.13	10	-3.78	15	-23.59	45	-4.21	27	3.31	14
28	JKMH1581	-33.95	55	-41.91	56	-24.32	49	-17.31	42	-57.85	60	-35.33	56	21.45	27	-16.1	31	-29.54	50	-10.59	37	-12.64	44
29	KMH-005	16.84	4	-8.15	20	-13.16	25	-19.51	44	-14.21	28	-4.96	15	41.72	13	6.21	2	0.9	12	5.12	8	14.75	3
30	KMH-1(CAH1612)	-14.47	45	-20.56	35	-6.75	15	1.56	9	-32.4	47	-14.88	37	18.83	29	-47.01	61	-11.36	32	6.92	7	-14.96	46
31	KNMH-4185	5.95	23	-2.82	11	-28.34	53	-8.29	25	-30.63	45	-12.54	32	49.94	8	-8.6	24	11.84	4	-42.52	63	9.89	7
32	KNMH-4187	-1.97	34	-34.96	49	-9.3	20	-1.73	14	-13.77	27	-12.11	31	16.77	31	-21.56	41	3.91	9	-14.99	49	-0.22	27
33	MAH-14-138	-48.39	57	-0.42	7	-23.36	45	-17.18	40	-10.77	22	-20.88	47	5.99	42	-41.88	58	-37.85	52	-23.02	60	-27.02	56
34	MAH-14-239	-50.4	58	-38.42	54	-38.6	58	-15.59	35	-52.97	59	-40.39	60	4.36	43	-50.19	62	-25.52	48	2.24	15	-26.77	55
35	MFH18-13	.	.	.	.	-88.45	63	-17.1	39	-84.51	63	.	.	.	.	.	.	.	.	7.37	6	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-73.37	62	-54.29	61	-54.73	61	-48.34	63	-67.54	62	-60.15	62	-24.33	59	-42.69	60	-86.83	62	-21.28	58	-55.39	62
37	MM2033	-25.08	52	-7.86	17	-24.33	50	-40.39	61	-11.87	23	-21.42	49	-19.86	58	-32.34	55	-2.82	21	-6.79	31	-15.93	47
38	MM2828	-19.92	47	1.57	4	-16.32	30	-24.26	52	-66.61	61	-23.67	51	-12.39	54	-19.64	38	-17.36	39	-13.9	43	-14.8	45
39	MM9207	7.55	21	-8.23	21	-3.46	10	-30.18	55	-23.72	39	-10.13	26	47.75	9	-17.78	33	-13.73	35	-14.64	46	1.38	18
40	OMH 17-2	12.26	10	-30.3	45	-26.31	51	-7.57	23	-18.41	33	-13.46	33	40.23	14	-23.23	44	-2.58	20	2.34	14	-0.61	28
41	PHM1801 (CAH1801)	-4.88	37	-1.64	9	-20.83	40	-21.55	48	-40.36	52	-17.09	40	14.99	33	-18.1	35	-41.1	55	-0.07	19	-17.55	49
42	PM18101L	11.55	14	-3.87	12	19.69	1	-14.66	33	21.4	5	6.64	3	70.99	1	1.94	7	-3.38	22	-7.18	32	21.7	1
43	PM18102L	3.8	26	-0.25	6	-9.18	19	-22.16	49	-20.37	36	-9.99	25	69.66	2	-4.42	18	-19.82	42	-14.54	45	6.11	10
44	PM18103L	-4.37	36	-27.14	39	-19.5	37	-9.82	28	8.14	13	-9.8	24	30.19	18	-5.49	20	2.48	10	-13.93	44	6.65	9
45	PM18104L	-6.03	38	-5.89	15	0.99	7	-3.9	16	4.84	15	-3.67	11	29.44	19	-4.95	19	-16.78	38	4.89	9	-0.68	29
46	PM18105L	9.01	19	-12.36	25	-23.24	44	-4.11	17	30.32	1	0.57	5	32.98	17	-14.18	29	-5.71	24	4.11	10	1.35	20
47	PM18106L	14.94	5	-2.62	10	1.29	6	40.43	1	15.82	6	12.79	1	58.55	4	2.08	6	0.71	13	17.15	3	14.61	4
48	QMH 1590	-33.22	53	-51.82	60	-29.56	56	-22.71	50	-52.86	58	-38.25	59	0.82	48	-42.5	59	-24.44	46	-14.85	48	-24.47	53
49	QMH1571	-20.02	48	-57.56	62	-29.52	55	-17.09	38	-47.11	57	-33.54	55	-0.44	52	-26.48	48	-42.78	56	-13.77	42	-27.28	57
50	Rasi 4992	14.9	6	4.89	2	9.87	2	5.48	4	23.24	3	11.4	2	24.46	25	-6.64	23	8.6	5	-10.75	39	7.64	8
51	Rasi 70197	4.97	24	-19.71	34	-9.72	21	-44.6	62	-47.09	56	-21.45	50	-4.81	53	-3.76	14	-12.17	33	-3.01	24	-8.26	39
52	STARX-5	-21	49	-25.01	38	-4.73	13	4.63	5	-39.39	51	-17.6	41	21.39	28	-18.04	34	-46.22	58	-10.72	38	-21.36	51
53	SUPER-4050	11.62	13	-7.88	19	-18.82	35	-4.45	18	-2.9	18	-5.25	16	11.27	38	-9.95	25	12.28	3	-18.14	54	1.25	21
54	SYN816514	-3.37	35	-10.29	22	-7.31	16	14.1	2	-39.28	50	-11.42	28	10.02	39	4.63	3	-9.25	29	0.71	17	0.81	22
55	TS2505	12.08	12	-29.3	44	-16.46	31	-16.93	37	-42.72	54	-16.85	39	3.55	44	-25.02	46	-13	34	3.11	13	-11.12	42
56	TS2601	0.85	28	-46.62	59	-28.2	52	-8.05	24	-29.04	44	-21.22	48	27	24	-3.53	13	-16.27	37	-25.41	61	0.13	23
57	X5826	13.1	8	-10.89	23	-15.07	28	-18.94	43	15.59	7	-3.07	9	2.88	45	-29.59	51	8.41	6	-17.57	52	-6.71	33
58	X5873	8.19	20	-18.3	31	-12.03	24	-30.53	56	-16.41	30	-11.44	29	7.16	41	-26.59	49	-7.01	27	-1.14	21	-11.73	43
59	Filler (DHM-117)	-24.34	51	-44.37	57	-53.23	60	3.91	6	-19.17	34	-27.43	54	-18.28	57	-3.86	17	-45.88	57	-13.14	40	-23.33	52
60	BIO 9682 ©	13.06	9	-1.14	8	-8.28	17	-19.96	45	14.57	9	0.58	4	-0.43	51	-3.35	12	21.83	1	-14.82	47	4.34	11
61	CMH 08-282 ©	0	31	0	5	0	8	0	11	0	16	0	6	0	49	0	9	0	16	0	18	0	26
62	CMH 08-287 ©	-0.78	32	-29.2	42	-16.77	32	13.43	3	-6	19	-9.67	23	60.41	3	9.57	1	0.7	14	16.43	4	19.9	2
63	NK 6240 ©	12.14	11	-5.53	14	-16.06	29	2.54	8	-17.1	32	-4.25	12	12.24	36	-30.5	52	-4.19	23	3.39	12	-8.56	40

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-2.82	54	8.25	24	34.62	2	-5.88	16	8.36	3	1.04	18	8.75	9	-8.03	35	10.27	18
2	AH 1625	31.7	13	-4.4	51	4.34	30	-27.51	61	-9.39	45	-0.47	23	-6.53	26	3.88	19	8.32	22
3	AH 8087	-17.21	59	12.48	16	-29.57	55	-18.19	42	-13.72	52	-10.07	45	-11.34	34	-20.64	53	8.32	23
4	AH 8323	29.1	17	19.17	8	-3.04	40	-14.33	32	-2.61	29	-6.77	37	3.05	15	-8	34	6.81	25
5	BH416112	11.28	39	20.59	6	8.56	20	-20.84	52	-5.58	38	-27.7	62	-14.35	39	10.95	11	16.33	15
6	BIO 534	1.11	49	17.66	11	18.64	9	-16.47	39	3.53	12	4.14	14	-6.11	25	26.46	1	2.34	34
7	BIO 536	-12.86	57	3.02	38	-2.51	39	1.58	4	-1.09	24	-11.28	46	7.7	12	-15.82	47	0.66	36
8	BLH135	11.43	37	4.61	32	12.85	16	-14.48	33	-2.89	30	-1.47	27	8.3	10	3.65	20	39.34	2
9	BLH137	38.16	10	19.67	7	15.48	14	-2.91	9	4.37	7	6.2	9	9.47	7	22.14	3	8.65	20
10	BRMH-16039	22.21	23	3.39	36	-53.76	62	-15.77	36	-22.81	59	-25.91	60	-42.81	62	-24.99	54	-11.93	52
11	CMH14-716	49.6	6	6.98	27	-12.15	46	-7.39	18	-5.87	39	12.39	1	-12.5	36	16.9	7	10.92	16
12	CMH14-722	-0.14	51	2.21	40	-33.57	57	-0.26	7	-10.72	48	-16.87	56	-12.02	35	-12.91	43	0.21	37
13	CP808 SUPER	7.68	44	1.77	42	-0.11	36	-4.21	12	-2.03	27	-11.76	48	-24.59	50	-0.09	29	-1.09	40
14	DH-315	-30.38	63	3.27	37	-61.45	63	-31.84	62	-30.52	62	-23.73	58	-38.71	60	-9.76	39	-22.52	59
15	FAUJI	20.53	24	-14.52	61	20.86	8	-20.81	51	-7.08	41	0.39	21	-36.59	58	14.39	8	16.73	13
16	GK3124	52.99	4	-5.1	53	9.8	19	-17.47	41	-5.36	37	-6.64	35	-5.43	23	0.7	27	3.23	32
17	GK3164	9.55	41	-11.54	58	6.15	27	-4.18	11	-3.28	32	0.65	20	-16.77	43	6.3	14	6.87	24
18	HKH-366	19.14	27	21.28	5	-17.35	48	-24.16	58	-10.14	47	-23.89	59	-41.2	61	-42.28	60	-28.65	61
19	HT18007	43.28	8	-13.68	60	-22.78	51	-20.15	50	-20.18	56	-7.92	39	-20.82	48	-29.78	59	-8.4	49
20	IMHSB-17K-08	67.4	1	3.84	35	-14.28	47	-23.42	55	-14.46	53	-12.11	50	-19.63	46	-18.2	51	4.36	29
21	IMHVS-005	6.55	45	-4.32	50	-0.31	37	-19.15	45	-7.24	42	11.76	3	-11.21	33	-16.09	48	9.65	19
22	JH 15002	28.72	18	3.96	34	6.79	26	-23.96	56	-6.59	40	-0.53	24	-0.84	18	10.83	12	21.07	10
23	JH 16026	18.66	28	-4.64	52	12.64	17	-9.33	24	0.9	18	1.08	17	-2.14	20	-9.66	38	8.52	21
24	JH 16224	-6.09	55	5.92	30	42.36	1	-15.88	37	6.23	5	-7.23	38	10.56	5	5.03	15	35	4
25	JH 17014	50.72	5	11.59	17	17.86	11	-15.27	35	-1.11	25	-12.04	49	-14.34	38	-14.89	45	-17.27	55
26	JH 17026	28.02	19	22.28	4	7.12	24	-7.53	19	3.54	11	-2.07	30	1.49	16	2.67	24	22.97	9
27	JH 17029	15.46	32	-2.84	48	21.03	7	-8.21	21	2.3	14	1.03	19	-2.87	21	-0.96	30	5.8	27
28	JKMH1581	17.66	30	18.71	9	-20.01	49	-22.39	54	-10.99	49	-9.66	44	10.55	6	2.02	25	-0.78	39
29	KMH-005	-13.54	58	13.05	15	16.9	13	0.19	5	5.95	6	11.86	2	3.53	13	3.96	18	6.17	26
30	KMH-1(CAH1612)	30.05	15	-2.41	47	-8.81	42	-12.82	30	-9.89	46	-13.29	52	-25.45	51	4.84	16	-3.89	42
31	KNMH-4185	-9.17	56	-15.28	62	-8.91	44	-20.01	48	-13.14	51	-8.74	41	-26.25	52	-29.33	58	-18.13	57
32	KNMH-4187	60.62	2	-9.5	57	7.09	25	-20.02	49	-8.86	44	-8.12	40	-5.67	24	3.32	22	23.67	7
33	MAH-14-138	16.19	31	-5.4	54	8.14	22	-18.5	43	-7.88	43	-13.03	51	-28.69	55	-19.18	52	-3.98	43
34	MAH-14-239	29.18	16	-9.15	56	-48.16	60	-13.19	31	-23.21	60	-15.15	55	-36.05	57	-43.28	61	-30.37	62
35	MFH18-13	4.9	46	.	.	-27.92	54	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	33.76	12	1.91	41	-24.58	52	-19.59	46	-16.8	55	-26.47	61	-38.2	59	-14.28	44	-5.37	45
37	MM2033	20.18	26	6.41	28	1.93	34	-6.66	17	-0.78	23	5.03	12	8.77	8	-18.03	50	2.73	33
38	MM2828	12.36	36	14.68	13	10.78	18	-8.99	23	0.66	19	3.38	15	-10.75	32	-28.67	57	-5.51	46
39	MM9207	-0.68	52	7.93	25	2.52	31	-2.2	8	0.44	20	-11.31	47	-29.59	56	-6.8	33	3.76	30
40	OMH 17-2	-25.85	62	11.07	19	-27.77	53	-14.69	34	-11.42	50	-4.89	33	-1.14	19	-15.79	46	-12.53	53
41	PHM1801 (CAH1801)	-23.76	61	10.39	21	4.61	29	-10.48	26	-1.66	26	-9.29	42	-6.93	27	2.73	23	-8.19	48
42	PM18101L	18.66	29	23.8	3	13.7	15	-4.23	13	4.17	8	8.51	4	18.56	3	12.69	9	35.57	3
43	PM18102L	10.57	40	-0.87	45	4.85	28	-8.01	20	1.56	16	-2.06	29	-4.59	22	-12.11	42	5.26	28
44	PM18103L	25.72	21	-11.84	59	-53	61	-26.57	60	-28.84	61	7.67	6	21.81	2	9.02	13	27.92	6
45	PM18104L	47.4	7	24.48	2	-1.78	38	-3.62	10	3.57	10	-4.16	31	23.3	1	4.24	17	23.66	8
46	PM18105L	13.19	34	6.3	29	17.88	10	9.77	1	9.2	1	-1.48	28	-8.08	28	-8.85	36	-17.43	56
47	PM18106L	33.78	11	7.45	26	17.55	12	4.43	2	8.93	2	7.04	7	3.27	14	11.04	10	10.29	17
48	QMH 1590	2.15	48	17.85	10	-32.69	56	-25.83	59	-15.79	54	-21.08	57	-28.1	53	-27.32	55	-23.13	60
49	QMH1571	57.4	3	-4.11	49	-43.01	59	-24.08	57	-21.97	57	-14.01	53	-28.19	54	-47.92	62	-11.66	51
50	Rasi 4992	4.61	47	-1.02	46	2.49	33	-11.92	28	-5.22	36	7.69	5	-9.14	29	25.01	2	51.51	1
51	Rasi 70197	12.51	35	9.87	22	-10.02	45	-10.03	25	-3.91	33	-5.52	34	-14.35	40	-1.18	31	-20.02	58
52	STARX-5	20.5	25	4.29	33	-4.42	41	-17.13	40	-3.17	31	-9.42	43	-19.72	47	-9.57	37	-1.67	41
53	SUPER-4050	11.31	38	24.67	1	-8.82	43	-8.45	22	1.51	17	1.75	16	-10.5	31	17.41	6	-6	47
54	SYN816514	-0.9	53	13.46	14	24.73	3	-10.68	27	6.25	4	6.19	10	7.89	11	-5.44	32	-13.1	54
55	TS2505	8.66	43	15.72	12	7.26	23	2.32	3	3.82	9	-0.64	25	-18.69	45	-17.31	49	-11.22	50
56	TS2601	9.27	42	5.48	31	2.49	32	-16.1	38	-5.09	35	-6.69	36	-16.63	42	-27.4	56	-4.16	44
57	X5826	30.64	14	10.64	20	8.31	21	-19.86	47	-0.66	22	5.67	11	-13.74	37	-11.6	40	20.47	11
58	X5873	13.22	33	-5.9	55	22.73	6	-19.12	44	-2.57	28	6.41	8	-10.15	30	17.97	5	18.1	12
59	Filler (DHM-117)	-18.66	60	8.73	23	-41.64	58	-22.18	53	-22.64	58	-14.76	54	-16.82	44	-11.9	41	0.84	35
60	BIO 9682 ©	39.75	9	11.3	18	-21.06	50	-5.87	15	-4.08	34	4.8	13	-21.37	49	3.57	21	3.75	31
61	CMH 08-282 ©	0	50	0	43	0	35	0	6	0	21	0	22	0	17	0	28	0	38
62	CMH 08-287 ©	24.08	22	-0.21	44	22.85	5	-5.06	14	1.71	15	-4.82	32	13.76	4	20.74	4	16.58	14
63	NK 6240 ©	26.85	20	2.55	39	24.19	4	-12.57	29	2.82	13	-1.01	26	-15.35	41	1.27	26	28.59	5

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-0.88	31	11.77	17	-10.77	24	8.1	24	7.98	19	2.14	13	-1.02	15
2	AH 1625	3.96	21	0.02	41	-8.54	21	3.16	40	11.84	12	-0.12	25	-3.1	22
3	AH 8087	-18.76	54	-7.72	53	-18.05	42	6.63	30	5.68	24	-7.45	42	-6.71	35
4	AH 8323	5.28	16	-10.43	55	-17.15	40	18.39	10	-4.91	39	-5.52	38	-6.05	32
5	BH416112	-4.58	35	-3.4	51	-18.62	46	-4.05	56	18.01	5	-5.9	39	-10.34	44
6	BIO 534	4.76	18	-0.03	43	-18.21	43	18.46	9	-9.93	46	-0.56	27	-5.31	31
7	BIO 536	38.87	2	-10.06	54	5.44	3	6.14	33	-16.6	50	-5.32	37	-10.35	45
8	BLH135	-26.06	58	8.54	20	-2.67	11	7.28	26	-9.58	45	3.74	10	-1.16	16
9	BLH137	8.76	13	2.77	37	-1.54	10	29.88	2	8.16	18	8.72	4	4.71	5
10	BRMH-16039	-29.79	59	-5.24	52	-33.27	57	-4.24	57	-25.62	58	-23.46	56	-28.08	59
11	CMH14-716	7.87	14	5.59	26	-11.62	25	5.98	34	5.02	27	1.99	15	-3.48	24
12	CMH14-722	-13.65	47	7.82	22	-22.66	49	-3.93	55	1.34	30	-9.02	43	-14.58	51
13	CP808 SUPER	9.02	11	3.51	34	-31.06	55	2.96	41	-11.32	47	-11.37	48	-9.77	43
14	DH-315	-16.37	51	-17.88	60	-34.23	58	-7.47	59	-39.05	62	-25.92	60	-31.73	60
15	FAUJI	0.57	28	11.86	16	-19.88	47	24.67	3	-6.22	40	-4.05	36	-6.37	34
16	GK3124	4.27	20	23.52	1	-16.79	39	21.64	7	-2.36	36	-0.76	28	-4.35	27
17	GK3164	1.11	27	12.09	15	-18.57	45	20.29	8	13.81	9	1.36	17	-3.53	25
18	HKH-366	-16	50	-11.21	56	-25.95	53	-8.47	61	-24.59	57	-27.62	61	-26.96	57
19	HT18007	26.32	4	-1.82	48	-15.43	35	-8.23	60	-20.49	54	-14.23	53	-15.21	52
20	IMHSB-17K-08	-6.11	36	2.99	36	-9.03	22	3.65	38	-14.21	48	-10.13	45	-13.11	50
21	IMHVS-005	6.37	15	4.14	32	-12.31	29	1.01	45	-2.72	37	-3.37	35	-5.18	30
22	JH 15002	17.52	6	10.36	18	-12.39	30	11	17	2.43	29	2.49	12	-3.65	26
23	JH 16026	27.62	3	10.06	19	-14.33	32	8.19	23	-7.08	43	-1.49	29	-4.6	28
24	JH 16224	17.64	5	3.42	35	5.82	2	2.01	42	5.29	25	5.68	8	4.86	4
25	JH 17014	-20.2	55	2.49	38	-16.05	36	7	29	-21.74	55	-12.53	51	-7.66	38
26	JH 17026	2.25	25	12.24	14	-6.6	18	10.06	19	-19.53	52	0.28	21	-0.55	13
27	JH 17029	-30.54	61	-1.77	47	-14.88	34	12.38	16	-2.01	35	-2.72	32	-2.1	21
28	JKMH1581	72.52	1	0.91	40	.	.	34.34	1	6.75	23	.	.	.	.
29	KMH-005	-12.05	45	-15.62	59	1.65	5	-1.75	51	16.05	7	2.11	14	2.84	8
30	KMH-1(CAH1612)	-4.55	34	-0.04	44	-22.91	50	-1.13	50	-0.58	34	-10.28	46	-11.89	48
31	KNMH-4185	-21.34	56	-2.42	49	-10.2	23	7.17	27	7.77	20	-11.02	47	-9.22	42
32	KNMH-4187	-10.38	42	-11.47	57	-5.75	16	23.88	5	10.04	15	-0.34	26	-4.74	29
33	MAH-14-138	-10.63	43	4.85	29	-25.6	52	-0.8	49	-25.72	59	-16.24	54	-17.22	53
34	MAH-14-239	-11.49	44	-18.26	61	-40.47	61	8.19	22	-7.44	44	-24.09	59	-27.98	58
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-282 ©**

S. No.	Entry name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-33.04	62	-27.25	62	-28.14	54	8.1	25	-31.94	61	-24.02	58	-34.97	61
37	MM2033	3.7	22	12.32	13	-3.02	13	-6.15	58	7.52	22	1.01	20	-6.78	37
38	MM2828	8.82	12	5.32	28	-6.34	17	6.43	31	24.37	2	-2.19	30	-8.21	41
39	MM9207	-13.86	48	18.65	6	-17.2	41	1.53	43	-15.92	49	-9.19	44	-6.29	33
40	OMH 17-2	-3.65	33	22.27	2	-12.14	27	13.01	15	-6.53	42	-3.14	33	-6.75	36
41	PHM1801 (CAH1801)	-2.91	32	6.63	25	-16.21	37	17.7	12	3.99	28	-3.27	34	-8.06	40
42	PM18101L	17.06	7	21.94	3	-4.95	15	18.34	11	8.96	17	12.43	1	10.88	1
43	PM18102L	-7.14	39	17.17	7	-2.85	12	6.29	32	9.85	16	1.29	19	-0.98	14
44	PM18103L	-6.54	37	16.92	8	-3.37	14	7.05	28	10.89	13	10.73	2	-1.8	19
45	PM18104L	-8.26	40	4.23	31	10.48	1	13.39	14	24.51	1	10.62	3	4.57	6
46	PM18105L	-13.58	46	15.88	9	-12.23	28	24.51	4	22.32	3	1.31	18	2.73	9
47	PM18106L	9.44	10	20.41	4	0.18	7	22.26	6	7.7	21	7.41	5	9.73	2
48	QMH 1590	-24.81	57	-13.06	58	-36.9	60	5.97	35	-22.97	56	-23.8	57	-25.92	56
49	QMH1571	-0.58	30	3.84	33	-18.53	44	-13.97	62	-28.48	60	-20.42	55	-24.74	55
50	Rasi 4992	4.54	19	-3.04	50	-7.54	19	8.23	21	10.66	14	6.5	6	5.61	3
51	Rasi 70197	-18.4	53	8.21	21	-36.07	59	-0.71	48	-17.68	51	-12.2	50	-12.51	49
52	STARX-5	14.72	9	7.1	23	-20.78	48	8.53	20	1.2	31	-6.85	40	-10.77	46
53	SUPER-4050	16.28	8	4.68	30	-0.11	9	5.74	36	12.82	10	1.75	16	-0.12	12
54	SYN816514	-30.33	60	19.34	5	4.52	4	4.85	37	12.51	11	4.65	9	0.49	10
55	TS2505	1.43	26	15.87	10	-24.06	51	10.23	18	5.09	26	-6.94	41	-7.74	39
56	TS2601	-6.55	38	1.96	39	-8.25	20	-3.55	54	-20.11	53	-11.81	49	-11.34	47
57	X5826	4.93	17	6.65	24	-14.49	33	13.64	13	14.63	8	0.11	23	-1.95	20
58	X5873	-9.88	41	14.96	11	-11.65	26	0.56	46	-4.14	38	2.71	11	-3.38	23
59	Filler (DHM-117)	-17.39	52	-0.95	46	-32.68	56	3.3	39	-6.5	41	-13.24	52	-19.39	54
60	BIO 9682 ©	-14.21	49	-0.86	45	-16.5	38	-3.44	53	20.91	4	-2.44	31	-1.24	17
61	CMH 08-282 ©	0	29	0	42	0	8	0	47	0	32	0	24	0	11
62	CMH 08-287 ©	2.78	24	13.58	12	1.61	6	-3.39	52	-0.56	33	6.17	7	3.48	7
63	NK 6240 ©	3.36	23	5.35	27	-13.52	31	1.29	44	17.66	6	0.27	22	-1.61	18

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-36.58	56	35.23	13	15.12	12	-22.3	30	-3.13	21	-5.67	36	-15.84	16	-10.28	11	-28.37	49	-25.83	41	-16.55	24
2	AH 1625	10.22	17	13.89	32	17.05	9	-12.72	13	-8.77	29	3.55	19	-10.73	12	-26.16	36	-0.17	15	-3.95	5	-13.82	13
3	AH 8087	20.06	2	1.61	40	9.18	18	-8.72	7	-7.78	25	5.48	13	-26.86	30	-30.36	45	13.09	2	-16.98	25	-14.94	16
4	AH 8323	-1.09	33	-10.3	51	24.1	4	-39.2	57	30.5	4	0.4	22	-30.39	37	-18.05	26	-11.72	30	-31.55	56	-22.25	35
5	BH416112	1.13	30	22.97	26	-0.58	34	-35.19	54	-22.18	42	-6.64	38	-56.1	61	-21.54	28	-41	54	-33.37	59	-37.14	54
6	BIO 534	3.41	27	7.37	37	-4.29	39	-44.83	60	-14.42	35	-9.57	44	-32.97	40	-35.02	50	-6.5	25	-11.03	11	-24.86	41
7	BIO 536	-11.09	43	13.72	33	-8.34	46	-19.33	26	-26.28	46	-9.59	45	-35.96	46	-29.05	43	-52.52	60	4.25	2	-40.07	58
8	BLH135	-21.06	50	63.71	1	-6.48	42	-20.41	27	18.93	12	3.61	18	-19.73	21	-13.85	21	-32.35	51	101.04	1	-22.25	36
9	BLH137	10.69	16	21.62	28	15.66	11	-26.25	36	12.77	14	7.1	10	-19.82	22	-5.07	4	-18.42	41	-23	35	-13.39	12
10	BRMH-16039	-56.96	59	-9.22	50	-14.15	54	-33.1	51	-30.49	48	-31.39	58	-61.67	62	-5.61	5	-68.25	61	-15.44	22	-45.75	61
11	CMH14-716	-6.16	39	0.07	41	6.55	23	-18.35	22	-7.88	26	-5.44	35	-23.41	26	-8.59	8	-18.32	40	-12.43	16	-15.43	17
12	CMH14-722	-32.92	54	-0.13	43	-2.78	36	-30.17	47	-18.94	40	-19.44	53	-37.68	50	-46.69	57	-7.57	26	-16.54	23	-31.14	48
13	CP808 SUPER	18.22	3	30.12	18	-19.24	57	-17.14	21	-11.33	31	3.13	20	-47.09	56	-37.77	54	-14.6	36	-14.27	20	-33.58	50
14	DH-315	-69.8	61	-21.55	58	-49.81	62	-12.62	12	-32.23	49	-37.78	61	-54.38	60	-32.3	47	-39.88	53	-30.84	55	-43.84	60
15	FAUJI	1.16	29	32.84	16	-8.67	48	-30.17	46	-23.12	43	-4.33	34	-6.17	7	-40.28	56	-1.66	18	-18.12	28	-16.59	25
16	GK3124	-6.62	40	19.87	29	4.18	26	-25.01	34	-37.95	53	-8.96	43	-3.98	5	-26.21	37	6.3	7	-29.26	53	-8.06	6
17	GK3164	-8.14	41	43.55	3	-3.37	38	-22.33	31	-17.31	38	-1.99	30	-19.89	23	-37.23	53	-8.7	28	-17.41	26	-22.81	38
18	HKH-366	-66.66	60	-15.92	55	-8.64	47	-10.96	10	-39.56	55	-30.2	57	-46.19	55	-23.56	32	-48.3	59	-27.67	50	-42.05	59
19	HT18007	-11.35	44	22.16	27	2.52	27	-41.85	58	-20.19	41	-11.99	46	-27.87	32	-22.52	30	-2.64	19	-29.11	51	-18.54	30
20	IMHSB-17K-08	-10.28	42	-5.57	47	-38.35	59	-20.63	29	-15.32	37	-15.52	52	-29.43	34	-14.51	22	-11.79	31	-18.3	29	-18.84	31
21	IMHVS-005	5	25	24.98	24	24.04	5	-23.47	32	-0.58	20	5.47	14	-36.18	47	-28.66	42	-0.88	17	-36.64	62	-22.71	37
22	JH 15002	10.79	15	-3.15	46	-0.49	33	-43.11	59	21.85	10	-1.27	27	-19.59	20	-26.76	39	-25.64	47	-20.51	34	-22.25	34
23	JH 16026	-14.56	46	-11.59	53	-6.27	41	-34.19	53	20.76	11	-8.96	42	-5.14	6	-12.25	16	-21.41	43	-31.89	57	-15.46	19
24	JH 16224	6.99	22	16.01	30	-6.79	43	-13.43	15	33.9	2	9.06	7	-9.49	11	-9.14	10	0.52	11	-19.74	30	-7.53	5
25	JH 17014	10.18	18	8.51	36	8.27	22	-15.79	19	-7.05	24	1.16	21	-29.57	35	-20.25	27	4.39	8	-23.01	36	-14.49	15
26	JH 17026	21.05	1	-5.61	48	13.92	14	-27.08	41	22.93	8	7.82	8	-15.06	15	-27.83	40	-22.25	44	-20.48	33	-21.55	32
27	JH 17029	14.83	7	-10.72	52	27.16	3	-16.24	20	3.7	17	3.99	17	-8.28	10	-12.19	15	-24.12	45	-17.73	27	-13.84	14
28	JKMH1581	-33.44	55	-17.95	56	-9.07	49	-27.1	42	-55.15	60	-28.41	56	-24.29	27	-23.43	31	-30.03	50	-23.21	37	-27.14	44
29	KMH-005	17.75	4	29.73	20	4.35	25	-29.04	44	-8.73	28	5.21	15	-11.65	13	-3.07	2	0.21	12	-9.72	8	-4.3	3
30	KMH-1(CAH1612)	-13.8	45	12.2	35	12.05	15	-10.47	9	-28.08	47	-5.76	37	-25.92	29	-51.64	61	-11.97	32	-8.16	7	-29.08	46
31	KNMH-4185	6.78	23	37.26	11	-13.9	53	-19.15	25	-26.2	45	-3.18	32	-6.52	8	-16.58	24	11.06	4	-50.63	63	-8.35	7
32	KNMH-4187	-1.2	34	-8.13	49	8.98	20	-13.36	14	-8.27	27	-2.7	31	-27.2	31	-28.41	41	3.2	9	-26.99	49	-16.78	27
33	MAH-14-138	-47.98	57	40.64	7	-7.92	45	-26.98	40	-5.07	22	-12.42	47	-33.93	42	-46.95	58	-38.28	52	-33.88	60	-39.13	56
34	MAH-14-239	-50.01	58	-13.02	54	-26.22	58	-25.58	35	-49.96	59	-34	60	-34.94	43	-54.54	62	-26.03	48	-12.19	15	-38.92	55
35	MFH18-13	.	.	.	.	-86.12	63	-26.92	39	-83.52	63	.	.	.	.	.	.	.	.	-7.78	6	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	CWZ												NEPZ						NEPZ			
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-73.17	62	-35.43	61	-45.6	61	-54.46	63	-65.46	62	-55.89	62	-52.82	59	-47.7	60	-86.92	62	-32.39	58	-62.79	62
37	MM2033	-24.5	52	30.13	17	-9.08	50	-47.45	61	-6.24	23	-13.01	49	-50.04	58	-38.25	55	-3.5	21	-19.94	31	-29.89	47
38	MM2828	-19.3	47	43.46	4	0.55	30	-33.23	52	-64.47	61	-15.5	51	-45.38	54	-26.66	38	-17.94	39	-26.05	43	-28.94	45
39	MM9207	8.39	21	29.62	21	15.99	10	-38.45	55	-18.85	39	-0.51	26	-7.89	9	-24.96	33	-14.33	35	-26.69	46	-15.44	18
40	OMH 17-2	13.14	10	-1.55	45	-11.46	51	-18.52	23	-13.2	33	-4.2	33	-12.58	14	-29.93	44	-3.26	20	-12.1	14	-17.11	28
41	PHM1801 (CAH1801)	-4.14	37	38.93	9	-4.87	40	-30.84	48	-36.56	52	-8.22	40	-28.31	33	-25.25	35	-41.51	55	-14.17	19	-31.24	49
42	PM18101L	12.42	14	35.77	12	43.82	1	-24.77	33	29.16	5	18.06	3	6.6	1	-6.97	7	-4.05	22	-20.28	32	1.5	1
43	PM18102L	4.61	26	40.9	6	9.13	19	-31.38	49	-15.28	36	-0.36	25	5.77	2	-12.77	18	-20.37	42	-26.6	45	-11.5	10
44	PM18103L	-3.62	36	2.91	39	-3.28	37	-20.5	28	15.04	13	-0.15	24	-18.84	18	-13.75	20	1.77	10	-26.07	44	-11.05	9
45	PM18104L	-5.3	38	32.93	15	21.34	7	-15.28	16	11.54	15	6.64	11	-19.3	19	-13.25	19	-17.36	38	-9.91	9	-17.17	29
46	PM18105L	9.87	19	23.78	25	-7.77	44	-15.47	17	38.65	1	11.34	5	-17.1	17	-21.67	29	-6.36	24	-10.58	10	-15.47	20
47	PM18106L	15.84	5	37.55	10	21.71	6	23.8	1	23.21	6	24.87	1	-1.15	4	-6.83	6	0.01	13	0.62	3	-4.41	4
48	QMH 1590	-32.7	53	-31.95	60	-15.36	56	-31.87	50	-49.84	58	-31.64	59	-37.14	48	-47.52	59	-24.96	46	-26.87	48	-37	53
49	QMH1571	-19.39	48	-40.06	62	-15.32	55	-26.91	38	-43.74	57	-26.43	55	-37.93	52	-32.91	48	-43.17	56	-25.94	42	-39.35	57
50	Rasi 4992	15.8	6	48.16	2	32.01	2	-7.01	4	31.12	3	23.33	2	-22.41	25	-14.79	23	7.85	5	-23.34	39	-10.23	8
51	Rasi 70197	5.8	24	13.41	34	8.47	21	-51.16	62	-43.71	56	-13.05	50	-40.66	53	-12.17	14	-12.78	33	-16.7	24	-23.49	39
52	STARX-5	-20.38	49	5.92	38	14.47	13	-7.76	5	-35.52	51	-8.78	41	-24.33	28	-25.2	34	-46.59	58	-23.32	38	-34.41	51
53	SUPER-4050	12.5	13	30.11	19	-2.46	35	-15.77	18	3.3	18	4.89	16	-30.63	38	-17.82	25	11.51	3	-29.69	54	-15.56	21
54	SYN816514	-2.61	35	26.71	22	11.37	16	0.59	2	-35.4	50	-1.94	28	-31.41	39	-4.51	3	-9.88	29	-13.5	17	-15.92	22
55	TS2505	12.96	12	-0.14	44	0.38	31	-26.76	37	-39.06	54	-7.95	39	-35.44	44	-31.57	46	-13.6	34	-11.44	13	-25.87	42
56	TS2601	1.64	28	-24.6	59	-13.73	52	-18.94	24	-24.5	44	-12.79	48	-20.82	24	-11.96	13	-16.85	37	-35.94	61	-16.49	23
57	X5826	13.99	8	25.85	23	2.05	28	-28.54	43	22.98	7	7.3	9	-35.86	45	-35.74	51	7.66	6	-29.2	52	-22.19	33
58	X5873	9.04	20	15.4	31	5.7	24	-38.75	56	-11.07	30	-1.96	29	-33.19	41	-33	49	-7.66	27	-15.09	21	-26.39	43
59	Filler (DHM-117)	-23.75	51	-21.42	57	-43.8	60	-8.39	6	-14.01	34	-19.66	54	-49.05	57	-12.26	17	-46.25	57	-25.4	40	-36.06	52
60	BIO 9682 ©	13.95	9	39.63	8	10.21	17	-29.44	45	21.89	9	11.34	4	-37.93	51	-11.79	12	20.99	1	-26.84	47	-12.98	11
61	CMH 08-282 ©	0.78	31	41.24	5	20.15	8	-11.84	11	6.39	16	10.7	6	-37.66	49	-8.73	9	-0.69	16	-14.11	18	-16.6	26
62	CMH 08-287 ©	0	32	0	42	0	32	0	3	0	19	0	23	0	3	0	1	0	14	0	4	0	2
63	NK 6240 ©	13.02	11	33.42	14	0.86	29	-9.6	8	-11.8	32	6	12	-30.03	36	-36.57	52	-4.86	23	-11.2	12	-23.74	40

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-21.68	54	8.48	24	9.59	2	-0.86	16	6.53	3	6.15	18	-4.4	9	-23.83	35	-5.41	18
2	AH 1625	6.13	13	-4.2	51	-15.07	30	-23.64	61	-10.91	45	4.57	23	-17.84	26	-13.97	19	-7.09	22
3	AH 8087	-33.28	59	12.72	16	-42.67	55	-13.82	42	-15.18	52	-5.52	45	-22.06	34	-34.27	53	-7.09	23
4	AH 8323	4.05	17	19.42	8	-21.07	40	-9.76	32	-4.25	29	-2.05	37	-9.42	15	-23.8	34	-8.39	25
5	BH416112	-10.32	39	20.84	6	-11.63	20	-16.61	52	-7.17	38	-24.04	62	-24.71	39	-8.11	11	-0.22	15
6	BIO 534	-18.52	49	17.9	11	-3.43	9	-12.01	39	1.79	12	9.41	14	-17.47	25	4.73	1	-12.22	34
7	BIO 536	-29.77	57	3.23	38	-20.64	39	6.99	4	-2.76	24	-6.79	46	-5.33	12	-30.28	47	-13.66	36
8	BLH135	-10.2	37	4.83	32	-8.14	16	-9.92	33	-4.52	30	3.51	27	-4.8	10	-14.15	20	19.52	2
9	BLH137	11.34	10	19.92	7	-6	14	2.27	9	2.61	7	11.57	9	-3.77	7	1.16	3	-6.8	20
10	BRMH-16039	-1.51	23	3.61	36	-62.36	62	-11.27	36	-24.11	59	-22.16	60	-49.73	62	-37.88	54	-24.46	52
11	CMH14-716	20.57	6	7.2	27	-28.49	46	-2.45	18	-7.45	39	18.08	1	-23.08	36	-3.18	7	-4.86	16
12	CMH14-722	-19.52	51	2.42	40	-45.92	57	5.06	7	-12.23	48	-12.66	56	-22.66	35	-27.87	43	-14.04	37
13	CP808 SUPER	-13.22	44	1.98	42	-18.69	36	0.9	12	-3.68	27	-7.3	48	-33.72	50	-17.25	29	-15.16	40
14	DH-315	-43.89	63	3.48	37	-68.62	63	-28.21	62	-31.69	62	-19.87	58	-46.12	60	-25.26	39	-33.54	59
15	FAUJI	-2.87	24	-14.34	61	-1.61	8	-16.59	51	-8.65	41	5.47	21	-44.26	58	-5.26	8	0.13	13
16	GK3124	23.3	4	-4.91	53	-10.62	19	-13.07	41	-6.95	37	-1.91	35	-16.87	23	-16.6	27	-11.46	32
17	GK3164	-11.71	41	-11.35	58	-13.59	27	0.93	11	-4.91	32	5.74	20	-26.84	43	-11.96	14	-8.33	24
18	HKH-366	-3.98	27	21.54	5	-32.72	48	-20.11	58	-11.65	47	-20.04	59	-48.31	61	-52.2	60	-38.8	61
19	HT18007	15.47	8	-13.5	60	-37.14	51	-15.89	50	-21.52	56	-3.26	39	-30.4	48	-41.85	59	-21.43	49
20	IMHSB-17K-08	34.91	1	4.06	35	-30.22	47	-19.33	55	-15.9	53	-7.67	50	-29.35	46	-32.25	51	-10.49	29
21	IMHVS-005	-14.13	45	-4.12	50	-18.85	37	-14.83	45	-8.8	42	17.41	3	-21.95	33	-30.5	48	-5.95	19
22	JH 15002	3.74	18	4.17	34	-13.07	26	-19.91	56	-8.16	40	4.5	24	-12.83	18	-8.21	12	3.84	10
23	JH 16026	-4.37	28	-4.45	52	-8.31	17	-4.49	24	-0.8	18	6.2	17	-13.98	20	-25.18	38	-6.92	21
24	JH 16224	-24.31	55	6.13	30	15.89	1	-11.4	37	4.44	5	-2.54	38	-2.82	5	-13.01	15	15.79	4
25	JH 17014	21.47	5	11.83	17	-4.06	11	-10.75	35	-2.77	25	-7.59	49	-24.7	38	-29.51	45	-29.04	55
26	JH 17026	3.17	19	22.53	4	-12.8	24	-2.6	19	1.79	11	2.89	30	-10.79	16	-14.97	24	5.48	9
27	JH 17029	-6.95	32	-2.64	48	-1.48	7	-3.31	21	0.58	14	6.14	19	-14.62	21	-17.98	30	-9.25	27
28	JKMH1581	-5.18	30	18.95	9	-34.89	49	-18.25	54	-12.48	49	-5.09	44	-2.82	6	-15.51	25	-14.9	39
29	KMH-005	-30.32	58	13.29	15	-4.84	13	5.53	5	4.17	6	17.52	2	-8.99	13	-13.9	18	-8.93	26
30	KMH-1(CAH1612)	4.81	15	-2.2	47	-25.77	42	-8.17	30	-11.4	46	-8.91	52	-34.47	51	-13.17	16	-17.57	42
31	KNMH-4185	-26.8	56	-15.11	62	-25.85	44	-15.74	48	-14.61	51	-4.12	41	-35.17	52	-41.47	58	-29.78	57
32	KNMH-4187	29.45	2	-9.31	57	-12.83	25	-15.76	49	-10.39	44	-3.48	40	-17.08	24	-14.43	22	6.08	7
33	MAH-14-138	-6.36	31	-5.21	54	-11.97	22	-14.16	43	-9.43	43	-8.63	51	-37.32	55	-33.07	52	-17.64	43
34	MAH-14-239	4.11	16	-8.96	56	-57.8	60	-8.56	31	-24.5	60	-10.86	55	-43.79	57	-53.02	61	-40.28	62
35	MFH18-13	-15.46	46	.	.	-41.33	54	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	NWPZ										PZ							
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	7.8	12	2.12	41	-38.61	52	-15.3	46	-18.2	55	-22.75	61	-45.67	59	-29	44	-18.83	45
37	MM2033	-3.14	26	6.63	28	-17.03	34	-1.69	17	-2.45	23	10.35	12	-4.39	8	-32.11	50	-11.88	33
38	MM2828	-9.44	36	14.92	13	-9.83	18	-4.13	23	-1.03	19	8.61	15	-21.55	32	-40.92	57	-18.95	46
39	MM9207	-19.96	52	8.15	25	-16.54	31	3.02	8	-1.25	20	-6.82	47	-38.11	56	-22.81	33	-11	30
40	OMH 17-2	-40.24	62	11.3	19	-41.2	53	-10.14	34	-12.91	50	-0.08	33	-13.1	19	-30.25	46	-24.97	53
41	PHM1801 (CAH1801)	-38.55	61	10.62	21	-14.84	29	-5.71	26	-3.32	26	-4.7	42	-18.19	27	-14.92	23	-21.25	48
42	PM18101L	-4.37	29	24.05	3	-7.44	15	0.87	13	2.42	8	14	4	4.22	3	-6.67	9	16.29	3
43	PM18102L	-10.89	40	-0.67	45	-14.65	28	-3.11	20	-0.15	16	2.89	29	-16.13	22	-27.21	42	-9.72	28
44	PM18103L	1.32	21	-11.66	59	-61.74	61	-22.66	60	-30.04	61	13.12	6	7.08	2	-9.71	13	9.72	6
45	PM18104L	18.79	7	24.74	2	-20.05	38	1.52	10	1.83	10	0.69	31	8.38	1	-13.67	17	6.07	8
46	PM18105L	-8.78	34	6.52	29	-4.04	10	15.62	1	7.36	1	3.5	28	-19.2	28	-24.51	36	-29.18	56
47	PM18106L	7.81	11	7.67	26	-4.31	12	10	2	7.1	2	12.45	7	-9.22	14	-8.04	10	-5.4	17
48	QMH 1590	-17.67	48	18.09	10	-45.21	56	-21.87	59	-17.2	54	-17.08	57	-36.8	53	-39.81	55	-34.06	60
49	QMH1571	26.85	3	-3.91	49	-53.61	59	-20.03	57	-23.29	57	-9.66	53	-36.87	54	-56.87	62	-24.23	51
50	Rasi 4992	-15.69	47	-0.82	46	-16.57	33	-7.22	28	-6.81	36	13.14	5	-20.13	29	3.53	2	29.96	1
51	Rasi 70197	-9.32	35	10.1	22	-26.75	45	-5.23	25	-5.53	33	-0.74	34	-24.71	40	-18.16	31	-31.4	58
52	STARX-5	-2.89	25	4.51	33	-22.19	41	-12.7	40	-4.8	31	-4.84	43	-29.43	47	-25.11	37	-15.66	41
53	SUPER-4050	-10.29	38	24.93	1	-25.78	43	-3.57	22	-0.2	17	6.9	16	-21.33	31	-2.76	6	-19.37	47
54	SYN816514	-20.13	53	13.7	14	1.53	3	-5.92	27	4.46	4	11.56	10	-5.16	11	-21.68	32	-25.47	54
55	TS2505	-12.43	43	15.96	12	-12.69	23	7.77	3	2.07	9	4.39	25	-28.53	45	-31.51	49	-23.85	50
56	TS2601	-11.94	42	5.7	31	-16.57	32	-11.63	38	-6.69	35	-1.97	36	-26.71	42	-39.88	56	-17.8	44
57	X5826	5.28	14	10.87	20	-11.84	21	-15.59	47	-2.33	22	11.02	11	-24.17	37	-26.79	40	3.33	11
58	X5873	-8.76	33	-5.7	55	-0.1	6	-14.81	44	-4.21	28	11.79	8	-21.02	30	-2.3	5	1.3	12
59	Filler (DHM-117)	-34.45	60	8.96	23	-52.49	58	-18.03	53	-23.95	58	-10.45	54	-26.89	44	-27.03	41	-13.5	35
60	BIO 9682 ©	12.62	9	11.53	18	-35.74	50	-0.85	15	-5.69	34	10.11	13	-30.88	49	-14.22	21	-11.01	31
61	CMH 08-282 ©	-19.41	50	0.21	43	-18.6	35	5.33	6	-1.68	21	5.06	22	-12.1	17	-17.18	28	-14.23	38
62	CMH 08-287 ©	0	22	0	44	0	5	0	14	0	15	0	32	0	4	0	4	0	14
63	NK 6240 ©	2.23	20	2.76	39	1.09	4	-7.9	29	1.09	13	3.99	26	-25.59	41	-16.13	26	10.29	5

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	PZ													
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-3.57	31	-1.59	17	-12.18	24	11.88	24	8.59	19	-3.8	13	-4.35	15
2	AH 1625	1.15	21	-11.94	41	-9.99	21	6.78	40	12.47	12	-5.93	25	-6.36	22
3	AH 8087	-20.96	54	-18.76	53	-19.35	42	10.36	30	6.28	24	-12.83	42	-9.85	35
4	AH 8323	2.43	16	-21.14	55	-18.47	40	22.54	10	-4.37	39	-11.01	38	-9.21	32
5	BH416112	-7.17	35	-14.95	51	-19.91	46	-0.68	56	18.67	5	-11.37	39	-13.36	44
6	BIO 534	1.92	18	-11.98	43	-19.51	43	22.61	9	-9.42	46	-6.34	27	-8.5	31
7	BIO 536	35.11	2	-20.81	54	3.77	3	9.86	33	-16.13	50	-10.83	37	-13.37	45
8	BLH135	-28.06	58	-4.44	20	-4.21	11	11.04	26	-9.07	45	-2.29	10	-4.49	16
9	BLH137	5.81	13	-9.52	37	-3.1	10	34.43	2	8.77	18	2.4	4	1.19	5
10	BRMH-16039	-31.7	59	-16.57	52	-34.33	57	-0.88	57	-25.2	58	-27.91	56	-30.5	59
11	CMH14-716	4.95	14	-7.04	26	-13.02	25	9.7	34	5.61	27	-3.94	15	-6.73	24
12	CMH14-722	-15.99	47	-5.07	22	-23.89	49	-0.56	55	1.92	30	-14.3	43	-17.45	51
13	CP808 SUPER	6.07	11	-8.87	34	-32.16	55	6.57	41	-10.82	47	-16.52	48	-12.81	43
14	DH-315	-18.63	51	-27.7	60	-35.27	58	-4.23	59	-38.7	62	-30.23	60	-34.03	60
15	FAUJI	-2.16	28	-1.52	16	-21.15	47	29.04	3	-5.69	40	-9.63	36	-9.53	34
16	GK3124	1.44	20	8.75	1	-18.12	39	25.91	7	-1.81	36	-6.53	28	-7.57	27
17	GK3164	-1.63	27	-1.32	15	-19.86	45	24.5	8	14.46	9	-4.53	17	-6.78	25
18	HKH-366	-18.27	50	-21.83	56	-27.13	53	-5.26	61	-24.16	57	-31.82	61	-29.42	57
19	HT18007	22.9	4	-13.56	48	-16.78	35	-5.01	60	-20.04	54	-19.22	53	-18.07	52
20	IMHSB-17K-08	-8.65	36	-9.33	36	-10.47	22	7.28	38	-13.72	48	-15.36	45	-16.04	50
21	IMHVS-005	3.49	15	-8.31	32	-13.7	29	4.55	45	-2.17	37	-8.99	35	-8.37	30
22	JH 15002	14.34	6	-2.84	18	-13.78	30	14.89	17	3.01	29	-3.47	12	-6.9	26
23	JH 16026	24.16	3	-3.1	19	-15.69	32	11.98	23	-6.55	43	-7.21	29	-7.82	28
24	JH 16224	14.46	5	-8.95	35	4.14	2	5.59	42	5.89	25	-0.46	8	1.32	4
25	JH 17014	-22.36	55	-9.77	38	-17.38	36	10.75	29	-21.3	55	-17.61	51	-10.77	38
26	JH 17026	-0.52	25	-1.18	14	-8.09	18	13.92	19	-19.08	52	-5.55	21	-3.9	13
27	JH 17029	-32.42	61	-13.52	47	-16.24	34	16.32	16	-1.46	35	-8.37	32	-5.4	21
28	JKMH1581	67.85	1	-11.16	40	.	.	39.04	1	7.35	23	.	.	.	.
29	KMH-005	-14.44	45	-25.71	59	0.04	5	1.7	51	16.7	7	-3.83	14	-0.62	8
30	KMH-1(CAH1612)	-7.14	34	-12	44	-24.13	50	2.33	50	-0.02	34	-15.5	46	-14.86	48
31	KNMH-4185	-23.47	56	-14.09	49	-11.63	23	10.92	27	8.38	20	-16.19	47	-12.28	42
32	KNMH-4187	-12.81	42	-22.05	57	-7.24	16	28.22	5	10.66	15	-6.13	26	-7.95	29
33	MAH-14-138	-13.05	43	-7.69	29	-26.78	52	2.68	49	-25.3	59	-21.11	54	-20	53
34	MAH-14-239	-13.89	44	-28.03	61	-41.41	61	11.98	22	-6.92	44	-28.5	59	-30.4	58
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over CMH 08-287 ©**

S. No.	Entry name	PZ												All India	
		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-34.85	62	-35.95	62	-29.28	54	11.88	25	-31.55	61	-28.43	58	-37.16	61
37	MM2033	0.89	22	-1.11	13	-4.56	13	-2.86	58	8.12	22	-4.87	20	-9.92	37
38	MM2828	5.88	12	-7.27	28	-7.82	17	10.16	31	25.07	2	-7.88	30	-11.3	41
39	MM9207	-16.2	48	4.46	6	-18.52	41	5.09	43	-15.44	49	-14.47	44	-9.45	33
40	OMH 17-2	-6.26	33	7.65	2	-13.54	27	16.97	15	-6	42	-8.77	33	-9.89	36
41	PHM1801 (CAH1801)	-5.54	32	-6.12	25	-17.54	37	21.83	12	4.58	28	-8.89	34	-11.15	40
42	PM18101L	13.89	7	7.36	3	-6.46	15	22.49	11	9.58	17	5.9	1	7.14	1
43	PM18102L	-9.66	39	3.16	7	-4.39	12	10.01	32	10.47	16	-4.6	19	-4.31	14
44	PM18103L	-9.07	37	2.94	8	-4.91	14	10.8	28	11.51	13	4.29	2	-5.1	19
45	PM18104L	-10.75	40	-8.23	31	8.72	1	17.37	14	25.21	1	4.19	3	1.04	6
46	PM18105L	-15.92	46	2.03	9	-13.62	28	28.88	4	23.01	3	-4.58	18	-0.73	9
47	PM18106L	6.47	10	6.01	4	-1.41	7	26.54	6	8.31	21	1.16	5	6.04	2
48	QMH 1590	-26.85	57	-23.46	58	-37.91	60	9.69	35	-22.54	56	-28.23	57	-28.41	56
49	QMH1571	-3.27	30	-8.58	33	-19.83	44	-10.95	62	-28.07	60	-25.04	55	-27.28	55
50	Rasi 4992	1.71	19	-14.64	50	-9	19	12.02	21	11.28	14	0.31	6	2.05	3
51	Rasi 70197	-20.61	53	-4.73	21	-37.08	59	2.77	48	-17.22	51	-17.3	50	-15.45	49
52	STARX-5	11.61	9	-5.71	23	-22.04	48	12.33	20	1.77	31	-12.26	40	-13.77	46
53	SUPER-4050	13.13	8	-7.84	30	-1.7	9	9.44	36	13.46	10	-4.16	16	-3.49	12
54	SYN816514	-32.22	60	5.07	5	2.86	4	8.53	37	13.14	11	-1.43	9	-2.89	10
55	TS2505	-1.32	26	2.01	10	-25.26	51	14.1	18	5.68	26	-12.35	41	-10.85	39
56	TS2601	-9.08	38	-10.23	39	-9.71	20	-0.17	54	-19.66	53	-16.93	49	-14.33	47
57	X5826	2.09	17	-6.1	24	-15.84	33	17.62	13	15.28	8	-5.71	23	-5.25	20
58	X5873	-12.32	41	1.21	11	-13.05	26	4.08	46	-3.6	38	-3.26	11	-6.63	23
59	Filler (DHM-117)	-19.63	52	-12.79	46	-33.75	56	6.92	39	-5.97	41	-18.28	52	-22.1	54
60	BIO 9682 ©	-16.53	49	-12.71	45	-17.83	38	-0.05	53	21.59	4	-8.11	31	-4.57	17
61	CMH 08-282 ©	-2.71	29	-11.96	42	-1.59	8	3.5	47	0.56	32	-5.81	24	-3.37	11
62	CMH 08-287 ©	0	24	0	12	0	6	0	52	0	33	0	7	0	7
63	NK 6240 ©	0.56	23	-7.25	27	-14.89	31	4.84	44	18.32	6	-5.56	22	-4.92	18

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-43.88	56	1.35	13	14.14	12	-14.05	30	9.83	21	-11.01	36	20.28	16	41.45	11	-24.7	49	-16.48	41	9.43	24
2	AH 1625	-2.47	17	-14.64	32	16.06	9	-3.44	13	3.44	29	-2.31	19	27.57	12	16.41	36	4.93	15	8.16	5	13.01	13
3	AH 8087	6.23	2	-23.85	40	8.25	18	0.98	7	4.56	25	-0.49	13	4.53	30	9.79	45	18.87	2	-6.52	25	11.54	16
4	AH 8323	-12.48	33	-32.77	51	23.04	4	-32.74	57	47.96	4	-5.29	22	-0.52	37	29.2	26	-7.21	30	-22.92	56	1.95	35
5	BH416112	-10.51	30	-7.83	26	-1.43	34	-28.3	54	-11.77	42	-11.93	38	-37.26	61	23.69	28	-38	54	-24.97	59	-17.57	54
6	BIO 534	-8.5	27	-19.53	37	-5.11	39	-38.97	60	-2.97	35	-14.69	44	-4.21	40	2.45	50	-1.73	25	0.19	11	-1.46	41
7	BIO 536	-21.33	43	-14.77	33	-9.13	46	-10.76	26	-16.42	46	-14.71	45	-8.48	46	11.85	43	-50.1	60	17.4	2	-21.41	58
8	BLH135	-30.16	50	22.7	1	-7.28	42	-11.95	27	34.84	12	-2.26	18	14.72	21	35.83	21	-28.9	51	126.38	1	1.95	36
9	BLH137	-2.06	16	-8.85	28	14.67	11	-18.42	36	27.86	14	1.03	10	14.59	22	49.66	4	-14.3	41	-13.3	35	13.57	12
10	BRMH-16039	-61.92	59	-31.97	50	-14.88	54	-25.99	51	-21.2	48	-35.27	58	-45.22	62	48.81	5	-66.6	61	-4.78	22	-28.86	61
11	CMH14-716	-16.97	39	-25	41	5.64	23	-9.67	22	4.45	26	-10.79	35	9.45	26	44.12	8	-14.2	40	-1.39	16	10.89	17
12	CMH14-722	-40.64	54	-25.15	43	-3.61	36	-22.75	47	-8.1	40	-24	53	-10.94	50	-15.95	57	-2.85	26	-6.02	23	-9.7	48
13	CP808 SUPER	4.6	3	-2.47	18	-19.93	57	-8.34	21	0.53	31	-2.71	20	-24.39	56	-1.89	54	-10.2	36	-3.47	20	-12.91	50
14	DH-315	-73.28	61	-41.2	58	-50.24	62	-3.33	12	-23.16	49	-41.3	61	-34.8	60	6.73	47	-36.8	53	-22.12	55	-26.35	60
15	FAUJI	-10.49	29	-0.44	16	-9.45	48	-22.75	46	-12.83	43	-9.75	34	34.1	7	-5.84	56	3.36	18	-7.79	28	9.37	25
16	GK3124	-17.38	40	-10.16	29	3.29	26	-17.04	34	-29.65	53	-14.12	43	37.22	5	16.33	37	11.73	7	-20.34	53	20.55	6
17	GK3164	-18.72	41	7.59	3	-4.19	38	-14.08	31	-6.24	38	-7.54	30	14.49	23	-1.04	53	-4.04	28	-7	26	1.22	38
18	HKH-366	-70.5	60	-36.98	55	-9.42	47	-1.5	10	-31.48	55	-34.15	57	-23.1	55	20.51	32	-45.7	59	-18.55	50	-24.01	59
19	HT18007	-21.56	44	-8.44	27	1.64	27	-35.67	58	-9.51	41	-16.97	46	3.09	32	22.15	30	2.33	19	-20.17	51	6.81	30
20	IMHSB-17K-08	-20.61	42	-29.22	47	-38.87	59	-12.2	29	-3.99	37	-20.31	52	0.85	34	34.78	22	-7.28	31	-7.99	29	6.43	31
21	IMHVS-005	-7.1	25	-6.33	24	22.99	5	-15.34	32	12.73	20	-0.5	14	-8.79	47	12.47	42	4.17	17	-28.65	62	1.35	37
22	JH 15002	-1.97	15	-27.41	46	-1.34	33	-37.06	59	38.15	10	-6.86	27	14.92	20	15.47	39	-21.8	47	-10.49	34	1.96	34
23	JH 16026	-24.4	46	-33.74	53	-7.07	41	-27.2	53	36.92	11	-14.12	42	35.56	6	38.34	16	-17.4	43	-23.3	57	10.86	19
24	JH 16224	-5.33	22	-13.05	30	-7.58	43	-4.23	15	51.82	2	2.88	7	29.35	11	43.24	10	5.65	11	-9.62	30	21.26	5
25	JH 17014	-2.51	18	-18.68	36	7.35	22	-6.84	19	5.38	24	-4.57	21	0.66	35	25.73	27	9.72	8	-13.31	36	12.13	15
26	JH 17026	7.11	1	-29.25	48	12.95	14	-19.33	41	39.37	8	1.71	8	21.39	15	13.77	40	-18.3	44	-10.45	33	2.88	32
27	JH 17029	1.61	7	-33.08	52	26.08	3	-7.35	20	17.58	17	-1.9	17	31.08	10	38.44	15	-20.3	45	-7.36	27	12.98	14
28	JKMH1581	-41.1	55	-38.51	56	-9.85	49	-19.36	42	-49.15	60	-32.46	56	8.2	27	20.72	31	-26.5	50	-13.53	37	-4.46	44
29	KMH-005	4.19	4	-2.77	20	3.46	25	-21.5	44	3.48	28	-0.74	15	26.26	13	52.82	2	5.32	12	1.66	8	25.49	3
30	KMH-1(CAH1612)	-23.72	45	-15.91	35	11.09	15	-0.96	9	-18.46	47	-11.1	37	5.87	29	-23.76	61	-7.48	32	3.41	7	-7	46
31	KNMH-4185	-5.52	23	2.88	11	-14.63	53	-10.56	25	-16.33	45	-8.66	32	33.59	8	31.51	24	16.73	4	-44.41	63	20.18	7
32	KNMH-4187	-12.58	34	-31.15	49	8.06	20	-4.16	14	4.01	27	-8.21	31	4.03	31	12.86	41	8.46	9	-17.78	49	9.12	27
33	MAH-14-138	-53.97	57	5.41	7	-8.7	45	-19.23	40	7.63	22	-17.38	47	-5.57	42	-16.37	58	-35.1	52	-25.54	60	-20.18	56
34	MAH-14-239	-55.77	58	-34.81	54	-26.85	58	-17.68	35	-43.27	59	-37.74	60	-7.02	43	-28.33	62	-22.3	48	-1.12	15	-19.91	55
35	MFH18-13	.	.	.	.	-86.24	63	-19.15	39	-81.32	63	.	.	.	.	.	.	.	.	3.85	6	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name	CWZ												NEPZ									
		Ambi_CG		Bans_RJ		Chind_MP		Godh_GJ		Udai_Raj		Z_CWZ		BHU_UP		Bhub_OD		Ranchi_JH		Sabo_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-76.26	62	-51.61	61	-46.07	61	-49.62	63	-60.84	62	-58.39	62	-32.58	59	-17.54	60	-86.3	62	-23.86	58	-51.21	62
37	MM2033	-33.19	52	-2.47	17	-9.86	50	-41.86	61	6.31	23	-17.93	49	-28.6	58	-2.65	55	1.43	21	-9.85	31	-8.06	47
38	MM2828	-28.59	47	7.52	4	-0.31	30	-26.14	52	-59.72	61	-20.28	51	-21.94	54	15.63	38	-13.8	39	-16.73	43	-6.82	45
39	MM9207	-4.09	21	-2.85	21	15	10	-31.91	55	-7.99	39	-6.14	26	31.64	9	18.3	33	-9.96	35	-17.44	46	10.88	18
40	OMH 17-2	0.11	10	-26.21	45	-12.21	51	-9.86	23	-1.58	33	-9.63	33	24.93	14	10.46	44	1.68	20	-1.02	14	8.7	28
41	PHM1801 (CAH1801)	-15.18	37	4.13	9	-5.68	40	-23.49	48	-28.07	52	-13.42	40	2.45	33	17.84	35	-38.5	55	-3.35	19	-9.83	49
42	PM18101L	-0.53	14	1.76	12	42.59	1	-16.78	33	46.44	5	11.37	3	52.34	1	46.67	7	0.85	22	-10.23	32	33.09	1
43	PM18102L	-7.44	26	5.6	6	8.2	19	-24.09	49	-3.94	36	-6	25	51.16	2	37.53	18	-16.3	42	-17.35	45	16.05	10
44	PM18103L	-14.72	36	-22.87	39	-4.11	37	-12.05	28	30.43	13	-5.8	24	15.99	18	35.99	20	6.96	10	-16.75	44	16.64	9
45	PM18104L	-16.21	38	-0.37	15	20.31	7	-6.28	16	26.46	15	0.6	11	15.32	19	36.77	19	-13.1	38	1.45	9	8.62	29
46	PM18105L	-2.79	19	-7.23	25	-8.55	44	-6.49	17	57.2	1	5.04	5	18.48	17	23.49	29	-1.58	24	0.69	10	10.84	20
47	PM18106L	2.5	5	3.09	10	20.67	6	36.95	1	39.7	6	17.8	1	41.26	4	46.88	6	5.11	13	13.3	3	25.34	4
48	QMH 1590	-40.45	53	-49	60	-16.08	56	-24.63	50	-43.13	58	-35.51	59	-10.17	48	-17.26	59	-21.1	46	-17.65	48	-17.39	53
49	QMH1571	-28.68	48	-55.08	62	-16.04	55	-19.14	38	-36.21	57	-30.59	55	-11.3	52	5.78	48	-40.3	56	-16.6	42	-20.47	57
50	Rasi 4992	2.46	6	11.04	2	30.89	2	2.87	4	48.66	3	16.34	2	10.88	25	34.34	23	13.35	5	-13.68	39	17.72	8
51	Rasi 70197	-6.39	24	-15	34	7.55	21	-45.98	62	-36.18	56	-17.97	50	-15.19	53	38.48	14	-8.33	33	-6.2	24	0.33	39
52	STARX-5	-29.55	49	-20.62	38	13.49	13	2.04	5	-26.89	51	-13.95	41	8.15	28	17.93	34	-43.9	58	-13.65	38	-13.99	51
53	SUPER-4050	-0.46	13	-2.49	19	-3.3	35	-6.82	18	17.12	18	-1.05	16	-0.87	38	29.57	25	17.2	3	-20.82	54	10.73	21
54	SYN816514	-13.83	35	-5.03	22	10.42	16	11.28	2	-26.76	50	-7.49	28	-1.98	39	50.55	3	-5.28	29	-2.6	17	10.25	22
55	TS2505	-0.05	12	-25.16	44	-0.48	31	-18.98	37	-30.91	54	-13.16	39	-7.74	44	7.88	46	-9.19	34	-0.27	13	-2.79	42
56	TS2601	-10.07	28	-43.49	59	-14.47	52	-10.33	24	-14.4	44	-17.73	48	13.15	24	38.8	13	-12.6	37	-27.86	61	9.5	23
57	X5826	0.86	8	-5.67	23	1.18	28	-20.95	43	39.43	7	1.23	9	-8.34	45	1.31	51	13.16	6	-20.27	52	2.03	33
58	X5873	-3.52	20	-13.51	31	4.8	24	-32.25	56	0.82	30	-7.51	29	-4.53	41	5.63	49	-2.94	27	-4.39	21	-3.47	43
59	Filler (DHM-117)	-32.53	51	-41.11	57	-44.28	60	1.34	6	-2.5	34	-24.21	54	-27.19	57	38.33	17	-43.5	57	-16	40	-16.15	52
60	BIO 9682 ©	0.82	9	4.65	8	9.27	17	-21.95	45	38.2	9	5.04	4	-11.29	51	39.06	12	27.17	1	-17.62	47	14.11	11
61	CMH 08-282 ©	-10.82	31	5.86	5	19.13	8	-2.48	11	20.62	16	4.44	6	-10.91	49	43.89	9	4.38	16	-3.28	18	9.36	26
62	CMH 08-287 ©	-11.52	32	-25.05	42	-0.85	32	10.62	3	13.38	19	-5.66	23	42.91	3	57.66	1	5.1	14	12.61	4	31.13	2
63	NK 6240 ©	0	11	0	14	0	29	0	8	0	32	0	12	0	36	0	52	0	23	0	12	0	40

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name	NWPZ										PZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	-23.39	54	5.56	24	8.4	2	7.65	16	5.38	3	2.07	18	28.47	9	-9.18	35	-14.24	18	-4.11	31
2	AH 1625	3.82	13	-6.77	51	-15.98	30	-17.09	61	-11.87	45	0.55	23	10.42	26	2.58	19	-15.76	22	0.58	21
3	AH 8087	-34.73	59	9.69	16	-43.29	55	-6.43	42	-16.09	52	-9.15	45	4.74	34	-21.63	53	-15.76	23	-21.4	54
4	AH 8323	1.78	17	16.21	8	-21.93	40	-2.01	32	-5.28	29	-5.81	37	21.74	15	-9.15	34	-16.94	25	1.86	16
5	BH416112	-12.27	39	17.59	6	-12.58	20	-9.46	52	-8.17	38	-26.96	62	1.19	39	9.56	11	-9.53	15	-7.68	35
6	BIO 534	-20.29	49	14.73	11	-4.47	9	-4.46	39	0.69	12	5.2	14	10.92	25	24.88	1	-20.41	34	1.35	18
7	BIO 536	-31.3	57	0.46	38	-21.5	39	16.18	4	-3.81	24	-10.37	46	27.23	12	-16.87	47	-21.72	36	34.36	2
8	BLH135	-12.15	37	2.01	32	-9.13	16	-2.19	33	-5.55	30	-0.46	27	27.94	10	2.36	20	8.36	2	-28.46	58
9	BLH137	8.92	10	16.69	7	-7.01	14	11.04	9	1.5	7	7.29	9	29.32	7	20.61	3	-15.5	20	5.22	13
10	BRMH-16039	-3.66	23	0.82	36	-62.77	62	-3.66	36	-24.93	59	-25.15	60	-32.44	62	-25.93	54	-31.51	52	-32.08	59
11	CMH14-716	17.94	6	4.32	27	-29.26	46	5.92	18	-8.45	39	13.54	1	3.37	36	15.44	7	-13.74	16	4.37	14
12	CMH14-722	-21.27	51	-0.33	40	-46.51	57	14.07	7	-13.17	48	-16.02	56	3.94	35	-14	43	-22.07	37	-16.45	47
13	CP808 SUPER	-15.12	44	-0.76	42	-19.57	36	9.56	12	-4.72	27	-10.86	48	-10.92	50	-1.34	29	-23.08	40	5.48	11
14	DH-315	-45.11	63	0.7	37	-68.96	63	-22.05	62	-32.43	62	-22.95	58	-27.59	60	-10.89	39	-39.74	59	-19.09	51
15	FAUJI	-4.99	24	-16.64	61	-2.67	8	-9.43	51	-9.63	41	1.41	21	-25.09	58	12.96	8	-9.22	13	-2.7	28
16	GK3124	20.61	4	-7.46	53	-11.59	19	-5.61	41	-7.95	37	-5.68	35	11.72	23	-0.56	27	-19.72	32	0.88	20
17	GK3164	-13.64	41	-13.74	58	-14.52	27	9.59	11	-5.93	32	1.68	20	-1.68	43	4.97	14	-16.89	24	-2.18	27
18	HKH-366	-6.08	27	18.27	5	-33.45	48	-13.25	58	-12.6	47	-23.11	59	-30.54	61	-43	60	-44.51	61	-18.73	50
19	HT18007	12.96	8	-15.82	60	-37.82	51	-8.67	50	-22.37	56	-6.98	39	-6.46	48	-30.66	59	-28.76	49	22.22	4
20	IMHSB-17K-08	31.96	1	1.26	35	-30.97	47	-12.41	55	-16.8	53	-11.21	50	-5.06	46	-19.22	51	-18.84	29	-9.16	36
21	IMHVS-005	-16	45	-6.7	50	-19.72	37	-7.53	45	-9.79	42	12.9	3	4.89	33	-17.14	48	-14.72	19	2.91	15
22	JH 15002	1.47	18	1.38	34	-14.01	26	-13.03	56	-9.15	40	0.49	24	17.15	18	9.44	12	-5.85	10	13.7	6
23	JH 16026	-6.45	28	-7.01	52	-9.3	17	3.71	24	-1.87	18	2.12	17	15.61	20	-10.79	38	-15.61	21	23.47	3
24	JH 16224	-25.96	55	3.28	30	14.63	1	-3.79	37	3.31	5	-6.28	38	30.6	5	3.72	15	4.99	4	13.82	5
25	JH 17014	18.82	5	8.82	17	-5.09	11	-3.09	35	-3.82	25	-11.14	49	1.19	38	-15.96	45	-35.66	55	-22.79	55
26	JH 17026	0.92	19	19.24	4	-13.74	24	5.76	19	0.7	11	-1.07	30	19.89	16	1.38	24	-4.37	9	-1.07	25
27	JH 17029	-8.98	32	-5.25	48	-2.54	7	4.98	21	-0.51	14	2.06	19	14.74	21	-2.2	30	-17.72	27	-32.8	61
28	JKMH1581	-7.24	30	15.76	9	-35.59	49	-11.24	54	-13.43	49	-8.73	44	30.6	6	0.74	25	-22.84	39	66.91	1
29	KMH-005	-31.84	58	10.24	15	-5.87	13	14.59	5	3.04	6	13	2	22.31	13	2.66	18	-17.43	26	-14.91	45
30	KMH-1(CAH1612)	2.52	15	-4.83	47	-26.57	42	-0.29	30	-12.36	46	-12.4	52	-11.93	51	3.53	16	-25.26	42	-7.65	34
31	KNMH-4185	-28.4	56	-17.39	62	-26.65	44	-8.51	48	-15.53	51	-7.8	41	-12.87	52	-30.22	58	-36.33	57	-23.9	56
32	KNMH-4187	26.62	2	-11.75	57	-13.77	25	-8.53	49	-11.36	44	-7.18	40	11.44	24	2.03	22	-3.82	7	-13.29	42
33	MAH-14-138	-8.4	31	-7.75	54	-12.92	22	-6.79	43	-10.41	43	-12.14	51	-15.76	55	-20.19	52	-25.33	43	-13.53	43
34	MAH-14-239	1.84	16	-11.41	56	-58.26	60	-0.72	31	-25.32	60	-14.28	55	-24.46	57	-43.99	61	-45.85	62	-14.37	44
35	MFH18-13	-17.31	46	.	.	-41.96	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name	NWPZ										PZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	5.45	12	-0.62	41	-39.27	52	-8.03	46	-19.08	55	-25.72	61	-26.99	59	-15.35	44	-26.41	45	-35.22	62
37	MM2033	-5.25	26	3.77	28	-17.93	34	6.75	17	-3.5	23	6.11	12	28.5	8	-19.05	50	-20.11	33	0.33	22
38	MM2828	-11.42	36	11.83	13	-10.8	18	4.09	23	-2.1	19	4.44	15	5.44	32	-29.56	57	-26.52	46	5.29	12
39	MM9207	-21.7	52	5.25	25	-17.44	31	11.86	8	-2.31	20	-10.4	47	-16.82	56	-7.96	33	-19.31	30	-16.66	48
40	OMH 17-2	-41.54	62	8.31	19	-41.83	53	-2.42	34	-13.85	50	-3.92	33	16.79	19	-16.84	46	-31.97	53	-6.78	33
41	PHM1801 (CAH1801)	-39.9	61	7.65	21	-15.76	29	2.38	26	-4.36	26	-8.36	42	9.95	27	1.45	23	-28.6	48	-6.06	32
42	PM18101L	-6.46	29	20.72	3	-8.44	15	9.53	13	1.32	8	9.62	4	40.06	3	11.28	9	5.43	3	13.26	7
43	PM18102L	-12.83	40	-3.34	45	-15.57	28	5.21	20	-1.22	16	-1.06	29	12.71	22	-13.2	42	-18.14	28	-10.16	39
44	PM18103L	-0.89	21	-14.03	59	-62.16	61	-16.02	60	-30.8	61	8.77	6	43.9	2	7.66	13	-0.52	6	-9.57	37
45	PM18104L	16.2	7	21.39	2	-20.91	38	10.23	10	0.73	10	-3.18	31	45.66	1	2.93	17	-3.83	8	-11.24	40
46	PM18105L	-10.77	34	3.66	29	-5.08	10	25.54	1	6.21	1	-0.47	28	8.59	28	-9.99	36	-35.79	56	-16.39	46
47	PM18106L	5.46	11	4.78	26	-5.34	12	19.44	2	5.94	2	8.13	7	22	14	9.65	10	-14.23	17	5.88	10
48	QMH 1590	-19.47	48	14.92	10	-45.8	56	-15.17	59	-18.1	54	-20.27	57	-15.06	53	-28.23	55	-40.22	60	-27.25	57
49	QMH1571	24.08	3	-6.49	49	-54.11	59	-13.17	57	-24.11	57	-13.13	53	-15.16	54	-48.57	62	-31.3	51	-3.81	30
50	Rasi 4992	-17.53	47	-3.48	46	-17.47	33	0.74	28	-7.82	36	8.79	5	7.34	29	23.45	2	17.83	1	1.14	19
51	Rasi 70197	-11.3	35	7.15	22	-27.54	45	2.91	25	-6.55	33	-4.56	34	1.18	40	-2.42	31	-37.8	58	-21.06	53
52	STARX-5	-5	25	1.7	33	-23.03	41	-5.21	40	-5.83	31	-8.49	43	-5.16	47	-10.7	37	-23.53	41	10.99	9
53	SUPER-4050	-12.25	38	21.57	1	-26.58	43	4.71	22	-1.28	17	2.8	16	5.73	31	15.94	6	-26.89	47	12.5	8
54	SYN816514	-21.88	53	10.64	14	0.44	3	2.15	27	3.33	4	7.28	10	27.45	11	-6.62	32	-32.42	54	-32.59	60
55	TS2505	-14.34	43	12.85	12	-13.63	23	17.02	3	0.97	9	0.38	25	-3.95	45	-18.34	49	-30.96	50	-1.86	26
56	TS2601	-13.86	42	2.86	31	-17.47	32	-4.04	38	-7.69	35	-5.74	36	-1.51	42	-28.31	56	-25.47	44	-9.58	38
57	X5826	2.99	14	7.89	20	-12.79	21	-8.34	47	-3.39	22	6.75	11	1.91	37	-12.71	40	-6.31	11	1.52	17
58	X5873	-10.75	33	-8.24	55	-1.17	6	-7.5	44	-5.24	28	7.5	8	6.14	30	16.5	5	-8.16	12	-12.81	41
59	Filler (DHM-117)	-35.88	60	6.03	23	-53.01	58	-10.99	53	-24.77	58	-13.89	54	-1.74	44	-13	41	-21.58	35	-20.07	52
60	BIO 9682 ©	10.17	9	8.54	18	-36.44	50	7.65	15	-6.71	34	5.88	13	-7.11	49	2.28	21	-19.31	31	-16.99	49
61	CMH 08-282 ©	-21.17	50	-2.48	43	-19.48	35	14.37	6	-2.74	21	1.02	22	18.13	17	-1.25	28	-22.23	38	-3.25	29
62	CMH 08-287 ©	-2.18	22	-2.69	44	-1.08	5	8.58	14	-1.08	15	-3.84	32	34.39	4	19.23	4	-9.33	14	-0.56	24
63	NK 6240 ©	0	20	0	39	0	4	0	29	0	13	0	26	0	41	0	26	0	5	0	23

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name			PZ									
		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	ADV 7132	6.1	17	3.18	24	6.72	24	-8.22	19	1.87	13	0.6	15
2	AH 1625	-5.06	41	5.76	21	1.85	40	-4.94	12	-0.39	25	-1.52	22
3	AH 8087	-12.41	53	-5.24	42	5.27	30	-10.18	24	-7.69	42	-5.18	35
4	AH 8323	-14.98	55	-4.2	40	16.88	10	-19.18	39	-5.77	38	-4.51	32
5	BH416112	-8.3	51	-5.9	46	-5.27	56	0.3	5	-6.15	39	-8.88	44
6	BIO 534	-5.1	43	-5.42	43	16.95	9	-23.45	46	-0.82	27	-3.76	31
7	BIO 536	-14.62	54	21.93	3	4.79	33	-29.11	50	-5.57	37	-8.89	45
8	BLH135	3.02	20	12.55	11	5.91	26	-23.15	45	3.46	10	0.46	16
9	BLH137	-2.45	37	13.85	10	28.22	2	-8.07	18	8.43	4	6.43	5
10	BRMH-16039	-10.05	52	-22.84	57	-5.46	57	-36.78	58	-23.66	56	-26.9	59
11	CMH14-716	0.22	26	2.19	25	4.63	34	-10.74	27	1.72	15	-1.9	24
12	CMH14-722	2.35	22	-10.57	49	-5.15	55	-13.86	30	-9.26	43	-13.18	51
13	CP808 SUPER	-1.75	34	-20.29	55	1.65	41	-24.63	47	-11.6	48	-8.29	43
14	DH-315	-22.05	60	-23.94	58	-8.65	59	-48.19	62	-26.12	60	-30.61	60
15	FAUJI	6.18	16	-7.35	47	23.08	3	-20.29	40	-4.31	36	-4.84	34
16	GK3124	17.24	1	-3.79	39	20.1	7	-17.02	36	-1.02	28	-2.78	27
17	GK3164	6.39	15	-5.84	45	18.76	8	-3.27	9	1.09	17	-1.95	25
18	HKH-366	-15.72	56	-14.38	53	-9.64	61	-35.9	57	-27.81	61	-25.76	57
19	HT18007	-6.8	48	-2.21	35	-9.4	60	-32.42	54	-14.46	53	-13.83	52
20	IMHSB-17K-08	-2.24	36	5.19	22	2.33	38	-27.08	48	-10.37	45	-11.69	50
21	IMHVS-005	-1.15	32	1.4	29	-0.27	45	-17.32	37	-3.63	35	-3.62	30
22	JH 15002	4.76	18	1.3	30	9.58	17	-12.94	29	2.21	12	-2.07	26
23	JH 16026	4.47	19	-0.94	32	6.81	23	-21.02	43	-1.75	29	-3.04	28
24	JH 16224	-1.83	35	22.36	2	0.71	42	-10.51	25	5.4	8	6.57	4
25	JH 17014	-2.72	38	-2.92	36	5.64	29	-33.48	55	-12.76	51	-6.15	38
26	JH 17026	6.54	14	8	18	8.66	19	-31.61	52	0.02	21	1.07	13
27	JH 17029	-6.76	47	-1.58	34	10.95	16	-16.71	35	-2.98	32	-0.5	21
28	JKMH1581	-4.21	40	.	.	32.62	1	-9.27	23	.	.	.	.
29	KMH-005	-19.91	59	17.54	5	-3	51	-1.37	7	1.84	14	4.52	8
30	KMH-1(CAH1612)	-5.12	44	-10.86	50	-2.39	50	-15.5	34	-10.52	46	-10.45	48
31	KNMH-4185	-7.37	49	3.84	23	5.8	27	-8.4	20	-11.26	47	-7.73	42
32	KNMH-4187	-15.96	57	8.98	16	22.3	5	-6.47	15	-0.6	26	-3.18	29
33	MAH-14-138	-0.48	29	-13.97	52	-2.06	49	-36.86	59	-16.47	54	-15.86	53
34	MAH-14-239	-22.41	61	-31.16	61	6.81	22	-21.33	44	-24.29	59	-26.8	58
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Gain in Yield(%) over NK 6240 ©**

S. No.	Entry name			PZ									
		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
36	MFH18-14	-30.95	62	-16.91	54	6.72	25	-42.15	61	-24.22	58	-33.9	61
37	MM2033	6.61	13	12.14	13	-7.34	58	-8.62	22	0.74	20	-5.25	37
38	MM2828	-0.02	28	8.3	17	5.08	31	5.71	2	-2.45	30	-6.71	41
39	MM9207	12.63	6	-4.26	41	0.24	43	-28.53	49	-9.44	44	-4.76	33
40	OMH 17-2	16.06	2	1.59	27	11.57	15	-20.56	42	-3.4	33	-5.22	36
41	PHM1801 (CAH1801)	1.21	25	-3.11	37	16.2	12	-11.62	28	-3.53	34	-6.55	40
42	PM18101L	15.75	3	9.9	15	16.83	11	-7.39	17	12.14	1	12.69	1
43	PM18102L	11.22	7	12.34	12	4.94	32	-6.63	16	1.02	19	0.64	14
44	PM18103L	10.98	8	11.73	14	5.68	28	-5.75	13	10.43	2	-0.19	19
45	PM18104L	-1.06	31	27.75	1	11.95	14	5.82	1	10.33	3	6.28	6
46	PM18105L	10	9	1.5	28	22.93	4	3.96	3	1.04	18	4.41	9
47	PM18106L	14.3	4	15.84	7	20.7	6	-8.46	21	7.12	5	11.53	2
48	QMH 1590	-17.48	58	-27.04	60	4.62	35	-34.53	56	-24.01	57	-24.71	56
49	QMH1571	-1.44	33	-5.8	44	-15.06	62	-39.21	60	-20.63	55	-23.51	55
50	Rasi 4992	-7.97	50	6.92	19	6.85	21	-5.95	14	6.22	6	7.34	3
51	Rasi 70197	2.71	21	-26.07	59	-1.97	48	-30.03	51	-12.43	50	-11.07	49
52	STARX-5	1.66	23	-8.4	48	7.15	20	-13.99	31	-7.09	40	-9.31	46
53	SUPER-4050	-0.64	30	15.5	9	4.39	36	-4.11	10	1.48	16	1.51	12
54	SYN816514	13.28	5	20.86	4	3.52	37	-4.37	11	4.38	9	2.13	10
55	TS2505	9.98	10	-12.19	51	8.83	18	-10.68	26	-7.19	41	-6.23	39
56	TS2601	-3.22	39	6.09	20	-4.78	54	-32.1	53	-12.04	49	-9.89	47
57	X5826	1.24	24	-1.12	33	12.19	13	-2.57	8	-0.16	23	-0.34	20
58	X5873	9.12	11	2.16	26	-0.72	46	-18.52	38	2.43	11	-1.8	23
59	Filler (DHM-117)	-5.98	46	-22.16	56	1.99	39	-20.53	41	-13.47	52	-18.07	54
60	BIO 9682 ©	-5.89	45	-3.45	38	-4.67	53	2.77	4	-2.7	31	0.37	17
61	CMH 08-282 ©	-5.08	42	15.63	8	-1.27	47	-15.01	32	-0.27	24	1.64	11
62	CMH 08-287 ©	7.81	12	17.5	6	-4.62	52	-15.48	33	5.89	7	5.18	7
63	NK 6240 ©	0	27	0	31	0	44	0	6	0	22	0	18

Table No. 5 (Contd.) **Moisture(%)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	15.1	16.8	11.3	16.0	15.6	14.9	32.9	20.3	28.5	29.4	27.8	18.1	22.4	21.1	30.2	22.9
2	AH 1625	15.8	16.3	11.1	14.7	17.0	15.0	26.3	19.1	27.9	29.7	25.7	19.3	21.4	18.6	27.9	22.0
3	AH 8087	14.3	16.3	11.1	16.0	14.5	14.6	27.5	20.3	28.2	30.5	26.7	19.0	22.1	17.4	28.8	21.6
4	AH 8323	16.3	16.4	12.9	17.3	14.9	15.4	27.2	18.9	28.3	27.4	25.4	16.6	21.8	17.1	31.1	21.4
5	BH416112	15.7	17.1	10.5	16.6	15.1	15.1	28.4	19.2	28.1	29.1	26.3	20.7	21.2	16.4	26.9	21.3
6	BIO 534	15.1	17.1	11.8	16.2	14.9	15.0	25.4	20.1	28.2	28.3	25.5	20.7	22.0	19.9	29.3	23.1
7	BIO 536	15.3	16.5	11.4	16.6	16.5	15.3	25.5	19.9	28.3	29.8	25.9	19.1	20.8	19.7	30.6	22.4
8	BLH135	16.4	16.8	11.2	16.5	15.6	15.3	29.5	19.8	28.4	29.9	26.9	19.6	21.6	19.0	28.5	22.0
9	BLH137	15.3	16.6	11.5	16.6	17.0	15.5	27.2	19.3	28.4	28.9	26.2	18.2	22.0	16.5	30.2	21.9
10	BRMH-16039	16.9	16.4	11.3	17.3	15.3	15.5	30.4	20.5	28.2	29.5	27.1	21.3	21.8	19.2	30.0	22.9
11	CMH14-716	16.3	16.9	11.2	15.8	15.2	15.1	29.3	19.3	28.0	29.6	26.6	19.4	21.5	18.5	28.2	22.0
12	CMH14-722	16.6	16.6	10.4	15.5	16.5	15.1	30.8	20.5	28.2	27.4	26.6	18.7	21.3	17.7	28.3	21.6
13	CP808 SUPER	15.6	17.0	11.5	16.5	14.4	15.1	30.4	19.6	28.2	29.3	26.9	18.4	22.3	20.4	22.0	20.7
14	DH-315	14.9	16.6	11.3	17.0	17.4	15.4	26.6	19.7	28.4	28.5	25.8	17.9	23.0	15.6	29.1	21.2
15	FAUJI	15.3	17.0	11.0	16.2	14.7	14.8	27.9	19.7	28.2	27.6	25.9	18.1	21.4	19.8	29.9	22.3
16	GK3124	15.5	16.5	11.4	17.3	14.1	14.9	31.5	20.1	27.9	29.5	27.2	17.9	21.6	17.5	30.4	21.9
17	GK3164	14.9	16.5	11.6	15.7	15.4	14.9	27.5	18.9	28.1	29.3	26.0	19.8	21.9	18.6	29.9	22.5
18	HKH-366	15.0	16.9	11.0	17.3	17.6	15.5	26.7	19.8	28.5	26.8	25.6	18.9	21.4	15.3	28.3	21.0
19	HT18007	15.9	17.0	11.3	16.4	15.2	15.2	31.5	20.4	28.1	27.4	26.9	18.5	22.6	18.6	29.0	22.2
20	IMHSB-17K-08	15.5	17.1	10.2	16.2	15.7	14.9	30.9	19.4	27.7	28.7	26.7	19.3	23.0	19.6	30.9	23.3
21	IMHVS-005	14.3	16.9	13.6	16.0	14.8	15.2	29.3	20.4	28.1	30.3	27.0	17.4	21.8	19.7	30.3	22.5
22	JH 15002	15.2	16.6	12.0	15.1	16.0	15.1	27.7	20.4	28.6	29.1	26.4	19.1	22.0	19.5	30.4	23.0
23	JH 16026	15.3	17.5	11.4	15.8	15.5	15.1	28.6	20.1	28.8	28.7	26.5	19.1	21.2	18.8	30.2	22.3
24	JH 16224	15.2	17.5	10.6	16.0	14.3	14.8	26.5	19.6	28.5	29.8	26.1	18.2	22.0	19.7	30.3	22.3
25	JH 17014	16.4	16.6	10.7	16.8	14.9	15.1	29.7	19.8	27.7	29.1	26.7	20.6	21.6	17.9	30.0	22.3
26	JH 17026	16.4	16.7	10.6	17.7	16.5	15.6	25.7	19.0	28.2	30.1	25.8	17.5	22.2	16.7	28.1	21.3
27	JH 17029	15.3	17.5	11.4	17.0	16.7	15.7	30.7	19.3	28.2	25.5	25.9	21.1	21.6	15.2	29.5	22.0
28	JKMH1581	16.3	16.4	10.3	17.1	15.3	15.1	28.9	19.3	26.9	28.5	26.0	17.5	22.0	16.5	29.9	21.5
29	KMH-005	17.3	16.5	11.7	16.7	17.0	15.9	26.7	19.3	28.1	28.6	25.8	20.9	22.1	20.9	28.9	23.5
30	KMH-1(CAH1612)	15.6	16.3	12.4	14.0	16.7	15.1	28.4	19.7	27.9	29.6	26.4	18.0	21.7	19.0	28.2	21.8
31	KNMH-4185	16.9	16.6	11.3	15.8	15.0	15.0	30.2	19.5	28.1	29.6	26.8	18.2	21.3	19.1	26.5	21.3
32	KNMH-4187	15.2	17.1	11.7	17.4	17.0	15.7	29.2	19.5	27.4	27.4	25.9	17.2	21.4	17.9	30.9	22.0
33	MAH-14-138	16.0	17.2	11.0	16.8	17.5	15.7	30.1	19.8	28.2	27.7	26.5	18.6	21.2	20.7	29.6	22.6
34	MAH-14-239	15.6	16.4	11.0	15.1	14.5	14.5	26.0	19.2	28.8	29.7	25.9	20.3	21.4	18.8	29.2	22.5
35	MFH18-13	.	.	10.7	15.3	17.8	.	.	.	.	29.0	.	18.7	.	18.4	.	.

Table No. 5 (Contd.) **Moisture(%)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	15.4	16.3	10.5	15.7	14.8	14.5	25.3	19.9	28.2	27.1	25.1	18.9	21.4	15.9	26.2	20.5
37	MM2033	15.5	16.4	11.5	17.6	14.7	15.1	23.4	19.5	28.1	28.1	24.7	17.5	21.7	17.2	30.2	21.7
38	MM2828	15.8	16.9	12.2	16.5	15.0	15.3	25.5	19.6	28.0	28.6	25.3	20.2	22.5	19.2	29.2	22.8
39	MM9207	15.3	16.3	12.2	16.4	14.0	14.9	28.8	19.8	27.9	29.3	26.5	18.4	22.0	18.4	26.0	21.5
40	OMH 17-2	14.3	16.6	11.7	15.5	15.0	14.5	27.2	19.1	28.5	29.3	26.1	19.6	21.5	19.6	28.5	22.4
41	PHM1801 (CAH1801)	16.8	16.4	10.9	17.1	16.3	15.5	23.3	19.5	28.2	29.5	25.0	20.7	21.9	18.4	28.0	22.2
42	PM18101L	15.8	16.5	11.5	16.7	17.2	15.6	28.8	19.6	28.9	28.5	26.5	19.1	22.3	18.3	27.0	21.9
43	PM18102L	15.2	16.7	11.1	15.5	14.6	14.6	31.1	20.0	28.3	30.4	27.4	17.3	22.4	19.6	29.8	22.5
44	PM18103L	14.3	16.3	11.5	16.9	17.5	15.3	30.8	20.5	27.2	27.2	26.4	18.8	23.4	16.8	29.3	22.3
45	PM18104L	15.2	16.6	12.2	16.0	17.4	15.5	27.0	19.7	28.7	28.5	25.9	19.0	23.6	19.0	28.6	22.3
46	PM18105L	15.7	17.1	10.2	16.4	16.5	15.3	25.4	19.6	28.6	29.3	25.9	20.5	20.8	17.6	30.4	22.2
47	PM18106L	16.5	17.1	10.7	16.9	16.6	15.5	28.0	20.6	28.2	28.8	26.4	18.3	22.3	19.8	31.2	22.8
48	QMH 1590	15.1	17.0	10.7	15.9	16.0	14.9	27.0	19.1	28.4	28.8	25.8	21.3	21.1	16.5	29.6	22.0
49	QMH1571	15.3	16.9	12.1	17.7	15.2	15.5	25.4	19.5	27.9	30.3	25.9	19.5	21.6	17.2	28.9	21.9
50	Rasi 4992	15.7	16.1	11.4	16.2	17.0	15.2	26.9	19.7	28.0	29.8	26.1	17.5	22.0	18.7	30.4	22.1
51	Rasi 70197	15.6	17.0	10.9	17.5	15.5	15.3	24.3	19.9	28.3	29.3	25.4	18.7	21.7	16.1	28.0	21.1
52	STARX-5	15.0	16.5	12.0	15.1	15.2	14.8	25.6	19.1	28.1	29.3	25.5	20.0	21.1	19.3	29.0	22.4
53	SUPER-4050	14.5	15.3	10.3	15.8	16.3	14.4	25.6	19.6	28.0	29.7	25.7	18.9	21.4	18.0	30.5	22.1
54	SYN816514	16.3	16.6	11.9	15.7	15.8	15.2	29.5	19.0	28.3	28.8	26.4	19.1	22.5	18.5	29.5	22.3
55	TS2505	15.3	16.9	10.7	16.5	16.0	15.0	28.0	19.7	27.8	28.2	25.9	17.7	22.5	17.9	29.7	21.8
56	TS2601	16.2	16.9	11.6	17.0	15.8	15.5	29.7	19.7	28.1	29.4	26.7	19.8	22.0	21.6	30.9	23.5
57	X5826	15.3	16.5	10.5	15.8	14.2	14.6	23.6	19.2	28.2	29.5	25.0	18.9	21.1	20.9	30.2	22.9
58	X5873	16.2	16.5	11.3	14.8	16.1	15.0	26.7	20.5	28.0	28.0	25.7	20.0	21.7	18.2	31.7	22.8
59	Filler (DHM-117)	17.3	16.7	10.6	15.6	14.7	14.9	28.4	19.7	28.2	27.9	26.1	17.8	22.1	18.1	27.9	21.5
60	BIO 9682 ©	15.1	16.5	10.9	15.8	17.5	15.1	29.0	19.6	27.8	29.8	26.5	16.8	21.3	18.4	31.0	21.7
61	CMH 08-282 ©	15.0	16.6	10.7	16.6	14.0	14.7	27.1	20.1	28.0	27.0	25.6	18.0	21.3	18.4	29.5	21.9
62	CMH 08-287 ©	15.8	16.6	11.2	15.3	18.4	15.4	29.9	18.7	27.9	29.3	26.4	19.0	21.9	19.9	29.9	22.6
63	NK 6240 ©	15.8	16.6	11.8	16.2	14.5	14.9	27.5	19.9	27.9	28.5	25.9	19.3	22.1	19.0	31.2	22.6
	Location Mean	15.6	16.7	11.3	16.3	15.8	15.1	27.9	19.7	28.1	28.9	26.2	18.9	21.8	18.4	29.3	22.1
	CV (%)	6.8	2.0	7.2	4.7	0.0	4.7	4.9	2.2	1.3	3.8	3.5	9.2	3.4	6.3	5.0	5.9
	F (Prob)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
	CD (5%)	1.7	0.5	1.3	1.2	0.0	0.5	2.2	0.7	0.6	1.8	0.8	2.8	1.2	1.9	2.4	1.1
	CD (1%)	2.3	0.7	1.7	1.6	0.0	0.7	2.9	0.9	0.8	2.4	1.0	3.7	1.6	2.5	3.1	1.4

Table No. 5 (Contd.) **Moisture(%)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	18.8	12.7	23.2	19.0	14.7	19.2	13.6	18.0	16.5	17.2	19.6
2	AH 1625	19.2	10.5	20.4	17.9	13.7	16.4	13.4	17.3	16.8	16.2	18.7
3	AH 8087	18.3	9.8	20.6	18.8	17.8	18.5	12.3	19.2	17.4	16.9	19.0
4	AH 8323	19.0	11.8	21.7	17.5	15.6	16.2	11.0	16.9	15.6	16.3	18.7
5	BH416112	16.4	9.9	20.2	18.3	13.3	16.3	13.2	18.5	16.9	15.8	18.6
6	BIO 534	18.9	13.8	22.6	16.3	13.8	19.6	13.2	18.4	19.0	17.4	19.3
7	BIO 536	17.6	15.4	19.9	17.5	18.9	17.5	12.4	18.0	16.4	17.0	19.2
8	BLH135	17.5	9.8	22.5	17.9	16.3	16.7	12.8	17.8	17.1	16.5	19.1
9	BLH137	18.6	9.4	20.8	19.3	16.2	15.7	14.2	18.3	18.1	16.7	19.1
10	BRMH-16039	16.3	14.1	22.1	19.1	17.2	17.5	12.0	17.3	16.0	16.8	19.5
11	CMH14-716	19.4	11.5	22.1	18.6	14.6	16.9	12.2	17.6	16.1	16.5	19.0
12	CMH14-722	17.5	10.9	21.7	16.9	17.7	17.5	12.3	18.8	17.3	16.8	19.0
13	CP808 SUPER	17.3	10.4	23.3	17.7	15.6	17.5	13.1	18.5	17.2	16.6	18.9
14	DH-315	17.5	8.5	20.7	18.4	14.4	16.7	11.0	17.7	15.4	15.5	18.4
15	FAUJI	18.1	9.0	21.4	19.6	17.0	17.2	12.0	16.4	17.3	16.6	19.0
16	GK3124	17.5	12.6	19.2	17.4	16.3	17.3	13.2	18.0	17.4	16.6	19.1
17	GK3164	18.7	11.1	19.8	17.9	15.8	16.9	12.4	18.0	16.0	16.2	18.9
18	HKH-366	17.2	7.5	20.1	16.1	12.0	15.6	12.1	18.6	15.7	15.0	18.1
19	HT18007	17.3	13.4	24.2	20.9	12.9	17.4	13.9	18.0	17.6	17.3	19.5
20	IMHSB-17K-08	16.6	10.2	24.9	19.1	16.6	16.3	13.0	18.9	17.3	17.0	19.4
21	IMHVS-005	18.1	8.5	23.3	20.3	14.5	17.5	13.0	18.0	17.5	16.7	19.3
22	JH 15002	17.3	11.8	22.1	19.1	13.6	17.1	12.2	19.2	15.7	16.4	19.1
23	JH 16026	17.5	11.3	20.6	18.2	13.2	15.4	12.0	17.4	17.5	15.9	18.8
24	JH 16224	17.3	10.4	21.4	19.8	13.8	16.1	12.1	19.5	18.6	16.5	18.9
25	JH 17014	16.8	12.2	19.1	15.4	14.4	16.7	13.2	18.2	16.6	15.9	18.9
26	JH 17026	17.3	8.6	20.8	15.8	12.8	16.1	12.2	17.6	15.8	15.2	18.3
27	JH 17029	18.1	11.8	21.1	16.5	15.3	15.9	12.4	18.1	16.0	16.1	18.9
28	JKMH1581	17.8	10.4	19.5	16.3	12.6	15.7	.	17.8	16.8	.	.
29	KMH-005	19.2	9.7	21.5	16.3	13.6	17.1	12.4	18.2	16.5	16.0	19.1
30	KMH-1(CAH1612)	17.4	11.1	20.7	17.6	15.2	16.8	13.8	19.0	16.8	16.4	18.9
31	KNMH-4185	17.4	10.6	21.8	16.4	14.1	16.3	12.9	19.4	15.2	16.1	18.7
32	KNMH-4187	17.2	10.1	19.5	18.1	15.2	16.8	13.2	17.0	15.8	15.9	18.8
33	MAH-14-138	17.6	10.7	20.1	18.2	16.1	16.4	12.1	18.0	16.1	16.1	19.1
34	MAH-14-239	17.2	11.8	17.6	17.6	13.6	17.3	12.0	18.1	15.4	15.6	18.5
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Moisture(%)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	16.1	7.9	14.7	16.3	12.6	15.5	13.1	17.6	15.7	14.4	17.5
37	MM2033	20.0	11.4	21.8	16.8	13.7	17.3	13.2	17.7	17.6	16.6	18.6
38	MM2828	18.6	14.0	20.4	18.0	14.4	18.3	13.0	17.2	17.9	16.8	19.1
39	MM9207	17.7	13.5	21.8	18.8	15.2	17.6	12.9	19.9	16.7	17.1	19.1
40	OMH 17-2	17.2	11.0	19.8	16.9	13.0	16.8	13.0	18.2	15.4	15.8	18.6
41	PHM1801 (CAH1801)	16.9	12.3	21.5	18.0	13.2	17.2	12.9	17.1	16.8	16.2	18.7
42	PM18101L	19.5	11.9	20.9	18.1	13.2	16.9	12.4	17.6	15.7	16.1	18.9
43	PM18102L	19.5	8.6	22.9	17.9	13.9	16.8	12.2	19.6	15.7	16.3	19.1
44	PM18103L	18.8	10.8	22.3	19.8	13.3	16.7	12.9	19.0	16.7	16.8	19.2
45	PM18104L	18.4	13.8	22.4	18.4	15.0	16.9	12.4	18.1	17.0	16.9	19.2
46	PM18105L	18.7	10.4	22.6	16.5	16.7	15.9	13.1	18.2	17.3	16.5	19.0
47	PM18106L	17.2	11.9	21.1	19.8	15.9	16.5	11.0	17.4	16.0	16.5	19.2
48	QMH 1590	17.2	10.8	20.0	17.3	16.4	16.0	13.8	16.8	17.4	16.3	18.8
49	QMH1571	17.3	11.4	19.1	17.8	16.0	15.9	13.0	17.6	16.0	15.9	18.7
50	Rasi 4992	19.4	12.4	22.4	19.6	12.2	17.5	13.2	18.3	17.8	16.9	19.1
51	Rasi 70197	18.0	11.9	20.3	16.4	13.6	16.7	13.9	17.7	14.8	16.0	18.5
52	STARX-5	17.6	10.1	21.2	18.3	15.0	16.7	12.1	17.9	15.6	16.0	18.6
53	SUPER-4050	18.5	8.9	20.6	15.8	15.0	16.2	12.4	17.8	15.7	15.7	18.4
54	SYN816514	20.1	11.8	20.8	18.4	14.8	17.3	12.4	17.4	16.2	16.6	19.1
55	TS2505	18.2	9.2	20.9	15.9	15.8	17.6	13.1	17.4	17.2	16.2	18.7
56	TS2601	17.9	9.5	20.5	16.6	15.4	17.5	12.3	20.3	16.6	16.3	19.3
57	X5826	17.5	9.3	19.0	17.9	16.4	17.9	12.2	18.1	15.4	15.9	18.5
58	X5873	18.2	10.9	22.1	19.9	16.0	17.4	12.4	18.7	19.2	17.2	19.2
59	Filler (DHM-117)	17.4	9.6	21.6	17.1	15.1	16.9	13.5	17.3	16.0	16.1	18.7
60	BIO 9682 ©	19.4	10.8	21.6	18.8	12.8	16.2	13.1	17.7	16.1	16.3	18.9
61	CMH 08-282 ©	17.0	9.8	19.5	18.3	14.6	16.5	12.2	17.4	17.7	15.8	18.4
62	CMH 08-287 ©	18.0	13.3	21.7	17.3	13.6	16.4	12.3	17.6	15.7	16.2	19.0
63	NK 6240 ©	17.6	8.1	19.6	17.7	16.3	16.7	12.1	18.4	17.2	15.9	18.7
	Location Mean	17.9	10.9	21.0	17.9	14.8	16.9	12.7	18.1	16.6	16.3	18.9
	CV (%)	4.2	9.3	7.4	5.2	8.7	2.2	0.0	5.7	6.1	6.1	5.3
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.2	1.7	2.5	1.5	2.1	0.6	0.0	1.7	1.6	0.6	0.4
	CD (1%)	1.6	2.2	3.3	2.0	2.8	0.8	0.0	2.2	2.2	0.7	0.5

Table No. 5 (Contd.) **Shelling(%)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	78	76	85	76	82	79	85	80	85	79	82	84	78	89	92	85
2	AH 1625	79	74	84	76	80	79	76	80	83	79	80	86	78	80	84	82
3	AH 8087	78	75	80	80	81	79	80	80	85	80	81	82	79	79	86	82
4	AH 8323	77	76	85	85	82	81	80	80	87	78	81	82	79	82	87	83
5	BH416112	77	78	79	81	82	80	73	80	82	84	80	86	79	79	81	82
6	BIO 534	77	74	84	86	82	81	80	80	85	78	81	83	79	83	86	83
7	BIO 536	76	76	80	78	82	78	80	80	85	82	82	86	79	84	88	84
8	BLH135	77	75	84	76	81	79	79	80	86	81	81	79	78	81	83	81
9	BLH137	77	76	80	70	82	77	77	80	81	81	80	84	80	80	86	83
10	BRMH-16039	77	76	77	83	80	79	64	80	78	80	76	83	79	77	85	82
11	CMH14-716	77	77	80	79	82	79	77	80	85	80	80	84	78	81	85	82
12	CMH14-722	77	77	78	76	82	78	74	80	82	80	79	84	78	76	86	81
13	CP808 SUPER	79	76	78	78	83	79	76	80	84	79	80	83	80	80	82	81
14	DH-315	77	76	76	87	81	79	74	80	84	74	78	79	77	74	86	79
15	FAUJI	77	76	80	88	81	81	76	80	86	80	81	83	79	81	85	82
16	GK3124	77	74	84	77	81	79	81	80	87	79	82	85	77	86	84	83
17	GK3164	77	75	82	81	83	80	77	80	86	81	81	84	78	85	88	84
18	HKH-366	78	77	83	80	79	80	76	80	81	75	78	83	80	78	85	81
19	HT18007	79	79	86	74	83	80	80	80	87	81	82	84	78	79	84	82
20	IMHSB-17K-08	76	76	76	80	80	78	77	80	84	83	81	83	78	81	86	82
21	IMHVS-005	78	76	84	77	81	80	80	80	88	77	81	83	79	83	89	83
22	JH 15002	78	75	74	71	80	76	70	80	79	81	78	83	78	76	79	79
23	JH 16026	77	71	82	73	84	78	77	80	83	79	80	82	79	82	90	83
24	JH 16224	77	76	79	76	81	78	79	80	84	82	81	77	79	80	87	81
25	JH 17014	76	76	80	83	80	79	72	80	82	77	78	84	77	77	83	80
26	JH 17026	78	74	76	78	81	78	74	80	82	77	78	86	78	79	84	81
27	JH 17029	76	75	82	86	80	80	75	80	83	81	80	86	79	80	84	82
28	JKMH1581	78	76	74	86	80	79	78	80	84	82	81	83	79	84	86	83
29	KMH-005	77	77	82	82	82	80	75	80	83	83	80	87	79	83	86	83
30	KMH-1(CAH1612)	78	75	84	86	83	81	75	80	81	82	79	83	79	77	83	81
31	KNMH-4185	78	75	82	69	79	76	78	80	85	77	80	84	78	83	83	82
32	KNMH-4187	77	77	82	85	81	80	76	80	85	80	80	85	80	84	83	83
33	MAH-14-138	77	76	83	77	81	80	74	80	83	84	80	84	77	78	87	82
34	MAH-14-239	78	76	79	79	80	78	70	80	82	83	79	83	79	77	85	81
35	MFH18-13	.	.	67	85	79	.	.	80	83	82	.	80	.	86	.	.

Table No. 5 (Contd.) **Shelling(%)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	78	75	80	66	80	76	79	80	82	76	79	86	77	83	85	83
37	MM2033	78	75	77	80	83	78	78	80	84	80	80	83	79	83	84	82
38	MM2828	77	77	82	81	80	80	75	80	84	79	80	84	78	79	88	82
39	MM9207	76	76	82	73	82	78	78	80	86	84	82	83	79	84	88	84
40	OMH 17-2	76	70	78	80	83	78	76	80	83	79	80	81	78	78	86	81
41	PHM1801 (CAH1801)	78	75	80	83	82	80	75	80	82	79	79	85	79	80	86	82
42	PM18101L	80	76	85	82	82	81	81	80	88	75	81	89	79	84	91	86
43	PM18102L	78	79	83	81	82	80	79	80	87	73	80	87	78	82	85	84
44	PM18103L	78	76	83	81	81	80	75	80	85	78	80	84	79	75	83	80
45	PM18104L	75	75	82	82	83	80	76	80	85	81	81	83	79	79	86	82
46	PM18105L	78	76	81	82	82	80	79	80	87	77	81	81	78	84	88	83
47	PM18106L	78	77	83	98	81	83	78	80	86	79	81	82	79	83	88	83
48	QMH 1590	77	75	80	84	80	80	77	80	83	83	81	82	78	81	83	81
49	QMH1571	77	77	85	88	80	82	77	80	84	76	79	85	79	80	85	82
50	Rasi 4992	76	76	82	87	82	81	75	80	85	82	81	84	79	81	83	82
51	Rasi 70197	78	77	79	77	80	78	72	80	81	81	79	83	79	81	88	83
52	STARX-5	78	76	86	80	81	80	80	80	85	80	81	83	79	81	85	82
53	SUPER-4050	77	76	84	82	82	80	79	80	86	76	81	84	79	82	87	83
54	SYN816514	77	76	82	94	82	82	73	80	82	82	79	83	79	81	85	82
55	TS2505	77	76	81	80	80	78	73	80	84	77	79	82	78	82	87	82
56	TS2601	78	76	82	86	79	80	75	80	82	82	79	83	78	76	82	80
57	X5826	77	76	82	76	84	80	81	80	87	76	81	86	79	84	86	84
58	X5873	78	73	78	73	81	77	77	80	84	82	81	83	79	80	87	82
59	Filler (DHM-117)	78	76	77	84	80	79	70	80	82	79	78	83	79	78	80	79
60	BIO 9682 ©	77	75	79	75	82	78	75	80	85	78	80	83	79	77	87	81
61	CMH 08-282 ©	77	77	82	90	82	82	76	80	84	80	80	79	78	81	86	82
62	CMH 08-287 ©	77	70	82	94	82	81	78	80	82	74	78	83	77	78	88	82
63	NK 6240 ©	78	76	83	83	84	80	73	80	84	81	80	83	79	81	89	83
	Location Mean	77	76	81	81	81	79	76	80	84	80	80	83	79	81	86	82
	CV (%)	1.8	1.9	5.2	7.1	0.0	4.2	0.0	0.0	1.3	3.4	1.7	3.8	1.6	2.6	2.7	2.8
	F (Prob)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	.	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0
	CD (5%)	2.2	2.4	6.8	9.3	0.0	2.4	0.0	0.0	1.7	4.3	1.1	5.1	2.0	3.4	3.7	1.9
	CD (1%)	3.0	3.1	8.9	12.3	0.0	3.1	0.0	0.0	2.3	5.8	1.5	6.7	2.6	4.4	4.9	2.4

Table No. 5 (Contd.) **Shelling(%)**

S. No.	Entry Name	PZ										All India
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	79	90	82	84	82	82	86	86	82	84	83
2	AH 1625	82	84	80	81	80	82	84	83	81	82	81
3	AH 8087	79	85	74	82	86	82	83	82	80	82	81
4	AH 8323	80	87	80	82	77	84	78	84	83	82	82
5	BH416112	78	84	80	79	79	82	84	81	80	81	80
6	BIO 534	80	88	82	82	89	82	89	84	81	84	82
7	BIO 536	79	87	76	82	92	81	88	84	82	84	82
8	BLH135	80	86	81	82	79	83	88	85	81	83	81
9	BLH137	78	81	79	79	88	80	88	82	80	82	80
10	BRMH-16039	77	80	72	78	70	80	80	78	79	77	78
11	CMH14-716	79	85	82	82	86	82	83	82	83	83	81
12	CMH14-722	78	84	77	78	77	83	82	79	81	80	79
13	CP808 SUPER	79	83	82	80	88	81	80	82	81	82	81
14	DH-315	79	83	82	79	83	81	80	78	79	80	80
15	FAUJI	80	86	84	82	79	82	86	84	80	82	82
16	GK3124	81	89	85	82	83	80	88	86	82	84	82
17	GK3164	80	89	81	82	76	82	85	85	81	82	82
18	HKH-366	76	81	74	78	73	80	82	79	80	78	79
19	HT18007	81	88	81	82	81	83	87	84	83	83	82
20	IMHSB-17K-08	79	85	78	80	82	83	86	82	80	82	81
21	IMHVS-005	79	90	80	82	83	83	88	84	81	83	82
22	JH 15002	78	82	78	78	77	79	81	78	78	79	78
23	JH 16026	80	85	84	82	91	82	78	82	80	83	81
24	JH 16224	80	86	77	80	85	83	85	81	81	82	81
25	JH 17014	79	85	79	79	80	82	83	82	81	81	80
26	JH 17026	79	85	83	81	78	84	84	81	80	82	80
27	JH 17029	78	85	80	81	85	83	85	83	80	82	81
28	JKMH1581	79	86	82	82	81	83	.	82	81	.	.
29	KMH-005	79	85	74	81	81	82	83	83	80	81	81
30	KMH-1(CAH1612)	80	81	79	81	78	81	84	83	81	81	81
31	KNMH-4185	79	86	81	82	79	82	79	82	80	81	80
32	KNMH-4187	79	86	80	82	74	83	86	83	82	82	81
33	MAH-14-138	79	83	79	81	75	81	82	79	79	80	80
34	MAH-14-239	78	85	80	79	75	81	78	78	80	79	79
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Shelling(%)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	78	85	81	81	77	82	86	82	80	82	80
37	MM2033	78	83	78	83	74	82	87	76	81	80	80
38	MM2828	80	84	80	81	80	80	84	80	81	81	81
39	MM9207	80	87	81	81	84	82	86	84	81	83	82
40	OMH 17-2	80	84	76	81	80	83	83	83	82	81	80
41	PHM1801 (CAH1801)	79	84	79	80	83	82	80	82	80	81	81
42	PM18101L	79	90	82	82	83	82	80	84	82	83	83
43	PM18102L	79	88	82	80	79	82	80	85	83	82	81
44	PM18103L	81	87	82	82	72	83	85	83	83	82	81
45	PM18104L	80	85	82	81	82	81	88	85	82	83	81
46	PM18105L	80	86	80	81	86	82	88	83	82	83	82
47	PM18106L	79	85	81	82	80	82	85	83	82	82	82
48	QMH 1590	78	84	80	81	78	82	86	81	80	81	81
49	QMH1571	78	85	78	81	83	82	86	83	82	82	82
50	Rasi 4992	79	85	79	82	86	82	88	81	82	83	82
51	Rasi 70197	78	83	78	79	77	83	81	79	79	80	80
52	STARX-5	80	88	81	82	86	82	87	84	81	83	82
53	SUPER-4050	80	89	85	81	83	84	89	82	81	84	82
54	SYN816514	81	84	81	81	71	81	83	82	80	80	81
55	TS2505	79	86	82	82	77	83	83	83	80	82	80
56	TS2601	77	82	75	81	72	81	83	78	79	79	79
57	X5826	80	87	83	81	88	83	85	84	82	84	82
58	X5873	79	85	79	83	87	83	87	82	81	83	81
59	Filler (DHM-117)	78	82	78	76	73	80	80	78	79	78	79
60	BIO 9682 ©	78	83	79	80	85	83	84	81	82	81	80
61	CMH 08-282 ©	79	86	81	80	81	83	85	82	81	82	81
62	CMH 08-287 ©	79	83	83	81	77	82	80	81	80	81	80
63	NK 6240 ©	79	85	82	83	91	83	85	81	81	83	82
	Location Mean	79	85	80	81	81	82	84	82	81	82	81
	CV (%)	1.1	0.8	4.3	1.1	0.0	1.3	0.0	2.9	0.8	1.9	2.7
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.3	1.1	5.6	1.5	0.0	1.7	0.0	3.9	1.0	0.9	0.8
	CD (1%)	1.8	1.4	7.4	1.9	0.0	2.3	0.0	5.1	1.4	1.1	1.0

Table No. 5 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	57	52	64	50	61	57	61	52	51	54	55	49	54	56	55	53
2	AH 1625	53	50	63	49	58	55	55	53	49	55	53	50	51	54	54	52
3	AH 8087	53	52	65	54	60	57	55	54	51	53	54	50	52	55	54	53
4	AH 8323	51	51	63	48	57	54	58	52	49	53	53	50	52	52	54	52
5	BH416112	52	51	61	52	58	55	56	52	49	55	53	51	51	53	53	52
6	BIO 534	55	51	63	48	60	55	58	52	50	53	53	50	53	54	55	53
7	BIO 536	55	51	63	48	59	55	58	52	52	54	54	51	51	54	53	52
8	BLH135	56	52	64	48	58	56	57	51	50	54	53	50	54	56	54	53
9	BLH137	56	54	65	50	58	57	56	54	51	53	54	50	54	57	54	54
10	BRMH-16039	55	51	62	51	58	55	60	54	52	54	55	48	51	53	54	52
11	CMH14-716	55	52	63	48	60	56	57	52	50	54	53	50	51	54	54	52
12	CMH14-722	53	53	64	50	59	56	58	53	50	53	53	51	50	53	55	53
13	CP808 SUPER	57	53	64	51	58	56	60	54	51	54	55	52	53	55	57	54
14	DH-315	56	54	63	54	59	57	59	53	51	57	55	53	55	55	56	54
15	FAUJI	54	51	64	49	58	55	56	52	50	54	53	49	52	55	54	52
16	GK3124	54	51	62	46	59	55	56	51	50	56	53	52	51	55	54	53
17	GK3164	53	52	63	52	57	55	56	51	51	55	53	50	51	53	53	52
18	HKH-366	54	51	64	52	59	56	56	51	52	53	53	51	51	52	53	52
19	HT18007	56	51	64	57	58	57	56	53	50	53	53	49	53	56	54	53
20	IMHSB-17K-08	58	54	65	49	58	57	59	55	51	54	55	50	57	56	57	55
21	IMHVS-005	56	55	63	48	61	57	58	55	52	55	55	51	53	58	57	55
22	JH 15002	57	54	64	48	60	57	57	54	53	55	55	51	53	56	55	54
23	JH 16026	55	52	61	47	55	54	55	51	50	54	53	50	50	56	54	52
24	JH 16224	55	52	62	51	58	55	56	52	50	54	53	52	54	56	54	54
25	JH 17014	52	51	61	52	56	55	55	51	51	53	53	51	52	52	54	52
26	JH 17026	52	52	62	48	58	54	54	51	50	55	53	51	52	54	52	52
27	JH 17029	53	50	62	49	58	55	55	52	52	55	53	50	51	54	54	52
28	JKMH1581	56	55	65	47	59	56	57	55	51	55	54	51	54	56	56	54
29	KMH-005	57	54	64	52	60	57	59	56	50	53	54	50	53	53	56	53
30	KMH-1(CAH1612)	55	54	64	50	57	56	56	52	52	54	54	52	53	56	55	54
31	KNMH-4185	57	52	64	52	58	57	56	54	50	55	54	51	52	55	55	53
32	KNMH-4187	51	53	61	51	58	55	56	51	50	54	53	48	51	53	54	52
33	MAH-14-138	50	51	62	48	60	54	57	50	50	56	53	51	50	52	54	52
34	MAH-14-239	49	50	61	49	60	54	54	51	49	56	53	48	51	53	54	51
35	MFH18-13	.	.	64	47	59	.	.	.	59	56	.	50	.	56	.	.

Table No. 5 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	53	51	62	50	60	55	56	51	52	53	53	49	48	53	54	51
37	MM2033	56	51	64	47	58	55	57	52	50	53	53	51	53	55	55	54
38	MM2828	55	53	63	51	58	56	57	52	50	54	53	51	55	55	56	54
39	MM9207	54	52	63	45	59	55	56	52	50	54	53	50	52	54	54	53
40	OMH 17-2	57	53	65	49	59	57	59	54	51	54	54	52	53	57	54	54
41	PHM1801 (CAH1801)	56	53	62	52	60	56	56	52	50	55	53	49	51	56	54	53
42	PM18101L	55	53	62	50	60	56	58	56	51	55	54	50	55	57	55	54
43	PM18102L	56	54	65	49	59	57	59	58	51	54	55	50	55	58	56	55
44	PM18103L	59	56	65	50	59	58	62	57	53	54	56	53	58	57	56	56
45	PM18104L	57	55	65	49	60	57	61	58	52	55	56	49	56	58	55	55
46	PM18105L	52	51	62	51	59	55	56	52	50	54	53	50	50	53	55	52
47	PM18106L	54	54	64	52	57	56	55	54	50	55	54	50	54	55	55	53
48	QMH 1590	48	51	62	48	59	54	54	52	50	53	52	48	47	51	56	50
49	QMH1571	53	52	64	45	58	54	55	51	51	53	53	52	51	54	56	53
50	Rasi 4992	53	52	63	52	57	55	58	51	51	53	53	49	53	55	56	53
51	Rasi 70197	54	52	60	48	57	54	54	51	50	55	52	52	49	49	54	51
52	STARX-5	53	51	62	48	60	55	55	51	50	57	53	49	49	52	54	51
53	SUPER-4050	51	52	62	46	58	54	54	51	50	55	53	47	48	52	53	50
54	SYN816514	59	55	64	53	60	59	61	53	51	54	55	52	54	55	55	54
55	TS2505	55	53	62	51	58	56	57	51	50	55	53	50	53	53	57	53
56	TS2601	58	55	64	53	59	58	58	53	53	53	54	51	54	57	57	55
57	X5826	51	51	64	52	58	55	57	51	50	55	53	49	50	52	54	51
58	X5873	56	52	64	50	58	56	56	52	50	53	53	49	52	53	54	52
59	Filler (DHM-117)	56	52	65	52	58	57	58	54	52	54	55	51	53	58	57	55
60	BIO 9682 ©	54	52	63	52	60	56	59	52	51	55	54	50	51	54	56	53
61	CMH 08-282 ©	53	51	62	49	58	54	56	51	49	54	53	51	51	51	53	51
62	CMH 08-287 ©	57	53	64	48	58	56	57	51	50	54	53	49	53	56	56	54
63	NK 6240 ©	53	53	63	51	59	56	56	52	51	54	54	50	53	54	53	52
	Location Mean	54	52	63	50	59	56	57	53	51	54	54	50	52	54	55	53
	CV (%)	2.5	3.6	1.3	6.8	3.4	3.7	2.6	2.8	2.4	2.8	2.7	3.6	2.8	2.7	2.7	2.9
	F (Prob)	0.0	0.0	0.0	0.3	0.5	1.0	0.0	0.0	0.0	0.4	1.0	0.1	0.0	0.0	0.0	1.0
	CD (5%)	2.2	3.1	1.3	5.5	3.2	1.6	2.4	2.4	1.9	2.5	1.2	2.9	2.3	2.4	2.4	1.3
	CD (1%)	2.9	4.1	1.8	7.3	4.3	2.1	3.2	3.1	2.6	3.3	1.6	3.8	3.1	3.2	3.1	1.7

Table No. 5 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	58	64	61	61	60	57	56	58	52	58	56
2	AH 1625	56	62	61	61	60	57	54	55	50	58	55
3	AH 8087	58	64	61	63	61	58	56	56	51	59	56
4	AH 8323	56	62	60	60	62	55	54	55	51	57	55
5	BH416112	56	63	60	59	59	56	54	56	50	57	55
6	BIO 534	56	64	59	59	61	59	55	56	52	58	56
7	BIO 536	58	64	61	60	62	58	56	56	53	59	56
8	BLH135	57	63	61	61	60	58	56	56	53	58	56
9	BLH137	57	64	62	61	62	60	55	57	51	59	57
10	BRMH-16039	57	62	58	58	60	55	54	55	50	57	55
11	CMH14-716	57	64	59	59	62	58	55	56	50	58	55
12	CMH14-722	57	63	61	60	59	57	54	55	51	58	55
13	CP808 SUPER	55	64	61	63	59	58	56	56	51	58	56
14	DH-315	57	64	60	62	61	59	55	57	52	58	57
15	FAUJI	55	64	62	60	58	58	56	55	52	58	55
16	GK3124	57	62	57	59	61	58	55	55	51	57	55
17	GK3164	56	60	58	60	62	55	56	55	51	57	55
18	HKH-366	55	65	62	61	60	58	55	56	50	58	56
19	HT18007	57	65	62	61	60	58	57	56	51	58	56
20	IMHSB-17K-08	59	63	62	61	63	60	58	59	52	60	57
21	IMHVS-005	57	64	62	62	62	58	56	56	51	59	57
22	JH 15002	58	65	63	62	63	60	57	57	52	60	57
23	JH 16026	55	62	60	59	60	56	53	55	51	57	54
24	JH 16224	58	63	62	61	60	58	54	57	51	58	56
25	JH 17014	55	62	58	59	62	56	53	55	49	57	55
26	JH 17026	56	62	60	59	59	57	54	57	50	57	55
27	JH 17029	55	63	59	59	59	57	52	56	52	57	55
28	JKMH1581	56	63	62	62	60	59	57	57	50	59	56
29	KMH-005	58	64	62	60	61	60	57	58	52	59	57
30	KMH-1(CAH1612)	58	64	60	60	59	59	56	56	51	58	56
31	KNMH-4185	56	64	62	62	61	59	56	58	52	59	56
32	KNMH-4187	56	63	58	59	58	55	54	54	51	56	55
33	MAH-14-138	56	63	60	59	60	55	53	55	50	57	55
34	MAH-14-239	55	62	58	59	64	55	53	55	49	57	54
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	56	63	56	58	59	57	54	55	51	57	55
37	MM2033	55	64	61	60	62	59	57	58	51	59	56
38	MM2828	56	63	60	60	62	58	54	56	51	58	56
39	MM9207	55	62	60	60	62	58	55	56	51	58	55
40	OMH 17-2	56	63	61	62	61	60	56	59	51	59	57
41	PHM1801 (CAH1801)	56	63	61	60	62	59	53	57	51	58	56
42	PM18101L	55	63	60	60	62	57	57	56	50	58	56
43	PM18102L	58	65	62	61	61	59	58	56	52	59	57
44	PM18103L	58	63	63	61	61	58	58	57	51	59	58
45	PM18104L	58	63	63	62	63	59	57	57	53	60	58
46	PM18105L	56	62	61	60	58	56	54	55	50	57	55
47	PM18106L	57	64	62	62	61	59	56	59	51	59	56
48	QMH 1590	56	62	61	61	59	57	53	55	50	57	54
49	QMH1571	57	62	61	61	62	58	53	56	50	58	55
50	Rasi 4992	56	63	61	60	63	57	54	57	52	58	56
51	Rasi 70197	55	62	59	58	62	57	53	56	50	57	54
52	STARX-5	56	62	58	61	62	56	56	55	50	57	55
53	SUPER-4050	55	64	58	59	59	58	54	56	51	57	54
54	SYN816514	58	64	63	62	62	60	56	58	52	59	57
55	TS2505	57	64	62	60	61	58	54	58	52	59	56
56	TS2601	59	64	61	60	63	60	57	59	53	59	57
57	X5826	56	62	61	60	60	58	54	56	49	58	55
58	X5873	56	64	59	59	59	57	55	57	51	57	55
59	Filler (DHM-117)	56	64	62	61	62	58	56	57	52	59	57
60	BIO 9682 ©	55	64	60	60	62	57	53	57	49	58	56
61	CMH 08-282 ©	56	62	59	59	61	55	54	55	50	57	54
62	CMH 08-287 ©	57	65	61	61	59	57	55	57	51	58	56
63	NK 6240 ©	55	63	58	59	62	57	53	57	50	57	55
	Location Mean	56	63	60	60	61	58	55	56	51	58	56
	CV (%)	2.2	1.6	2.8	1.8	3.8	1.7	2.3	2.0	2.5	2.4	2.9
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.0	1.0
	CD (5%)	2.0	1.6	2.7	1.8	3.7	1.6	2.0	1.8	2.1	0.8	0.6
	CD (1%)	2.6	2.1	3.6	2.4	4.9	2.1	2.7	2.4	2.7	1.0	0.8

Table No. 5 (Contd.) **Days to 50 % silking**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	60	55	65	53	64	59	63	55	56	59	58	51	56	57	58	55
2	AH 1625	57	53	63	51	60	57	56	56	54	60	56	52	53	56	56	54
3	AH 8087	56	55	66	57	62	59	56	57	55	58	57	52	54	57	57	55
4	AH 8323	54	54	64	51	60	57	59	54	52	57	56	52	54	54	57	54
5	BH416112	55	53	61	55	61	57	57	55	54	60	56	53	52	54	56	54
6	BIO 534	58	53	64	52	63	58	59	55	54	58	56	53	54	55	58	55
7	BIO 536	57	55	65	51	62	58	59	55	56	59	57	53	53	56	56	55
8	BLH135	59	55	66	50	61	58	59	55	55	59	57	52	55	57	57	55
9	BLH137	59	57	65	53	61	59	57	56	57	58	57	52	55	57	56	56
10	BRMH-16039	58	54	64	54	61	58	63	57	57	58	59	50	53	55	56	54
11	CMH14-716	57	55	65	50	63	58	59	55	54	59	57	52	53	56	57	54
12	CMH14-722	57	56	65	52	62	59	60	56	54	58	57	53	52	55	59	55
13	CP808 SUPER	59	57	65	53	61	59	61	56	55	59	58	55	55	57	59	56
14	DH-315	59	57	64	57	62	59	61	55	52	62	57	54	57	56	58	56
15	FAUJI	57	54	65	52	60	57	57	55	54	59	57	51	54	57	56	54
16	GK3124	57	54	64	49	61	57	57	54	54	61	57	54	53	56	57	55
17	GK3164	56	55	64	54	59	57	57	54	55	59	56	51	53	55	56	54
18	HKH-366	57	54	65	54	63	59	57	54	56	58	57	53	53	54	55	54
19	HT18007	59	54	66	59	60	60	58	56	54	57	57	52	55	57	57	55
20	IMHSB-17K-08	60	58	66	52	61	59	61	59	55	59	59	52	58	57	60	57
21	IMHVS-005	59	58	65	51	64	59	60	58	57	60	59	53	56	59	60	57
22	JH 15002	60	58	66	52	62	59	58	57	57	59	57	53	56	58	58	56
23	JH 16026	58	55	61	49	57	56	56	54	54	59	56	53	52	57	56	55
24	JH 16224	58	55	63	53	59	58	58	55	54	59	56	55	56	58	57	56
25	JH 17014	56	54	62	55	59	57	57	54	55	57	56	53	53	54	57	54
26	JH 17026	55	55	62	51	60	57	55	54	54	60	56	53	54	55	55	54
27	JH 17029	55	53	62	51	61	57	56	55	56	60	56	52	52	55	58	54
28	JKMH1581	59	58	66	50	62	59	59	58	54	59	58	54	56	57	58	56
29	KMH-005	59	58	65	55	63	60	59	58	54	57	57	53	55	54	58	55
30	KMH-1(CAH1612)	58	57	65	52	59	58	57	55	56	59	57	54	55	58	58	56
31	KNMH-4185	60	55	65	55	61	59	58	56	54	60	57	54	55	56	57	55
32	KNMH-4187	54	56	62	54	61	57	58	54	54	59	56	50	53	55	57	54
33	MAH-14-138	53	55	62	51	63	57	58	53	54	61	57	53	52	54	57	54
34	MAH-14-239	53	53	63	52	63	57	55	54	53	61	56	50	52	54	56	53
35	MFH18-13	.	.	65	50	61	.	.	.	.	61	.	52	.	58	.	.

Table No. 5 (Contd.) **Days to 50 % silking**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	56	54	64	52	63	58	58	54	56	58	57	51	50	55	56	53
37	MM2033	59	54	65	49	60	58	59	55	54	58	57	53	55	57	58	56
38	MM2828	58	56	64	54	60	58	59	55	54	59	56	54	56	56	58	56
39	MM9207	56	55	65	47	61	57	58	55	54	58	56	53	54	56	57	55
40	OMH 17-2	59	55	66	51	61	59	61	55	55	59	58	54	55	59	57	56
41	PHM1801 (CAH1801)	58	56	64	55	62	59	57	54	54	60	56	51	53	58	57	55
42	PM18101L	57	56	63	52	63	58	59	58	55	60	58	53	57	58	57	56
43	PM18102L	59	57	65	51	62	59	61	60	55	59	59	52	57	59	58	57
44	PM18103L	61	59	66	53	62	60	64	60	56	58	60	55	60	59	58	58
45	PM18104L	60	58	66	51	63	60	63	61	55	60	60	51	58	59	57	56
46	PM18105L	55	54	64	54	62	58	57	54	54	59	56	52	52	54	57	54
47	PM18106L	57	57	64	54	60	58	56	57	54	60	57	53	57	57	58	56
48	QMH 1590	52	54	64	51	62	56	56	55	54	58	56	50	49	52	58	52
49	QMH1571	55	55	66	48	61	57	58	54	55	58	56	54	53	56	58	55
50	Rasi 4992	56	55	64	55	60	58	59	54	56	58	57	51	55	56	59	56
51	Rasi 70197	57	55	61	51	60	57	55	53	54	60	55	55	51	51	56	53
52	STARX-5	57	54	63	51	63	57	57	54	54	61	57	51	52	54	57	53
53	SUPER-4050	54	55	63	49	60	56	56	54	54	59	56	49	50	53	56	52
54	SYN816514	63	58	65	56	63	61	63	55	54	58	58	54	56	56	57	56
55	TS2505	59	56	63	54	61	58	59	54	54	59	57	52	55	54	59	55
56	TS2601	62	58	66	55	61	60	60	56	57	58	58	53	56	58	60	57
57	X5826	54	54	66	55	61	58	58	54	54	61	57	51	52	53	57	53
58	X5873	59	55	65	53	60	58	60	55	54	58	57	51	54	55	57	54
59	Filler (DHM-117)	59	55	66	55	60	59	61	57	57	59	58	53	55	59	59	57
60	BIO 9682 ©	57	55	64	55	62	59	60	54	55	60	57	52	53	56	58	55
61	CMH 08-282 ©	56	54	63	52	59	57	58	53	53	58	56	53	53	52	55	53
62	CMH 08-287 ©	60	56	65	51	61	59	59	55	54	58	56	51	55	57	59	56
63	NK 6240 ©	56	55	65	53	62	58	59	55	55	59	57	52	55	56	56	54
	Location Mean	57	55	64	52	61	58	59	55	55	59	57	52	54	56	57	55
	CV (%)	2.4	3.5	1.5	6.5	3.3	3.7	2.5	2.6	2.4	2.8	2.6	3.8	2.8	2.5	2.7	3.0
	F (Prob)	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.1	0.0
	CD (5%)	2.2	3.2	1.6	5.6	3.3	1.6	2.4	2.3	2.1	2.7	1.2	3.2	2.4	2.3	2.5	1.3
	CD (1%)	3.0	4.2	2.1	7.4	4.3	2.1	3.2	3.1	2.8	3.5	1.6	4.3	3.2	3.0	3.3	1.7

Table No. 5 (Contd.) **Days to 50 % silking**

S. No.	Entry Name	PZ										All India
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	61	66	64	63	62	60	58	59	56	61	59
2	AH 1625	58	64	63	64	62	59	57	56	53	60	58
3	AH 8087	61	66	63	65	63	59	59	58	54	61	59
4	AH 8323	58	64	62	63	64	57	56	56	54	59	57
5	BH416112	58	64	62	61	61	57	56	57	54	59	57
6	BIO 534	58	67	60	62	63	61	57	58	56	60	58
7	BIO 536	61	66	63	63	64	60	58	57	56	61	58
8	BLH135	60	66	64	64	62	60	59	57	57	61	59
9	BLH137	60	66	64	64	64	61	57	59	54	61	59
10	BRMH-16039	60	66	60	61	62	58	56	56	53	59	58
11	CMH14-716	60	66	62	62	64	59	57	58	53	60	58
12	CMH14-722	60	66	63	63	61	58	57	57	54	60	58
13	CP808 SUPER	59	66	63	66	61	59	58	58	55	60	59
14	DH-315	61	65	63	64	63	61	58	58	55	61	59
15	FAUJI	59	66	64	63	60	60	59	56	55	60	58
16	GK3124	59	64	59	62	63	59	58	57	54	60	58
17	GK3164	60	64	61	62	64	58	59	56	55	60	58
18	HKH-366	58	67	64	63	62	60	58	58	53	60	58
19	HT18007	60	67	64	64	62	59	59	58	53	61	59
20	IMHSB-17K-08	62	65	64	63	65	61	60	61	56	62	60
21	IMHVS-005	59	66	65	65	64	61	58	57	54	61	60
22	JH 15002	61	66	65	64	65	62	59	59	57	62	60
23	JH 16026	57	64	62	62	62	57	55	56	54	59	57
24	JH 16224	62	66	64	63	62	60	56	59	55	61	58
25	JH 17014	58	64	60	61	64	57	55	56	54	59	57
26	JH 17026	59	64	62	62	61	58	57	58	53	59	57
27	JH 17029	57	64	61	62	61	58	54	57	56	59	57
28	JKMH1581	59	65	64	65	62	61	60	58	54	61	59
29	KMH-005	61	66	64	63	63	61	59	60	55	61	59
30	KMH-1(CAH1612)	60	66	62	63	61	61	58	58	55	61	58
31	KNMH-4185	59	66	65	65	63	60	59	60	55	61	59
32	KNMH-4187	58	65	60	62	60	57	57	56	54	59	57
33	MAH-14-138	60	64	62	62	62	58	54	56	53	59	57
34	MAH-14-239	58	64	60	62	66	57	55	56	52	59	57
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Days to 50 % silking**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	60	66	58	61	61	59	56	56	55	59	57
37	MM2033	58	66	63	63	64	61	59	60	55	61	58
38	MM2828	58	65	62	63	64	60	57	57	54	60	58
39	MM9207	58	66	63	63	64	59	57	57	55	60	58
40	OMH 17-2	59	66	64	65	63	62	59	60	54	61	59
41	PHM1801 (CAH1801)	58	67	63	63	64	61	56	59	54	60	58
42	PM18101L	58	64	62	62	64	59	59	58	54	60	58
43	PM18102L	60	66	64	64	63	58	60	57	55	61	59
44	PM18103L	61	66	64	63	63	60	60	58	56	61	60
45	PM18104L	61	66	65	64	65	61	59	58	56	62	60
46	PM18105L	60	65	63	63	60	57	56	56	54	59	57
47	PM18106L	60	65	64	64	63	60	59	59	53	61	59
48	QMH 1590	60	65	63	64	61	59	55	57	53	60	57
49	QMH1571	60	65	63	63	64	60	55	58	52	60	58
50	Rasi 4992	59	66	63	62	65	59	57	58	56	60	58
51	Rasi 70197	57	66	61	62	64	59	55	57	53	59	57
52	STARX-5	59	65	60	64	64	57	58	57	53	60	57
53	SUPER-4050	59	65	60	62	61	60	56	57	54	59	57
54	SYN816514	61	66	65	65	64	62	58	61	57	62	60
55	TS2505	59	66	64	63	63	61	56	59	55	61	58
56	TS2601	61	66	64	63	65	61	60	61	57	62	60
57	X5826	58	64	64	63	62	60	57	58	53	60	58
58	X5873	60	66	61	63	61	60	57	59	54	60	58
59	Filler (DHM-117)	59	66	65	64	64	61	59	59	56	61	59
60	BIO 9682 ©	58	66	62	63	64	60	55	59	52	60	58
61	CMH 08-282 ©	59	65	61	62	63	57	56	56	54	59	57
62	CMH 08-287 ©	59	67	63	63	61	59	58	59	55	60	58
63	NK 6240 ©	58	65	61	62	64	57	56	58	53	59	58
	Location Mean	59	65	63	63	63	59	57	58	54	60	58
	CV (%)	2.0	1.4	2.5	1.8	3.7	1.9	2.6	2.2	2.7	2.4	2.8
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.9	1.5	2.5	1.8	3.7	1.8	2.4	2.1	2.4	0.8	0.6
	CD (1%)	2.5	2.0	3.4	2.4	4.9	2.4	3.2	2.8	3.1	1.1	0.8

Table No. 5 (Contd.) **Days 75 % dry husk**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	104	90	99	87	93	95	93	97	90	94	94	100	91	93	98	96
2	AH 1625	93	88	97	88	91	91	85	96	90	92	91	101	88	92	97	95
3	AH 8087	100	91	100	87	91	94	86	98	90	88	91	100	89	92	98	94
4	AH 8323	95	88	98	88	90	92	88	95	89	92	91	102	89	90	98	94
5	BH416112	98	89	96	89	91	93	90	97	89	92	92	102	89	91	99	95
6	BIO 534	100	88	99	88	91	93	91	97	90	89	92	99	90	91	101	95
7	BIO 536	101	90	99	89	89	93	88	98	91	92	92	102	88	91	97	95
8	BLH135	98	89	99	89	93	93	90	97	90	91	92	102	89	92	99	95
9	BLH137	98	92	101	85	92	94	90	97	91	93	93	101	90	93	100	96
10	BRMH-16039	100	89	98	85	93	93	94	99	92	92	94	98	88	91	99	94
11	CMH14-716	98	90	98	88	91	93	88	97	90	96	93	99	88	92	97	94
12	CMH14-722	98	91	101	87	91	94	92	96	90	92	92	103	86	91	100	95
13	CP808 SUPER	102	92	98	88	93	95	92	97	91	92	93	103	90	92	99	96
14	DH-315	101	91	97	91	91	94	90	96	90	95	93	102	92	92	100	96
15	FAUJI	99	88	100	88	91	93	88	95	90	91	91	100	88	92	97	94
16	GK3124	101	90	99	87	88	93	92	97	90	92	93	102	88	93	97	95
17	GK3164	99	89	98	86	89	92	91	97	90	93	93	101	89	90	96	94
18	HKH-366	97	89	99	91	93	93	86	95	91	88	90	102	89	90	96	94
19	HT18007	98	90	99	90	92	94	90	97	90	88	92	101	91	91	98	95
20	IMHSB-17K-08	103	93	100	85	91	94	92	99	91	92	93	100	93	92	103	97
21	IMHVS-005	102	95	100	84	92	95	90	97	92	94	93	101	90	93	101	97
22	JH 15002	100	93	99	87	92	94	90	95	91	92	92	102	90	93	97	96
23	JH 16026	96	90	96	86	91	92	86	95	90	92	91	100	86	92	96	94
24	JH 16224	96	90	97	88	91	93	85	98	90	90	91	105	90	92	99	96
25	JH 17014	94	89	94	89	89	91	87	95	91	90	91	101	87	89	98	93
26	JH 17026	94	91	96	85	92	92	85	95	90	94	91	103	90	91	95	95
27	JH 17029	94	88	95	87	90	91	84	95	91	94	90	101	88	90	97	94
28	JKMH1581	98	92	100	86	90	93	91	98	91	90	92	104	90	92	99	96
29	KMH-005	99	92	101	88	92	94	89	97	90	89	91	100	91	89	99	95
30	KMH-1(CAH1612)	99	93	100	85	90	93	91	95	90	94	93	101	90	92	99	95
31	KNMH-4185	100	91	101	85	90	93	93	98	90	93	93	102	89	90	98	95
32	KNMH-4187	96	91	98	89	90	93	86	97	89	91	91	99	88	91	100	94
33	MAH-14-138	96	90	97	88	92	93	88	95	90	93	92	99	86	90	99	94
34	MAH-14-239	93	86	95	89	88	90	85	94	89	95	91	98	88	91	96	93
35	MFH18-13	.	.	101	87	90	.	.	.	.	93	.	103	.	92	.	.

Table No. 5 (Contd.) **Days 75 % dry husk**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	99	90	96	89	90	93	87	95	91	93	92	99	87	91	97	93
37	MM2033	98	89	99	87	90	93	87	96	90	90	91	100	89	92	100	95
38	MM2828	98	91	97	87	90	93	88	96	90	94	92	103	91	92	98	96
39	MM9207	98	90	101	86	90	93	89	97	90	93	92	99	89	91	97	95
40	OMH 17-2	98	91	98	84	89	92	89	95	90	92	92	102	89	93	99	96
41	PHM1801 (CAH1801)	98	91	96	87	91	93	89	95	90	96	92	98	89	93	97	94
42	PM18101L	99	91	99	86	93	94	90	97	90	95	93	102	91	93	99	96
43	PM18102L	99	94	99	85	91	94	93	98	90	92	93	100	91	93	99	96
44	PM18103L	103	93	102	85	92	95	94	98	91	91	94	103	93	94	101	98
45	PM18104L	102	94	103	86	93	95	94	97	91	94	94	99	93	93	99	96
46	PM18105L	98	90	98	86	93	93	89	97	90	91	92	103	88	91	99	95
47	PM18106L	97	92	99	90	93	94	88	96	90	95	92	101	91	93	100	95
48	QMH 1590	96	90	98	88	88	92	88	97	90	90	91	99	86	89	101	93
49	QMH1571	95	91	99	86	91	93	87	97	91	90	91	104	87	91	95	95
50	Rasi 4992	96	92	98	87	92	93	89	95	91	91	91	98	90	91	99	95
51	Rasi 70197	97	89	98	85	89	92	88	97	90	92	91	104	87	87	97	94
52	STARX-5	99	88	99	88	92	94	89	96	90	95	93	102	87	92	97	95
53	SUPER-4050	97	90	99	86	91	92	89	96	89	92	91	97	86	89	98	92
54	SYN816514	103	95	100	86	91	95	92	98	91	94	94	102	91	91	98	96
55	TS2505	99	90	96	90	91	93	90	97	90	92	92	100	91	91	98	95
56	TS2601	100	94	100	92	91	95	92	97	92	94	94	104	91	93	102	97
57	X5826	98	88	102	89	92	94	90	95	90	96	92	99	88	92	98	94
58	X5873	100	90	99	84	91	93	90	97	90	89	92	101	88	91	99	95
59	Filler (DHM-117)	98	90	100	91	91	94	92	97	92	91	93	101	90	92	99	96
60	BIO 9682 ©	101	90	100	88	93	94	93	98	90	91	93	99	87	91	99	94
61	CMH 08-282 ©	94	89	96	87	90	91	88	94	89	92	91	102	88	85	96	93
62	CMH 08-287 ©	99	91	99	86	91	93	88	96	90	93	92	97	89	92	101	95
63	NK 6240 ©	95	92	99	85	91	93	89	97	91	91	92	102	89	91	97	95
	Location Mean	98	91	99	87	91	93	89	96	90	92	92	101	89	91	98	95
	CV (%)	2.3	3.0	1.3	3.3	1.5	2.4	2.5	1.5	1.1	3.0	2.2	3.0	2.1	1.8	2.4	2.4
	F (Prob)	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.0	0.1	0.0
	CD (5%)	3.7	4.3	2.0	4.6	2.2	1.6	3.7	2.4	1.6	4.5	1.7	4.9	3.0	2.6	3.7	1.8
	CD (1%)	4.9	5.7	2.7	6.1	2.9	2.1	4.9	3.1	2.1	6.0	2.2	6.5	4.0	3.5	5.0	2.4

Table No. 5 (Contd.) **Days 75 % dry husk**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	100	108	102	105	105	103	93	99	96	101	97
2	AH 1625	97	105	102	106	105	93	92	96	94	99	95
3	AH 8087	100	108	103	107	106	99	94	101	95	101	96
4	AH 8323	97	105	102	105	107	95	91	96	94	99	95
5	BH416112	98	105	103	103	104	93	91	98	94	99	95
6	BIO 534	98	109	100	104	106	100	92	100	97	101	96
7	BIO 536	100	108	103	105	107	100	93	98	97	101	97
8	BLH135	99	107	104	106	105	103	94	98	97	101	97
9	BLH137	99	107	104	106	107	100	92	99	94	101	97
10	BRMH-16039	99	107	100	103	105	95	91	97	94	99	96
11	CMH14-716	99	106	102	104	107	97	92	98	94	100	96
12	CMH14-722	99	108	103	105	104	100	92	100	95	100	96
13	CP808 SUPER	98	109	103	108	104	100	94	100	95	101	97
14	DH-315	100	109	103	106	106	95	92	98	96	101	97
15	FAUJI	97	108	104	106	103	95	94	96	95	100	96
16	GK3124	98	106	99	104	106	96	93	97	95	100	96
17	GK3164	98	106	101	104	107	98	94	99	95	100	96
18	HKH-366	97	106	104	105	105	97	93	97	94	100	96
19	HT18007	99	109	104	106	105	97	93	98	94	101	97
20	IMHSB-17K-08	101	109	105	105	108	98	95	101	97	102	98
21	IMHVS-005	98	106	103	107	107	101	93	98	96	101	97
22	JH 15002	101	110	104	106	108	102	94	101	97	103	98
23	JH 16026	96	105	101	104	105	92	91	96	95	98	95
24	JH 16224	101	107	104	105	105	95	91	100	95	100	96
25	JH 17014	97	105	100	103	107	92	91	95	95	99	95
26	JH 17026	98	105	102	104	104	93	92	97	94	99	95
27	JH 17029	96	105	101	104	104	91	89	97	96	98	95
28	JKMH1581	98	106	104	107	105	100	95	98	94	101	97
29	KMH-005	101	106	104	105	106	98	94	100	95	101	97
30	KMH-1(CAH1612)	99	107	102	105	104	101	93	100	96	101	97
31	KNMH-4185	97	109	105	107	106	102	94	102	96	102	97
32	KNMH-4187	97	106	101	104	103	96	91	97	94	99	95
33	MAH-14-138	98	106	103	104	105	94	90	98	94	99	95
34	MAH-14-239	97	106	100	104	109	94	90	97	93	99	94
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Days 75 % dry husk**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	99	106	98	103	104	99	91	98	95	99	95
37	MM2033	97	109	103	105	107	97	94	98	96	101	96
38	MM2828	97	106	102	105	107	96	92	99	94	100	96
39	MM9207	97	109	103	105	107	101	92	101	96	101	96
40	OMH 17-2	98	105	103	107	106	97	94	98	94	100	96
41	PHM1801 (CAH1801)	97	108	102	105	107	102	91	98	94	101	96
42	PM18101L	97	108	102	104	107	103	94	99	95	101	97
43	PM18102L	99	106	104	106	106	100	95	100	96	101	97
44	PM18103L	100	110	103	105	106	101	95	101	97	102	98
45	PM18104L	101	109	104	106	108	101	94	100	96	102	98
46	PM18105L	98	108	102	105	103	101	91	99	95	100	96
47	PM18106L	99	106	103	106	106	98	94	97	94	100	97
48	QMH 1590	99	107	103	106	104	95	90	97	94	99	95
49	QMH1571	99	106	103	105	107	97	91	97	94	100	96
50	Rasi 4992	98	105	104	104	108	95	92	99	96	100	96
51	Rasi 70197	96	107	101	104	107	97	91	98	94	99	95
52	STARX-5	97	105	100	106	107	99	92	98	94	100	96
53	SUPER-4050	98	107	100	104	104	101	92	98	94	100	95
54	SYN816514	100	108	105	107	107	98	93	100	97	102	98
55	TS2505	98	108	103	105	106	98	92	96	96	100	96
56	TS2601	101	108	104	105	108	103	95	101	97	102	98
57	X5826	97	108	104	105	105	101	91	100	94	101	96
58	X5873	99	108	101	105	104	103	91	99	94	100	96
59	Filler (DHM-117)	97	107	104	106	107	96	94	98	96	101	97
60	BIO 9682 ©	97	106	102	105	107	100	91	99	93	100	96
61	CMH 08-282 ©	98	105	101	104	106	93	91	96	94	99	95
62	CMH 08-287 ©	98	107	103	105	104	95	93	98	95	99	96
63	NK 6240 ©	97	107	101	104	107	98	91	100	94	100	96
	Location Mean	98	107	102	105	106	98	92	98	95	100	96
	CV (%)	1.4	1.1	1.4	1.1	2.2	2.3	1.5	2.0	1.5	1.7	2.1
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.2	1.9	2.3	1.8	3.7	3.6	2.2	3.2	2.4	0.9	0.7
	CD (1%)	3.0	2.5	3.0	2.4	4.9	4.8	2.9	4.3	3.1	1.2	0.9

Table No. 5 (Contd.) **Ear (Number)**

S. No.	Entry Name	CWZ					NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	BHU_UP	Ranchi_JH	Bhub_OD	Ranc_JH	Sabo_Bihar	Karnal_HR	Ludh_PB	Karn_HR	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	33	29	34	31	31	37	26	37	34	23	40	40	37	35
2	AH 1625	38	30	36	33	34	37	33	36	35	25	41	37	36	34
3	AH 8087	40	31	34	36	35	37	36	39	36	28	39	37	40	35
4	AH 8323	39	27	36	26	32	38	34	36	36	21	41	37	37	35
5	BH416112	39	30	29	28	31	29	24	34	29	25	41	33	38	34
6	BIO 534	39	29	33	26	32	34	30	37	34	28	41	37	38	36
7	BIO 536	35	27	32	32	31	35	22	38	32	28	41	34	40	35
8	BLH135	35	29	32	31	32	31	27	37	32	21	40	37	34	33
9	BLH137	39	29	33	35	34	36	32	38	36	30	41	35	37	35
10	BRMH-16039	24	28	31	30	29	31	12	36	27	27	40	27	35	32
11	CMH14-716	37	29	34	30	32	36	28	36	33	31	42	32	38	36
12	CMH14-722	33	30	32	32	32	38	36	36	36	27	41	30	37	34
13	CP808 SUPER	40	30	34	31	34	32	32	38	34	28	40	35	37	35
14	DH-315	23	28	30	32	28	36	27	33	32	23	40	25	35	31
15	FAUJI	39	28	33	30	33	38	31	37	36	23	41	40	37	36
16	GK3124	37	29	34	31	33	37	31	35	35	22	38	35	36	33
17	GK3164	36	30	33	32	33	36	33	34	34	27	40	34	37	34
18	HKH-366	25	27	31	35	29	33	22	35	29	19	40	39	35	33
19	HT18007	37	29	32	28	31	34	31	35	33	28	39	30	36	33
20	IMHSB-17K-08	36	29	27	31	31	33	24	38	32	24	40	31	37	33
21	IMHVS-005	39	31	37	32	35	35	33	36	35	25	39	35	37	34
22	JH 15002	40	28	37	29	33	33	28	34	32	21	40	39	38	35
23	JH 16026	36	28	32	30	32	37	24	36	33	24	41	37	36	35
24	JH 16224	39	30	38	34	35	37	30	35	33	27	42	42	36	36
25	JH 17014	40	29	37	32	34	33	34	36	35	28	39	35	38	35
26	JH 17026	39	30	38	32	35	36	28	35	33	25	41	35	37	35
27	JH 17029	38	29	36	33	34	34	26	34	32	27	40	37	39	35
28	JKMH1581	32	28	27	25	28	30	19	36	28	19	42	32	36	32
29	KMH-005	37	29	35	32	33	37	29	38	35	23	40	35	37	34
30	KMH-1(CAH1612)	36	29	39	31	34	35	36	37	35	23	41	38	38	34
31	KNMH-4185	40	30	33	35	34	38	35	25	32	20	41	34	36	33
32	KNMH-4187	39	31	35	33	35	34	35	35	34	27	42	38	38	36
33	MAH-14-138	34	31	36	31	33	36	28	33	33	27	40	39	37	36
34	MAH-14-239	32	26	41	29	32	36	29	37	34	20	41	27	38	31
35	MFH18-13	.	.	3	36	.	.	.	38	.	17	.	29	.	.

Table No. 5 (Contd.) **Ear (Number)**

S. No.	Entry Name	CWZ					NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	BHU_UP	Ranchi_JH	Bhub_OD	Ranc_JH	Sabo_Bihar	Karnal_HR	Ludh_PB	Karn_HR	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	20	24	26	23	23	31	7	35	24	24	42	34	36	34
37	MM2033	34	29	32	24	30	30	33	37	33	24	40	37	37	35
38	MM2828	36	31	34	28	32	35	32	38	36	24	41	33	36	34
39	MM9207	39	29	39	27	33	37	26	37	34	25	42	33	38	35
40	OMH 17-2	38	27	36	28	32	39	33	36	36	23	40	34	38	34
41	PHM1801 (CAH1801)	38	29	40	28	34	33	26	36	33	20	41	37	36	33
42	PM18101L	40	29	40	30	35	36	30	36	35	25	40	38	39	36
43	PM18102L	40	31	35	31	34	38	23	35	32	25	42	35	39	35
44	PM18103L	37	29	32	32	33	38	24	34	32	27	41	32	37	34
45	PM18104L	38	28	35	29	33	34	25	35	32	29	41	35	39	35
46	PM18105L	39	28	35	32	34	37	35	34	35	28	41	39	40	36
47	PM18106L	39	30	34	36	34	39	32	35	35	24	39	35	37	35
48	QMH 1590	35	29	35	27	31	36	32	36	35	21	42	33	38	34
49	QMH1571	37	25	28	24	28	36	22	35	31	29	41	27	39	34
50	Rasi 4992	39	29	38	29	34	35	35	37	36	29	40	35	36	35
51	Rasi 70197	39	29	37	25	33	37	32	35	35	28	41	33	38	35
52	STARX-5	36	28	37	31	33	36	18	35	29	26	41	33	38	34
53	SUPER-4050	39	30	37	32	34	34	35	36	34	23	40	32	39	34
54	SYN816514	38	30	35	32	34	33	27	39	33	24	41	39	35	34
55	TS2505	38	30	38	27	33	34	28	37	33	24	42	37	38	35
56	TS2601	38	29	30	31	32	35	27	34	32	24	39	37	37	35
57	X5826	39	29	34	30	33	35	37	36	36	27	39	40	38	36
58	X5873	39	29	29	28	32	29	30	37	32	25	41	38	35	35
59	Filler (DHM-117)	37	27	27	34	31	32	20	38	30	23	41	29	35	33
60	BIO 9682 ©	40	30	39	32	35	35	40	35	37	24	42	40	42	37
61	CMH 08-282 ©	38	30	33	31	33	34	30	37	33	28	40	33	38	35
62	CMH 08-287 ©	40	27	36	31	33	35	33	35	34	21	41	39	38	34
63	NK 6240 ©	40	30	37	34	35	33	34	37	35	25	40	39	37	35
	Location Mean	37	29	34	30	32	35	29	36	33	25	41	35	37	34
	CV (%)	6.5	6.7	10.3	14.9	10.0	10.5	13.2	9.5	10.9	19.2	3.3	10.9	5.4	9.6
	F (Prob)	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.8	0.0	0.4	0.2	0.0	0.1	0.0
	CD (5%)	3.9	3.2	5.6	7.4	2.7	5.9	6.2	5.5	3.4	7.7	2.1	6.2	3.3	2.7
	CD (1%)	5.1	4.2	7.4	9.7	3.6	7.8	8.2	7.3	4.4	10.2	2.8	8.2	4.3	3.5

Table No. 5 (Contd.) **Ear (Number)**

S. No.	Entry Name	PZ										
		Pant_UK	Dharwar_KR	Hyd_AP	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Rahuri_MH	Pedda_AP	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	31	37	36	30	34	34	37	37	29	34	33
2	AH 1625	32	37	39	31	33	34	39	40	32	35	35
3	AH 8087	30	39	39	32	34	34	38	40	32	35	36
4	AH 8323	32	37	40	33	34	36	38	35	32	35	35
5	BH416112	27	30	34	32	37	30	34	28	30	31	32
6	BIO 534	33	40	39	33	35	35	32	35	30	35	35
7	BIO 536	32	40	38	31	36	28	37	35	28	34	33
8	BLH135	32	39	38	35	34	35	40	39	31	36	34
9	BLH137	33	40	40	35	34	35	39	40	30	36	35
10	BRMH-16039	27	30	35	31	32	31	33	36	26	31	30
11	CMH14-716	33	39	37	31	35	38	40	40	32	36	35
12	CMH14-722	31	38	40	32	34	36	35	39	32	35	35
13	CP808 SUPER	29	37	38	30	34	32	39	36	32	34	34
14	DH-315	27	34	39	32	32	33	37	39	31	34	32
15	FAUJI	33	41	40	34	35	35	36	39	30	36	35
16	GK3124	32	39	36	31	34	34	35	38	31	35	34
17	GK3164	32	38	36	34	37	34	37	40	32	36	35
18	HKH-366	29	30	35	32	35	27	38	31	24	31	31
19	HT18007	31	38	34	30	35	35	37	36	30	34	33
20	IMHSB-17K-08	29	35	32	29	37	28	35	34	26	32	32
21	IMHVS-005	34	38	37	32	31	35	38	41	32	35	35
22	JH 15002	32	39	34	31	34	35	41	35	29	35	34
23	JH 16026	31	39	38	34	35	38	37	39	30	36	34
24	JH 16224	33	40	40	37	35	37	41	39	33	37	36
25	JH 17014	31	38	38	31	36	33	38	39	32	35	35
26	JH 17026	32	39	37	32	36	34	39	39	31	35	35
27	JH 17029	30	39	39	32	36	31	39	37	31	35	34
28	JKMH1581	31	37	32	28	37	26	35	36	29	32	31
29	KMH-005	33	38	39	30	32	31	40	37	29	34	34
30	KMH-1(CAH1612)	29	40	38	29	34	37	39	38	31	35	35
31	KNMH-4185	32	38	31	30	34	31	36	40	30	34	33
32	KNMH-4187	31	39	37	33	33	32	38	40	31	35	35
33	MAH-14-138	30	38	36	31	33	35	38	38	29	34	34
34	MAH-14-239	31	40	31	30	37	33	38	38	31	35	33
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) Ear (Number)

S. No.	Entry Name	PZ										
		Pant_UK	Dharwar_KR	Hyd_AP	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Rahuri_MH	Pedda_AP	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	28	30	30	29	32	25	34	36	23	30	29
37	MM2033	33	40	30	29	32	36	35	34	28	33	33
38	MM2828	30	39	35	34	36	34	39	36	30	35	34
39	MM9207	30	38	36	32	33	36	37	37	28	34	34
40	OMH 17-2	30	38	36	31	32	38	37	36	32	35	34
41	PHM1801 (CAH1801)	31	39	41	33	34	34	39	38	33	36	35
42	PM18101L	33	38	40	32	37	35	40	37	30	36	35
43	PM18102L	32	38	35	29	32	33	37	39	28	34	34
44	PM18103L	33	42	39	31	35	34	37	40	32	36	35
45	PM18104L	30	40	38	30	31	35	39	40	31	35	34
46	PM18105L	31	39	37	34	32	34	36	42	33	35	35
47	PM18106L	34	39	36	32	34	35	41	39	32	36	35
48	QMH 1590	29	40	37	29	34	32	33	39	32	34	34
49	QMH1571	30	35	31	32	30	35	36	33	27	32	31
50	Rasi 4992	33	40	40	34	35	38	39	39	32	37	36
51	Rasi 70197	31	41	37	31	32	34	37	38	31	35	35
52	STARX-5	30	38	33	32	36	27	36	38	26	33	33
53	SUPER-4050	33	39	39	32	34	37	37	40	33	36	35
54	SYN816514	34	39	40	31	32	39	37	39	32	36	35
55	TS2505	32	39	36	32	33	34	37	38	31	35	34
56	TS2601	31	37	38	30	34	31	39	39	29	34	33
57	X5826	31	39	32	33	33	34	40	36	33	34	35
58	X5873	33	39	37	31	35	35	37	38	26	35	34
59	Filler (DHM-117)	30	36	37	31	35	31	39	40	32	35	33
60	BIO 9682 ©	34	39	40	33	35	36	37	39	32	36	36
61	CMH 08-282 ©	32	35	36	31	33	35	39	35	31	34	34
62	CMH 08-287 ©	31	38	40	33	35	34	38	37	31	35	34
63	NK 6240 ©	34	39	39	38	37	38	38	40	31	37	36
	Location Mean	31	38	37	32	34	34	37	38	30	35	34
	CV (%)	5.8	6.5	9.4	8.2	8.2	7.5	7.5	9.7	6.8	7.9	9.2
	F (Prob)	0.0	0.0	0.0	0.1	0.5	0.0	0.2	0.1	0.0	0.0	0.0
	CD (5%)	2.9	4.0	5.6	4.2	4.6	4.1	4.5	5.9	3.3	1.5	1.1
	CD (1%)	3.9	5.3	7.4	5.5	6.0	5.4	6.0	7.8	4.4	2.0	1.5

Table No. 5 (Contd.) **Initial Plant Stand (Numbers/plot)**

S. No.	Entry Name	CWZ			NEPZ				NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Sabour_Bihar	Z_NEPZ	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	31	32	32	38	35	40	38	30	40	38	36
2	AH 1625	33	33	33	38	39	38	38	30	40	37	36
3	AH 8087	35	39	37	39	39	40	38	29	40	39	36
4	AH 8323	30	27	28	39	38	36	37	29	40	38	36
5	BH416112	31	31	32	29	37	34	34	31	39	40	36
6	BIO 534	31	33	32	34	36	40	37	30	39	39	36
7	BIO 536	32	37	34	37	35	38	37	29	39	41	36
8	BLH135	31	32	32	32	35	38	36	30	40	36	35
9	BLH137	32	36	35	39	41	39	40	20	39	38	32
10	BRMH-16039	32	36	34	35	26	37	33	29	40	38	36
11	CMH14-716	33	36	35	37	37	37	37	32	40	39	36
12	CMH14-722	33	36	34	39	43	38	40	30	39	38	36
13	CP808 SUPER	31	35	33	35	41	40	38	30	40	39	36
14	DH-315	30	33	32	37	36	34	36	30	40	38	36
15	FAUJI	31	32	31	40	38	39	38	30	39	39	36
16	GK3124	33	35	33	38	36	36	36	30	38	38	36
17	GK3164	33	33	33	37	39	34	37	29	40	38	36
18	HKH-366	33	38	35	35	25	37	32	29	40	36	35
19	HT18007	32	35	33	38	38	36	37	30	39	37	35
20	IMHSB-17K-08	31	30	31	32	32	38	34	31	39	38	36
21	IMHVS-005	34	34	34	34	39	37	37	30	39	38	35
22	JH 15002	31	34	33	35	38	35	36	30	39	38	36
23	JH 16026	31	34	32	37	33	38	36	29	39	37	36
24	JH 16224	34	37	35	38	39	36	37	30	39	38	36
25	JH 17014	32	34	33	37	39	38	38	30	39	39	36
26	JH 17026	32	34	33	37	34	36	36	30	39	39	36
27	JH 17029	32	34	34	37	33	35	35	32	40	39	36
28	JKMH1581	32	25	30	31	25	38	31	30	40	37	35
29	KMH-005	31	36	33	40	36	40	38	29	39	38	36
30	KMH-1(CAH1612)	32	37	34	37	38	38	37	30	39	40	36
31	KNMH-4185	32	38	35	38	37	26	34	28	39	38	35
32	KNMH-4187	33	37	35	37	41	37	37	31	40	39	36
33	MAH-14-138	34	36	35	37	41	35	38	30	39	38	36
34	MAH-14-239	31	33	33	38	38	38	39	30	39	39	36
35	MFH18-13	.	38	.	.	1	39	.	24	.	1	.

Table No. 5 (Contd.) **Initial Plant Stand (Numbers/plot)**

S. No.	Entry Name	CWZ			NEPZ				NWPZ			
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Sabour_Bihar	Z_NEPZ	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	30	26	28	33	8	37	27	30	40	37	35
37	MM2033	31	30	31	33	42	38	37	31	39	39	36
38	MM2828	33	34	33	38	39	38	39	29	40	38	36
39	MM9207	31	30	31	38	37	38	38	30	39	40	36
40	OMH 17-2	30	38	34	40	39	38	39	28	40	39	36
41	PHM1801 (CAH1801)	31	32	32	36	37	37	37	25	39	38	34
42	PM18101L	33	35	35	37	37	38	38	31	39	39	36
43	PM18102L	34	35	34	36	29	37	34	30	39	39	36
44	PM18103L	32	35	33	39	34	36	35	30	39	39	36
45	PM18104L	31	32	31	37	35	36	37	30	39	40	36
46	PM18105L	32	37	34	38	36	35	36	29	39	40	36
47	PM18106L	31	40	35	40	37	37	38	30	39	39	36
48	QMH 1590	32	34	32	39	41	38	39	29	39	40	37
49	QMH1571	33	30	32	39	35	36	36	29	39	38	35
50	Rasi 4992	33	34	33	38	35	38	37	30	40	39	36
51	Rasi 70197	31	33	33	37	38	37	37	31	39	39	36
52	STARX-5	30	33	31	36	20	36	31	30	40	38	36
53	SUPER-4050	33	38	35	36	38	37	37	29	40	40	36
54	SYN816514	32	35	34	36	37	40	37	31	40	38	36
55	TS2505	35	32	33	35	40	38	38	30	40	38	36
56	TS2601	32	36	34	35	41	35	37	30	39	39	36
57	X5826	33	36	34	38	40	37	39	30	39	38	35
58	X5873	34	33	34	31	39	38	35	29	40	37	36
59	Filler (DHM-117)	30	36	32	35	35	40	37	29	39	36	35
60	BIO 9682 ©	34	34	33	35	43	36	38	30	40	40	37
61	CMH 08-282 ©	32	37	35	37	37	38	37	29	39	40	36
62	CMH 08-287 ©	32	33	32	35	37	37	36	30	40	39	36
63	NK 6240 ©	32	34	33	35	38	39	37	30	39	38	35
	Location Mean	32	34	33	36	36	37	36	29	39	38	36
	CV (%)	6.0	11.9	9.6	7.6	11.1	9.0	9.2	9.7	1.6	4.6	5.5
	F (Prob)	0.4	0.1	0.0	0.0	0.0	0.5	0.0	0.7	0.2	0.0	0.0
	CD (5%)	3.1	6.6	3.7	4.5	6.4	5.4	3.1	4.6	1.0	2.8	1.8
	CD (1%)	4.1	8.7	4.9	5.9	8.5	7.2	4.1	6.1	1.3	3.7	2.4

Table No. 5 (Contd.) **Initial Plant Stand (Numbers/plot)**

S. No.	Entry Name	PZ										
		Coimb_TN	Karn_HR	Ludh_PB	Pant_UK	Kolhapur_MH	Mandya_KR	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	30	37	38	33	34	34	39	39	30	35	35
2	AH 1625	32	37	39	34	33	34	40	42	33	36	36
3	AH 8087	34	39	39	34	34	34	41	42	34	37	37
4	AH 8323	33	38	40	34	34	35	41	36	34	36	35
5	BH416112	30	30	35	34	37	30	38	29	31	33	33
6	BIO 534	32	39	40	35	35	37	34	35	32	36	36
7	BIO 536	33	39	40	32	36	31	40	36	33	35	36
8	BLH135	33	39	39	35	34	36	43	42	33	37	36
9	BLH137	33	40	41	35	34	35	40	43	33	37	36
10	BRMH-16039	29	32	38	35	32	34	36	38	27	33	34
11	CMH14-716	33	40	38	34	35	37	42	42	32	37	36
12	CMH14-722	31	39	40	36	34	37	40	42	34	37	37
13	CP808 SUPER	29	37	38	32	34	32	43	36	34	35	36
14	DH-315	27	38	40	35	32	36	38	44	31	36	35
15	FAUJI	32	41	39	36	35	35	39	40	33	37	36
16	GK3124	32	40	36	32	34	35	40	39	33	36	36
17	GK3164	32	39	36	36	37	33	40	42	34	36	36
18	HKH-366	30	32	36	34	35	29	40	31	26	32	33
19	HT18007	33	39	36	36	35	38	39	39	33	36	36
20	IMHSB-17K-08	31	36	33	32	37	28	39	35	27	33	34
21	IMHVS-005	33	37	37	35	31	34	39	43	33	36	36
22	JH 15002	32	39	36	33	34	36	42	37	31	36	35
23	JH 16026	33	38	39	36	35	38	41	41	34	37	36
24	JH 16224	33	41	40	39	35	36	42	41	33	38	37
25	JH 17014	33	40	40	37	36	36	40	40	34	37	37
26	JH 17026	33	40	37	35	36	34	41	43	33	37	36
27	JH 17029	31	38	40	33	36	33	40	40	33	36	36
28	JKMH1581	30	37	33	30	37	28	38	37	30	33	33
29	KMH-005	32	38	41	31	32	32	41	40	30	36	36
30	KMH-1(CAH1612)	30	40	39	31	34	37	43	38	32	36	36
31	KNMH-4185	33	39	32	33	34	32	38	41	35	35	35
32	KNMH-4187	30	40	40	35	33	34	41	42	34	36	36
33	MAH-14-138	31	38	38	34	33	36	45	39	31	36	36
34	MAH-14-239	33	39	35	34	37	35	41	40	33	36	36
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Initial Plant Stand (Numbers/plot)**

S. No.	Entry Name	PZ										
		Coimb_TN	Karn_HR	Ludh_PB	Pant_UK	Kolhapur_MH	Mandya_KR	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	30	32	34	33	32	27	36	36	24	32	31
37	MM2033	32	39	33	32	32	35	37	34	33	34	35
38	MM2828	30	38	38	35	36	36	40	36	31	36	36
39	MM9207	32	37	39	34	33	35	39	38	32	36	36
40	OMH 17-2	32	39	39	34	32	39	39	37	33	36	36
41	PHM1801 (CAH1801)	33	39	40	36	34	32	42	38	34	37	36
42	PM18101L	33	39	40	34	37	37	41	37	33	37	37
43	PM18102L	32	40	34	31	32	32	39	40	34	35	35
44	PM18103L	32	40	40	34	35	36	39	43	34	37	36
45	PM18104L	32	41	39	32	31	34	41	42	33	36	36
46	PM18105L	34	37	38	37	32	36	38	43	35	37	36
47	PM18106L	33	39	38	33	34	37	43	41	33	37	37
48	QMH 1590	33	40	39	33	34	35	37	40	34	36	36
49	QMH1571	33	39	35	35	30	34	42	34	28	35	35
50	Rasi 4992	33	40	41	35	35	37	39	40	34	37	36
51	Rasi 70197	33	39	40	35	32	37	39	39	34	37	36
52	STARX-5	33	39	34	34	36	28	42	39	27	35	34
53	SUPER-4050	31	40	39	35	34	38	38	39	34	36	36
54	SYN816514	34	40	41	34	32	36	39	42	34	37	36
55	TS2505	32	39	38	33	33	37	41	39	34	36	36
56	TS2601	34	37	39	33	34	33	44	40	32	36	36
57	X5826	33	39	34	33	33	36	40	35	33	35	36
58	X5873	33	41	39	34	35	34	40	40	30	36	36
59	Filler (DHM-117)	32	39	40	34	35	33	41	42	34	37	36
60	BIO 9682 ©	33	39	40	33	35	36	39	40	33	36	36
61	CMH 08-282 ©	33	39	38	32	33	34	41	36	34	36	36
62	CMH 08-287 ©	31	40	41	35	35	34	40	38	33	36	36
63	NK 6240 ©	34	39	40	36	37	38	41	42	35	38	37
	Location Mean	32	39	38	34	34	34	40	39	32	36	36
	CV (%)	5.0	5.1	7.5	7.9	8.2	7.4	6.8	11.3	5.2	7.5	7.8
	F (Prob)	0.0	0.0	0.0	0.5	0.5	0.0	0.1	0.2	0.0	0.0	0.0
	CD (5%)	2.6	3.2	4.6	4.4	4.6	4.1	4.4	7.1	2.7	1.5	1.1
	CD (1%)	3.4	4.2	6.1	5.8	6.0	5.4	5.9	9.5	3.6	2.0	1.5

Table No. 5 (Contd.) **Final Plant Stand (1000/ha)**

S. No.	Entry Name	CWZ						NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	55	62	60	75	49	60	78	74	71	75	51	66	77	61	64
2	AH 1625	65	63	62	79	63	66	79	75	68	73	56	65	78	61	65
3	AH 8087	68	68	59	83	71	69	81	75	72	75	61	62	83	65	67
4	AH 8323	65	56	62	65	65	63	81	79	67	76	46	64	74	62	63
5	BH416112	64	63	52	73	45	59	60	69	65	64	55	66	78	64	65
6	BIO 534	65	59	56	74	41	60	71	73	70	72	61	66	83	63	68
7	BIO 536	61	59	58	81	47	61	78	80	71	76	62	64	77	67	67
8	BLH135	59	59	56	73	45	59	67	72	70	71	47	65	73	57	60
9	BLH137	65	62	59	79	59	65	81	76	72	76	67	66	76	60	66
10	BRMH-16039	41	61	55	80	38	56	72	69	68	70	61	65	76	60	65
11	CMH14-716	63	65	63	80	56	65	78	73	68	72	69	66	80	63	68
12	CMH14-722	56	64	57	79	51	61	82	72	68	73	60	64	75	62	67
13	CP808 SUPER	68	64	58	79	51	64	72	69	72	71	60	66	71	63	65
14	DH-315	39	62	57	77	47	56	76	73	61	70	50	66	73	61	63
15	FAUJI	65	60	61	73	44	60	83	77	70	77	51	64	85	62	67
16	GK3124	62	62	61	81	45	62	79	73	65	73	49	60	75	60	62
17	GK3164	61	63	58	77	53	63	77	74	64	72	60	64	78	60	65
18	HKH-366	42	64	56	82	32	55	72	71	66	71	41	64	70	59	59
19	HT18007	64	62	57	76	58	63	80	76	67	73	63	64	74	60	65
20	IMHSB-17K-08	60	61	55	72	47	59	67	70	69	69	54	65	75	61	64
21	IMHVS-005	65	66	65	80	61	67	72	76	67	72	56	63	79	62	64
22	JH 15002	67	56	67	76	62	66	73	74	64	71	47	64	82	63	64
23	JH 16026	61	59	56	76	59	62	77	77	69	75	53	65	77	61	64
24	JH 16224	66	65	63	81	65	68	80	79	66	74	60	66	81	61	66
25	JH 17014	67	62	64	76	60	66	76	77	68	74	62	63	79	63	66
26	JH 17026	65	63	64	77	63	66	77	77	64	74	55	64	79	62	66
27	JH 17029	67	62	62	76	61	66	78	79	63	74	59	65	83	64	66
28	JKMH1581	54	59	49	64	26	50	64	73	68	68	42	66	75	59	60
29	KMH-005	68	59	61	81	55	65	83	73	72	76	50	64	70	62	62
30	KMH-1(CAH1612)	62	60	65	83	51	64	76	79	69	74	50	66	81	64	65
31	KNMH-4185	66	61	61	83	51	64	80	77	48	67	45	65	76	60	63
32	KNMH-4187	64	65	61	79	55	65	77	75	66	72	59	65	74	63	66
33	MAH-14-138	52	67	62	79	60	64	77	72	63	72	60	64	76	60	66
34	MAH-14-239	53	55	67	74	43	59	80	73	71	75	44	64	71	63	60
35	MFH18-13	.	.	4	81	9	.	.	.	72	.	38	.	80	.	.

Table No. 5 (Contd.) **Final Plant Stand (1000/ha)**

S. No.	Entry Name	CWZ						NEPZ				NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	34	50	48	64	16	43	68	67	67	68	54	65	68	60	62
37	MM2033	58	64	58	72	49	61	68	72	69	69	53	63	73	62	64
38	MM2828	60	65	57	78	48	61	79	75	70	75	52	65	69	61	62
39	MM9207	64	61	60	70	50	61	80	78	69	76	55	65	76	58	63
40	OMH 17-2	64	58	65	82	71	67	83	75	69	75	50	65	83	63	66
41	PHM1801 (CAH1801)	63	60	66	73	44	62	74	84	68	76	45	65	75	62	61
42	PM18101L	67	62	67	79	65	68	77	81	68	75	56	64	80	64	66
43	PM18102L	67	66	61	79	50	64	74	74	66	71	56	65	79	64	66
44	PM18103L	62	59	61	79	57	64	81	80	64	75	59	65	81	62	67
45	PM18104L	65	58	59	73	54	63	78	71	66	72	65	66	73	65	66
46	PM18105L	65	61	58	80	63	65	80	80	65	74	61	64	84	66	68
47	PM18106L	67	63	57	87	64	67	83	78	67	75	54	63	76	62	65
48	QMH 1590	61	60	61	78	61	63	80	70	68	73	48	64	73	64	63
49	QMH1571	62	60	61	71	41	58	81	73	65	73	64	64	70	64	65
50	Rasi 4992	65	62	64	76	59	65	79	81	70	76	64	65	76	61	66
51	Rasi 70197	66	61	63	75	54	65	77	74	67	73	62	66	79	64	67
52	STARX-5	61	58	60	77	28	57	75	70	65	70	57	66	66	62	62
53	SUPER-4050	65	63	64	82	57	65	76	74	68	71	51	65	74	65	65
54	SYN816514	64	64	63	77	52	64	75	80	74	75	53	65	85	59	65
55	TS2505	69	66	63	75	54	65	73	69	69	71	53	65	76	63	65
56	TS2601	63	62	55	77	40	60	73	73	64	71	53	62	70	62	63
57	X5826	67	63	63	77	62	66	80	77	68	75	60	62	78	63	65
58	X5873	65	67	56	72	48	62	64	78	69	71	55	66	70	59	63
59	Filler (DHM-117)	62	58	61	78	59	63	73	74	73	73	51	63	79	58	64
60	BIO 9682 ©	69	65	60	77	68	68	74	78	66	72	54	66	85	66	68
61	CMH 08-282 ©	66	62	57	81	49	63	78	70	70	72	61	64	74	62	65
62	CMH 08-287 ©	66	57	63	76	52	62	73	75	67	71	46	66	80	63	64
63	NK 6240 ©	67	64	59	76	49	64	74	76	71	73	55	64	87	62	65
	Location Mean	62	62	59	77	52	62	76	75	68	73	55	65	77	62	65
	CV (%)	6.3	7.1	8.1	8.9	17.1	9.7	7.6	5.3	9.3	7.4	18.9	2.5	8.0	5.1	9.8
	F (Prob)	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.0	0.0	0.3	0.0
	CD (5%)	6.3	7.1	7.8	11.1	14.3	4.4	9.3	6.5	10.2	5.0	16.8	2.6	9.9	5.1	5.2
	CD (1%)	8.3	9.3	10.3	14.7	18.9	5.8	12.3	8.5	13.4	6.6	22.2	3.4	13.1	6.8	6.8

Table No. 5 (Contd.) **Final Plant Stand (1000/ha)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Pedda_AP	Pedda_AP	Vagarai_TN	Vegarai_TN	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	61	76	76	62	55	68	67	63	61	65	65
2	AH 1625	64	76	81	66	54	68	70	66	68	68	68
3	AH 8087	67	78	81	67	58	68	69	68	69	70	70
4	AH 8323	65	79	84	68	56	75	69	58	68	69	67
5	BH416112	59	62	71	67	62	60	63	47	62	61	62
6	BIO 534	65	81	82	67	52	75	59	59	64	68	66
7	BIO 536	65	80	82	64	62	65	68	58	64	67	67
8	BLH135	65	77	80	73	57	75	73	66	64	70	66
9	BLH137	66	81	84	72	56	71	70	67	67	70	69
10	BRMH-16039	58	62	75	67	53	65	60	61	55	62	62
11	CMH14-716	66	78	76	66	54	75	72	66	66	69	68
12	CMH14-722	63	77	83	68	56	75	64	65	68	69	67
13	CP808 SUPER	59	76	79	64	57	63	70	60	68	66	66
14	DH-315	56	70	82	67	53	72	66	66	64	66	64
15	FAUJI	64	84	83	71	59	73	64	65	66	70	68
16	GK3124	65	81	74	64	54	70	63	64	66	67	66
17	GK3164	64	78	73	71	62	66	67	67	67	69	67
18	HKH-366	60	63	73	66	60	58	68	50	53	61	61
19	HT18007	66	79	72	67	57	76	65	60	62	67	66
20	IMHSB-17K-08	62	74	67	60	60	59	64	57	54	62	63
21	IMHVS-005	68	77	76	68	53	69	68	68	65	68	68
22	JH 15002	65	79	74	64	56	72	73	60	62	67	67
23	JH 16026	65	79	80	69	59	78	66	65	64	70	68
24	JH 16224	68	81	81	76	59	73	73	65	69	72	70
25	JH 17014	65	79	80	68	58	71	68	65	70	69	68
26	JH 17026	67	79	76	66	59	69	71	66	68	69	68
27	JH 17029	63	79	82	64	60	68	70	62	66	68	68
28	JKMH1581	59	74	68	58	60	57	63	61	60	62	60
29	KMH-005	65	80	83	60	54	65	72	62	61	67	67
30	KMH-1(CAH1612)	60	80	80	61	57	74	70	63	66	68	68
31	KNMH-4185	66	76	65	64	54	64	64	66	67	65	65
32	KNMH-4187	62	80	80	66	52	67	69	66	67	67	67
33	MAH-14-138	63	77	77	64	52	74	70	63	62	67	67
34	MAH-14-239	65	78	71	63	61	69	68	64	65	67	65
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Final Plant Stand (1000/ha)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Pedda_AP	Pedda_AP	Vagarai_TN	Vegarai_TN	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	62	64	67	62	53	54	60	60	47	59	57
37	MM2033	64	79	66	61	54	73	63	55	63	64	64
38	MM2828	59	79	74	70	59	70	69	60	64	67	66
39	MM9207	65	75	76	66	54	71	66	63	61	66	66
40	OMH 17-2	63	78	78	65	54	80	67	59	67	68	68
41	PHM1801 (CAH1801)	65	81	83	68	56	69	70	63	70	70	67
42	PM18101L	66	77	83	66	62	74	72	61	64	69	69
43	PM18102L	63	77	72	61	51	66	67	64	64	65	66
44	PM18103L	65	80	83	65	59	72	67	66	68	70	69
45	PM18104L	64	82	79	63	50	73	71	66	65	68	67
46	PM18105L	66	75	77	72	53	71	65	67	72	69	68
47	PM18106L	65	81	78	65	57	74	75	64	68	69	69
48	QMH 1590	63	78	78	63	57	67	61	64	71	67	66
49	QMH1571	68	74	68	67	50	68	64	55	57	64	64
50	Rasi 4992	66	83	83	69	55	76	71	65	70	71	69
51	Rasi 70197	66	82	80	68	54	71	67	64	68	69	68
52	STARX-5	67	78	70	67	58	56	65	65	54	65	63
53	SUPER-4050	63	77	81	67	57	77	67	65	68	69	68
54	SYN816514	66	79	84	66	48	75	66	66	71	69	68
55	TS2505	65	79	76	66	56	72	67	64	69	68	67
56	TS2601	66	75	77	64	54	65	70	63	63	66	65
57	X5826	67	80	70	68	53	72	71	58	70	68	68
58	X5873	65	81	78	69	58	69	66	64	60	68	66
59	Filler (DHM-117)	65	76	79	66	58	67	70	66	69	68	67
60	BIO 9682 ©	65	79	84	63	57	75	67	63	68	69	69
61	CMH 08-282 ©	67	73	77	63	52	68	70	58	66	66	66
62	CMH 08-287 ©	63	77	84	67	56	68	69	62	67	68	66
63	NK 6240 ©	67	80	82	76	60	77	68	65	69	72	69
	Location Mean	64	77	77	66	56	70	68	63	65	67	66
	CV (%)	5.1	5.8	7.7	8.2	9.6	6.7	7.3	9.4	6.3	7.4	8.4
	F (Prob)	0.0	0.0	0.0	0.3	0.6	0.0	0.1	0.1	0.0	0.0	0.0
	CD (5%)	5.3	7.3	9.6	8.8	8.7	7.6	8.0	9.5	6.6	2.7	2.0
	CD (1%)	7.0	9.6	12.7	11.6	11.5	10.0	10.6	12.6	8.8	3.6	2.6

Table No. 5 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	244	207	150	173	180	191	181	185	203	175	184	211	203	209	261	219
2	AH 1625	278	204	158	173	199	201	190	189	223	184	197	227	209	206	280	233
3	AH 8087	265	197	161	175	183	196	159	180	206	183	180	190	196	194	269	213
4	AH 8323	270	193	158	171	222	204	176	193	216	161	187	200	211	191	270	218
5	BH416112	269	235	164	163	194	204	144	182	202	167	174	222	215	204	268	226
6	BIO 534	251	227	148	170	200	199	174	186	216	168	188	207	187	203	281	219
7	BIO 536	259	223	159	187	203	208	173	191	195	183	185	202	212	193	264	217
8	BLH135	263	210	154	169	190	198	173	190	216	164	185	200	197	204	289	222
9	BLH137	270	222	165	178	194	206	170	185	215	160	183	219	209	219	272	228
10	BRMH-16039	248	193	142	176	184	188	173	182	190	172	179	209	193	197	256	215
11	CMH14-716	265	252	177	165	183	207	172	202	221	171	191	210	212	210	287	227
12	CMH14-722	256	223	151	151	193	194	165	190	201	164	181	214	195	202	272	223
13	CP808 SUPER	243	198	135	168	195	188	147	189	184	187	176	209	199	214	266	223
14	DH-315	222	226	125	172	163	183	133	165	184	196	168	203	189	182	262	208
15	FAUJI	234	210	138	189	182	191	162	169	186	173	173	207	190	190	275	214
16	GK3124	251	228	155	165	187	198	172	190	209	176	188	207	207	207	271	223
17	GK3164	259	190	155	177	180	192	173	184	215	193	191	197	209	216	279	226
18	HKH-366	243	174	151	168	182	186	163	192	192	185	183	210	190	203	262	216
19	HT18007	246	265	152	156	203	202	157	184	205	181	182	202	192	190	282	219
20	IMHSB-17K-08	256	212	142	170	206	198	192	194	223	170	196	239	191	198	274	224
21	IMHVS-005	237	218	140	162	156	183	170	167	199	163	174	217	188	201	265	217
22	JH 15002	264	200	159	168	175	193	170	188	218	170	188	223	211	208	261	226
23	JH 16026	269	200	161	172	218	204	182	197	208	160	187	225	204	227	280	234
24	JH 16224	261	245	150	185	197	209	182	199	211	178	191	216	212	220	265	229
25	JH 17014	275	212	155	169	200	201	186	204	205	165	190	215	207	216	291	232
26	JH 17026	287	226	156	177	204	211	203	205	201	186	199	201	208	219	308	235
27	JH 17029	266	210	161	161	201	199	190	208	205	160	192	212	215	216	296	233
28	JKMH1581	267	235	171	179	205	212	164	193	203	180	185	212	189	209	287	223
29	KMH-005	280	207	162	178	221	210	189	189	224	169	195	209	220	201	298	233
30	KMH-1(CAH1612)	232	221	136	180	187	192	153	166	187	172	170	221	187	210	271	223
31	KNMH-4185	268	220	164	176	220	208	185	186	220	157	188	208	200	215	268	225
32	KNMH-4187	246	219	150	168	192	195	156	175	206	165	175	223	192	205	274	224
33	MAH-14-138	225	196	149	171	174	184	179	171	197	184	182	209	200	210	270	220
34	MAH-14-239	236	194	129	176	193	185	151	183	195	166	174	220	205	200	269	223
35	MFH18-13	.	.	141	172	178	.	.	.	.	184	.	205	.	197	.	.

Table No. 5 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	225	213	132	158	171	182	145	168	190	157	164	207	194	183	248	209
37	MM2033	255	252	150	159	212	206	188	194	210	171	191	199	210	210	284	227
38	MM2828	241	199	141	169	174	185	163	175	192	173	176	202	194	193	265	213
39	MM9207	267	226	163	168	202	204	185	191	205	173	190	196	209	216	290	228
40	OMH 17-2	278	223	151	169	215	207	179	188	205	171	187	208	203	209	269	222
41	PHM1801 (CAH1801)	262	189	137	186	197	193	163	198	192	171	182	211	195	205	286	225
42	PM18101L	261	251	165	176	208	212	188	203	205	170	192	207	208	215	283	226
43	PM18102L	276	249	162	156	199	206	204	197	225	163	198	225	215	205	285	235
44	PM18103L	294	238	154	164	225	215	200	214	221	162	200	217	207	217	286	232
45	PM18104L	278	250	166	165	205	213	206	207	218	169	200	216	216	218	275	231
46	PM18105L	257	224	161	175	198	204	182	183	198	171	182	217	219	197	262	224
47	PM18106L	276	203	173	183	208	209	182	199	217	184	195	209	215	228	294	236
48	QMH 1590	254	238	166	172	196	205	164	173	196	174	177	205	206	203	295	226
49	QMH1571	240	221	159	173	190	198	186	184	185	164	179	209	194	198	267	217
50	Rasi 4992	246	203	151	167	204	195	167	177	200	170	178	215	191	203	257	215
51	Rasi 70197	242	211	151	174	199	195	141	182	208	160	174	210	180	207	268	217
52	STARX-5	270	217	164	158	213	205	177	192	210	165	186	217	208	208	265	226
53	SUPER-4050	259	210	154	177	197	198	162	182	207	173	181	194	198	214	280	223
54	SYN816514	238	231	156	172	217	201	177	193	216	165	188	200	205	209	297	228
55	TS2505	242	190	137	160	176	182	163	183	196	191	183	222	185	204	283	222
56	TS2601	278	211	162	165	205	205	188	199	220	173	194	214	204	219	281	229
57	X5826	245	205	152	172	198	194	144	167	203	169	170	221	181	198	259	215
58	X5873	245	209	164	167	198	198	154	192	209	166	179	213	201	200	263	219
59	Filler (DHM-117)	263	257	151	170	206	210	182	187	212	168	189	203	219	211	279	227
60	BIO 9682 ©	246	185	147	172	188	188	170	172	199	183	181	222	188	178	275	217
61	CMH 08-282 ©	284	217	172	181	233	216	177	202	214	185	196	197	217	227	293	235
62	CMH 08-287 ©	279	228	169	166	204	209	194	207	225	174	200	206	217	220	274	229
63	NK 6240 ©	271	213	146	162	192	197	163	188	203	174	181	206	197	184	277	215
	Location Mean	258	217	154	171	196	199	173	188	206	172	185	211	202	206	276	223
	CV (%)	4.6	13.7	5.6	7.3	8.3	8.8	6.5	4.9	6.2	8.8	6.7	8.4	6.4	8.4	5.8	7.2
	F (Prob)	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.9	0.0	0.3	0.1	0.0
	CD (5%)	19.3	48.1	14.0	20.2	26.5	13.2	18.2	14.9	20.8	24.5	10.4	28.5	20.8	28.1	25.8	13.4
	CD (1%)	25.6	63.7	18.6	26.8	35.0	17.4	24.1	19.8	27.5	32.4	13.7	37.8	27.6	37.2	34.2	17.6

Table No. 5 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	PZ										All India
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	193	196	183	111	142	204	155	216	140	172	187
2	AH 1625	205	206	204	129	165	219	165	216	170	187	200
3	AH 8087	201	209	190	129	145	211	152	223	158	179	189
4	AH 8323	200	217	188	128	154	213	171	214	154	182	194
5	BH416112	203	208	207	125	134	203	161	202	162	178	192
6	BIO 534	198	209	199	109	150	218	146	204	142	175	191
7	BIO 536	198	222	191	125	157	220	164	214	153	183	195
8	BLH135	200	237	215	130	149	225	167	220	141	187	196
9	BLH137	209	240	204	114	149	219	166	225	145	186	198
10	BRMH-16039	191	196	192	115	146	210	159	201	126	171	184
11	CMH14-716	202	217	210	126	174	217	169	220	164	188	200
12	CMH14-722	190	211	184	118	138	211	148	216	148	174	189
13	CP808 SUPER	192	202	173	108	142	203	139	209	137	167	183
14	DH-315	177	187	179	111	127	196	143	192	130	160	175
15	FAUJI	172	201	188	103	127	196	126	184	145	161	180
16	GK3124	197	204	198	120	156	226	162	216	148	181	194
17	GK3164	201	204	197	123	144	221	156	209	145	178	192
18	HKH-366	199	206	186	116	145	204	153	198	123	170	184
19	HT18007	188	199	184	112	134	210	149	205	141	169	188
20	IMHSB-17K-08	209	209	198	126	147	225	164	200	155	182	196
21	IMHVS-005	185	204	176	108	135	199	140	194	130	163	180
22	JH 15002	216	222	210	131	153	229	180	223	153	191	197
23	JH 16026	211	221	182	125	159	220	158	231	157	185	199
24	JH 16224	204	205	202	131	165	204	165	217	149	182	198
25	JH 17014	191	210	191	135	169	215	160	224	149	183	197
26	JH 17026	213	219	210	136	168	225	173	215	162	192	205
27	JH 17029	210	206	202	126	157	208	175	208	156	183	197
28	JKMH1581	199	215	217	130	136	230	172	216	158	186	199
29	KMH-005	215	224	207	128	162	218	179	214	155	189	203
30	KMH-1(CAH1612)	178	200	177	105	133	196	135	192	132	160	180
31	KNMH-4185	203	221	202	123	152	230	178	214	135	184	197
32	KNMH-4187	176	207	190	113	135	199	145	185	138	165	184
33	MAH-14-138	178	193	172	120	140	185	132	180	128	159	180
34	MAH-14-239	195	200	179	100	151	199	142	213	135	168	183
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Plant Height (cm)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	183	200	184	91	134	207	151	194	134	164	176
37	MM2033	200	217	190	123	160	229	156	210	143	181	197
38	MM2828	193	190	169	110	145	200	140	198	131	164	180
39	MM9207	204	213	203	115	137	212	152	229	135	178	195
40	OMH 17-2	200	210	199	109	141	214	146	203	146	175	193
41	PHM1801 (CAH1801)	188	197	174	103	136	199	150	194	133	164	185
42	PM18101L	210	205	184	126	161	213	163	219	160	182	199
43	PM18102L	220	222	194	129	144	221	181	243	160	191	203
44	PM18103L	222	232	211	134	162	235	180	216	169	196	208
45	PM18104L	205	220	223	129	155	220	170	230	159	190	204
46	PM18105L	210	206	182	128	147	214	157	216	159	180	194
47	PM18106L	209	226	221	131	171	230	174	223	157	193	205
48	QMH 1590	188	200	174	108	144	202	150	211	137	168	189
49	QMH1571	192	197	184	117	152	212	167	194	136	173	188
50	Rasi 4992	189	198	204	113	156	198	144	191	135	170	186
51	Rasi 70197	181	197	182	97	155	210	142	182	134	164	183
52	STARX-5	208	205	190	128	160	222	168	214	148	183	196
53	SUPER-4050	201	200	198	112	149	208	146	217	149	175	190
54	SYN816514	204	219	183	111	164	218	155	218	151	180	195
55	TS2505	195	197	195	108	146	208	139	205	152	171	185
56	TS2601	202	230	183	119	161	228	165	190	125	179	197
57	X5826	184	208	173	111	136	200	151	208	145	168	183
58	X5873	202	215	191	131	159	218	149	203	157	181	192
59	Filler (DHM-117)	205	222	204	130	146	214	172	214	155	185	199
60	BIO 9682 ©	184	206	180	103	130	203	129	195	143	164	182
61	CMH 08-282 ©	201	226	207	137	176	217	166	215	165	190	205
62	CMH 08-287 ©	200	241	214	144	181	240	176	225	164	198	206
63	NK 6240 ©	201	207	184	120	152	206	144	196	140	172	187
	Location Mean	198	210	193	119	150	213	157	209	147	177	192
	CV (%)	5.1	3.9	5.0	7.3	9.3	3.0	5.7	6.3	7.0	5.7	7.1
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	16.3	13.3	15.5	14.1	22.6	10.3	14.6	21.4	16.7	5.8	4.9
	CD (1%)	21.6	17.6	20.5	18.6	29.9	13.7	19.3	28.4	22.1	7.6	6.5

Table No. 5 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	93	110	73	82	90	90	102	90	100	76	92	112	115	120	118	114
2	AH 1625	116	108	76	90	98	97	106	59	111	88	102	121	124	134	133	131
3	AH 8087	93	113	68	81	88	88	80	105	89	92	86	93	100	102	114	101
4	AH 8323	110	99	73	73	104	93	92	95	108	83	94	104	115	115	116	113
5	BH416112	101	112	71	76	90	89	73	86	90	74	79	125	123	119	114	118
6	BIO 534	96	97	66	69	97	85	85	86	102	75	89	109	105	130	115	114
7	BIO 536	95	105	70	84	91	89	83	86	93	85	86	103	111	108	115	110
8	BLH135	102	101	71	87	91	91	95	98	103	69	88	104	105	123	119	114
9	BLH137	113	110	85	88	100	99	99	103	106	79	95	121	110	121	129	119
10	BRMH-16039	86	93	57	77	83	79	82	71	83	78	81	109	90	119	108	107
11	CMH14-716	101	105	83	73	87	90	88	92	101	85	91	111	116	106	124	111
12	CMH14-722	94	114	68	71	96	88	93	80	97	83	92	115	105	113	120	115
13	CP808 SUPER	91	92	58	69	96	81	73	100	83	84	80	112	100	115	112	108
14	DH-315	78	102	44	82	78	77	61	80	79	93	77	103	84	92	106	95
15	FAUJI	95	114	71	86	89	91	88	75	90	87	89	107	103	119	128	113
16	GK3124	96	116	66	78	91	90	88	60	93	88	89	114	119	118	115	117
17	GK3164	99	92	68	82	102	88	92	111	91	88	90	112	105	128	121	117
18	HKH-366	86	89	71	70	82	81	86	97	89	92	89	104	98	122	112	109
19	HT18007	93	126	67	79	91	90	88	102	98	80	88	110	108	126	132	121
20	IMHSB-17K-08	90	103	60	82	98	87	90	85	99	81	90	135	100	112	115	113
21	IMHVS-005	95	107	70	72	88	87	97	52	95	76	88	110	109	114	119	113
22	JH 15002	104	105	69	89	93	92	95	62	106	72	92	120	120	123	113	119
23	JH 16026	105	103	77	77	94	91	104	119	107	79	97	127	110	113	124	119
24	JH 16224	100	117	68	89	97	95	84	109	97	85	88	112	115	131	119	120
25	JH 17014	106	102	68	81	100	91	106	104	94	77	91	112	110	122	136	120
26	JH 17026	106	103	67	78	95	90	102	95	87	93	95	109	103	139	131	121
27	JH 17029	104	106	74	72	94	90	92	64	90	71	84	106	107	107	121	111
28	JKMH1581	100	123	77	80	93	95	76	95	89	84	84	112	97	106	111	106
29	KMH-005	104	105	65	83	105	93	93	102	104	76	93	113	117	117	127	118
30	KMH-1(CAH1612)	93	105	63	80	93	87	91	80	93	81	88	129	102	116	127	119
31	KNMH-4185	93	108	63	76	98	87	96	104	93	70	86	111	103	127	112	117
32	KNMH-4187	99	110	74	80	95	92	85	87	90	64	81	118	104	125	119	116
33	MAH-14-138	91	99	73	76	88	86	88	80	98	87	90	109	114	137	123	118
34	MAH-14-239	96	105	68	80	94	88	81	103	88	88	85	119	107	89	117	108
35	MFH18-13	.	.	66	84	82	.	.	.	.	88	.	113	.	113	.	.

Table No. 5 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	CWZ						NEPZ					NWPZ				
		Ambi_CG	Bans_RJ	Chind_MP	Godh_GJ	Udai_Raj	Z_CWZ	BHU_UP	Bhub_OD	Ranc_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karn_HR	Ludh_PB	Pant_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	86	112	60	72	82	83	81	80	94	70	80	109	104	108	115	110
37	MM2033	92	116	64	81	95	90	92	87	96	77	89	102	111	108	125	111
38	MM2828	96	97	61	82	91	85	91	81	98	80	91	108	100	117	112	109
39	MM9207	105	117	75	76	102	94	96	112	98	82	93	108	120	118	126	118
40	OMH 17-2	114	99	66	68	105	90	88	87	100	90	93	101	110	113	115	110
41	PHM1801 (CAH1801)	97	97	64	82	107	89	93	95	94	81	90	110	105	124	122	116
42	PM18101L	103	110	74	75	93	91	97	97	102	76	93	113	103	112	118	109
43	PM18102L	98	119	73	66	94	89	100	81	106	75	93	123	110	127	121	124
44	PM18103L	111	128	72	83	104	100	100	105	104	73	94	118	111	121	120	117
45	PM18104L	109	115	79	69	98	94	117	105	109	76	100	118	110	140	115	122
46	PM18105L	90	108	64	83	97	88	88	100	90	78	85	122	111	105	108	111
47	PM18106L	100	94	77	75	89	87	85	83	98	88	89	110	109	130	128	119
48	QMH 1590	99	112	72	75	101	92	85	83	94	83	86	105	108	105	133	111
49	QMH1571	89	118	75	86	84	91	89	74	82	87	86	114	112	97	111	109
50	Rasi 4992	85	95	58	84	96	84	79	77	91	82	85	118	96	105	103	105
51	Rasi 70197	93	106	71	74	98	88	74	86	84	75	79	108	93	113	117	109
52	STARX-5	94	109	74	69	97	89	94	388	90	76	86	111	105	120	117	115
53	SUPER-4050	94	103	63	81	93	86	81	82	96	87	87	102	96	105	120	107
54	SYN816514	90	113	72	77	104	91	87	90	105	78	90	102	109	112	133	115
55	TS2505	86	93	65	72	88	81	80	83	92	85	84	115	98	104	129	110
56	TS2601	101	108	73	76	104	93	93	88	95	80	89	116	111	125	117	117
57	X5826	91	106	63	88	85	87	70	47	98	75	80	116	90	108	107	106
58	X5873	99	102	75	83	90	90	72	114	98	78	82	112	109	109	114	110
59	Filler (DHM-117)	106	117	68	83	101	96	92	94	103	78	92	109	126	110	122	116
60	BIO 9682 ©	103	109	72	82	93	92	94	90	99	84	93	116	99	99	121	110
61	CMH 08-282 ©	116	118	85	92	113	104	95	125	101	85	94	112	128	134	139	130
62	CMH 08-287 ©	114	109	81	67	99	93	103	105	110	92	101	110	118	134	122	122
63	NK 6240 ©	113	116	71	60	96	91	91	110	97	81	90	109	109	118	121	114
	Location Mean	98	107	69	78	94	89	89	95	96	81	89	112	107	117	120	114
	CV (%)	6.9	12.5	7.1	14.7	7.2	10.3	9.1	71.1	8.6	11.4	9.7	11.0	11.7	12.3	8.2	10.9
	F (Prob)	0.0	0.4	0.0	0.7	0.0	0.0	0.0	0.5	0.0	0.1	0.0	0.6	0.1	0.0	0.0	0.0
	CD (5%)	10.9	21.7	7.9	18.6	11.0	7.0	13.1	109.3	13.4	15.0	8.3	19.9	20.3	23.3	15.9	10.2
	CD (1%)	14.4	28.7	10.5	24.6	14.6	9.2	17.4	144.6	17.7	19.8	10.9	26.3	26.8	30.8	21.1	13.4

Table No. 5 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	PZ										All India
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 7132	99	92	66	53	74	98	67	113	72	81	91
2	AH 1625	100	89	74	59	74	106	78	111	81	86	99
3	AH 8087	99	86	63	49	74	97	57	117	74	80	87
4	AH 8323	104	90	75	61	70	107	77	115	75	86	94
5	BH416112	105	90	77	52	66	99	68	108	77	82	90
6	BIO 534	100	89	74	40	73	104	62	109	75	81	89
7	BIO 536	106	91	68	47	77	106	72	111	76	84	90
8	BLH135	100	112	74	58	67	114	77	113	72	87	93
9	BLH137	104	117	86	53	84	115	79	119	80	93	100
10	BRMH-16039	92	74	67	41	72	101	59	108	58	75	83
11	CMH14-716	101	91	90	51	93	100	65	115	80	87	93
12	CMH14-722	97	92	73	51	67	102	68	114	79	83	91
13	CP808 SUPER	97	88	59	38	63	96	51	105	69	74	83
14	DH-315	79	72	59	44	55	82	56	98	63	67	76
15	FAUJI	78	85	72	48	65	94	61	105	71	76	89
16	GK3124	99	86	76	47	77	103	66	113	73	83	92
17	GK3164	102	92	70	50	68	104	58	109	74	81	91
18	HKH-366	103	90	70	50	73	103	68	109	71	82	88
19	HT18007	96	88	64	50	70	108	67	110	71	81	92
20	IMHSB-17K-08	110	78	69	59	75	105	59	107	73	82	90
21	IMHVS-005	97	92	64	45	66	93	59	107	74	78	88
22	JH 15002	110	101	74	53	69	118	85	118	80	90	96
23	JH 16026	111	98	62	56	80	104	76	121	79	87	95
24	JH 16224	108	88	68	52	80	97	68	115	76	83	94
25	JH 17014	96	92	69	57	95	102	66	120	67	85	94
26	JH 17026	111	88	78	58	73	103	67	116	74	86	95
27	JH 17029	105	83	67	49	70	96	73	107	71	80	89
28	JKMH1581	99	87	80	54	58	106	67	109	71	81	89
29	KMH-005	114	85	83	49	68	100	75	110	70	84	94
30	KMH-1(CAH1612)	89	89	65	42	62	97	53	102	63	73	87
31	KNMH-4185	103	83	66	50	72	109	77	112	70	82	90
32	KNMH-4187	92	93	77	51	74	99	61	100	69	79	90
33	MAH-14-138	92	95	71	53	71	92	60	98	74	79	90
34	MAH-14-239	98	97	74	47	71	100	63	113	70	81	88
35	MFH18-13	.	.	.	.	.	.	.	.	.	.	.

Table No. 5 (Contd.) **Ear Height (cm)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolha_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vegarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
36	MFH18-14	100	96	71	40	75	107	67	105	71	81	87
37	MM2033	101	87	65	44	69	107	66	106	67	79	89
38	MM2828	92	79	61	43	72	95	57	104	60	74	86
39	MM9207	99	93	78	51	76	109	63	121	67	84	94
40	OMH 17-2	105	96	67	40	72	104	60	112	70	81	90
41	PHM1801 (CAH1801)	95	84	63	43	72	97	64	105	67	77	89
42	PM18101L	105	83	68	49	76	96	70	113	73	82	91
43	PM18102L	114	94	70	49	73	103	76	131	81	88	96
44	PM18103L	111	98	75	54	79	110	76	116	82	89	98
45	PM18104L	109	106	92	60	86	110	80	118	86	94	100
46	PM18105L	104	83	64	46	68	102	63	116	72	80	89
47	PM18106L	106	90	80	49	81	101	64	119	74	85	93
48	QMH 1590	95	96	64	41	72	103	60	117	72	80	90
49	QMH1571	100	93	73	48	82	104	80	108	69	84	91
50	Rasi 4992	98	78	82	42	74	92	51	100	63	76	85
51	Rasi 70197	95	85	70	41	75	101	56	99	65	76	86
52	STARX-5	101	81	67	49	63	101	61	110	76	79	89
53	SUPER-4050	100	80	74	41	62	98	67	114	71	78	87
54	SYN816514	107	99	75	46	95	112	63	119	78	88	94
55	TS2505	98	81	71	40	72	101	57	115	75	79	86
56	TS2601	103	97	72	52	87	114	64	113	64	85	94
57	X5826	92	83	64	41	65	95	58	110	70	75	84
58	X5873	105	104	81	55	81	105	61	108	82	87	92
59	Filler (DHM-117)	104	100	84	50	76	107	72	114	76	87	96
60	BIO 9682 ©	97	96	77	43	71	101	59	110	75	81	91
61	CMH 08-282 ©	97	101	83	67	70	110	80	120	72	89	101
62	CMH 08-287 ©	101	111	85	68	96	120	89	121	86	97	101
63	NK 6240 ©	108	107	78	55	82	105	62	112	71	87	93
	Location Mean	101	91	72	49	74	103	66	112	73	82	91
	CV (%)	6.3	8.3	10.8	10.0	16.6	4.7	10.4	6.6	6.3	8.9	10.0
	F (Prob)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	10.2	12.2	12.7	8.0	19.8	7.8	11.2	11.9	7.4	4.1	3.3
	CD (1%)	13.5	16.2	16.8	10.6	26.2	10.3	14.8	15.8	9.8	5.4	4.4

Table No. 6: Trial No. 493 (Medium Maturity) AVT-I-II **Yield (Kg/ha)**

S. No.	Entry	NHZ																All India	
		Bajuara_HP		Barapani_MG		Dhaulakuan_HP		Gossai_ASSAM		Kangra_HP		Pooch_JK		Rajouri_JK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	DKC7173(1Q7802)	13829.61	5	5630.23	5	6949.38	5	17336.05	3	7296.43	5	7621.95	5	7740.62	3	10129.01	2	10129.01	2
2	DKC8181(IR8004)	14049.68	4	6333.2	4	6511.7	7	16264.82	5	6856.22	10	6961.27	7	6867.98	10	9585.28	5	9585.28	5
3	IMHBG-17K-15	14194.72	3	4589.72	10	6312.96	8	17035.89	4	6707.7	12	6479.63	13	7731.84	4	9743.79	4	9743.79	4
4	INDAM 1122	16064.63	1	9006.87	1	5428.91	15	11292.79	11	6368.43	14	6898.02	9	7149.13	7	8866.98	11	8866.98	11
5	JKMH15303	12412.45	8	5402.31	7	5863.14	11	13116.27	8	6764.37	11	6139.35	15	6424.98	12	8453.43	14	8453.43	14
6	KMH-16-25	11048.21	13	938.13	15	8680.23	2	8303	15	10572.55	2	6282.4	14	6593.04	11	8579.9	13	8579.9	13
7	KMH-16-29	11515.75	12	4387.18	11	8659.21	3	11805.79	10	10481.99	3	7051.5	6	7860.25	1	9562.42	6	9562.42	6
8	KMH-16-40	10700.17	15	1641.08	14	8858.97	1	8643.8	14	10463.64	4	6867.5	10	7844.36	2	8896.41	10	8896.41	10
9	KMH-16-42	10958.32	14	3592.44	13	8562.68	4	9989.65	12	10578.2	1	6904.23	8	6943.58	9	8989.44	8	8989.44	8
10	LMH 1016	11651.61	10	5568.89	6	5471.25	14	9677.39	13	6592.35	13	7727.14	4	6420.36	13	7923.35	15	7923.35	15
11	NMH-4053	13695.21	6	5378.69	8	5733.17	12	19733.71	1	7004.45	8	8447.51	2	5695.39	15	10051.57	3	10051.57	3
12	PM17102M	13006.08	7	4018.34	12	6938.26	6	19560.23	2	7127.57	7	8814.35	1	6151.38	14	10266.31	1	10266.31	1
13	Bio 9544 (C)	14533.45	2	4990.5	9	5977.27	9	12879.07	9	7149.99	6	7831.82	3	7441.96	5	9302.26	7	9302.26	7
14	CMH-08-292 (C)	12027.81	9	6600.25	3	5872.66	10	14573.69	6	6888.75	9	6633.6	12	7427.2	6	8903.95	9	8903.95	9
15	DHM-121 (C)	11591.35	11	7312.67	2	5696.01	13	14485.19	7	6224.46	15	6706.26	11	7046.78	8	8625.01	12	8625.01	12
	Location Mean	12751.94	.	5026.03	.	6767.72	.	13646.49	.	7805.14	.	7157.77	.	7022.59	.	9191.94	.	9191.94	.
	CV (%)	9.93	.	51.4	.	9.29	.	24.6	.	6.53	.	11.98	.	12.86	.	17.25	.	17.25	.
	F (Prob)	0	.	0.08	.	0	.	0	.	0	.	0.02	.	0.13	.	0	.	0	.
	CD (5%)	2117.1	.	4320.72	.	1051	.	5615.56	.	852.99	.	1433.72	.	1510.94	.	1043.3	.	1043.3	.
	CD (1%)	2855.93	.	5828.56	.	1417.78	.	7575.28	.	1150.66	.	1934.06	.	2038.22	.	1376.88	.	1376.88	.

Table No. 6 (Contd.) **% superiority over Bio 9544 (C)**

S. No.	Entry	NHZ																All India	
		Bajuara_HP		Barapani_MG		Dhaulakuan_HP		Gossai_ASSAM		Kangra_HP		Pooch_JK		Rajouri_JK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC7173(1Q7802)	-4.84	5	12.82	5	16.26	5	34.61	3	2.05	5	-2.68	5	4.01	3	8.89	2	8.89	2
2	DKC8181(IR8004)	-3.33	4	26.91	4	8.94	7	26.29	5	-4.11	10	-11.12	7	-7.71	10	3.04	5	3.04	5
3	IMHBG-17K-15	-2.33	3	-8.03	10	5.62	8	32.28	4	-6.19	12	-17.27	13	3.9	4	4.75	4	4.75	4
4	INDAM 1122	10.54	1	80.48	1	-9.17	15	-12.32	11	-10.93	14	-11.92	9	-3.93	7	-4.68	11	-4.68	11
5	JKMH15303	-14.59	8	8.25	7	-1.91	11	1.84	8	-5.39	11	-21.61	15	-13.67	12	-9.13	14	-9.13	14
6	KMH-16-25	-23.98	13	-81.2	15	45.22	2	-35.53	15	47.87	2	-19.78	14	-11.41	11	-7.77	13	-7.77	13
7	KMH-16-29	-20.76	12	-12.09	11	44.87	3	-8.33	10	46.6	3	-9.96	6	5.62	1	2.8	6	2.8	6
8	KMH-16-40	-26.38	15	-67.12	14	48.21	1	-32.88	14	46.34	4	-12.31	10	5.41	2	-4.36	10	-4.36	10
9	KMH-16-42	-24.6	14	-28.01	13	43.25	4	-22.44	12	47.95	1	-11.84	8	-6.7	9	-3.36	8	-3.36	8
10	LMH 1016	-19.83	10	11.59	6	-8.47	14	-24.86	13	-7.8	13	-1.34	4	-13.73	13	-14.82	15	-14.82	15
11	NMH-4053	-5.77	6	7.78	8	-4.08	12	53.22	1	-2.04	8	7.86	2	-23.47	15	8.06	3	8.06	3
12	PM17102M	-10.51	7	-19.48	12	16.08	6	51.88	2	-0.31	7	12.55	1	-17.34	14	10.36	1	10.36	1
13	Bio 9544 (C)	0	2	0	9	0	9	0	9	0	6	0	3	0	5	0	7	0	7
14	CMH-08-292 (C)	-17.24	9	32.26	3	-1.75	10	13.16	6	-3.65	9	-15.3	12	-0.2	6	-4.28	9	-4.28	9
15	DHM-121 (C)	-20.24	11	46.53	2	-4.71	13	12.47	7	-12.94	15	-14.37	11	-5.31	8	-7.28	12	-7.28	12

Table No. 6 (Contd.) **% superiority over CMH-08-292 (C)**

S. No.	Entry	NHZ																All India	
		Bajuara_HP		Barapani_MG		Dhaulakuan_HP		Gossai_ASSAM		Kangra_HP		Pooch_JK		Rajouri_JK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC7173(1Q7802)	14.98	5	-14.7	5	18.33	5	18.95	3	5.92	5	14.9	5	4.22	3	13.76	2	13.76	2
2	DKC8181(IR8004)	16.81	4	-4.05	4	10.88	7	11.6	5	-0.47	10	4.94	7	-7.53	10	7.65	5	7.65	5
3	IMHBG-17K-15	18.02	3	-30.46	10	7.5	8	16.89	4	-2.63	12	-2.32	13	4.1	4	9.43	4	9.43	4
4	INDAM 1122	33.56	1	36.46	1	-7.56	15	-22.51	11	-7.55	14	3.99	9	-3.74	7	-0.42	11	-0.42	11
5	JKMH15303	3.2	8	-18.15	7	-0.16	11	-10	8	-1.81	11	-7.45	15	-13.49	12	-5.06	14	-5.06	14
6	KMH-16-25	-8.14	13	-85.79	15	47.81	2	-43.03	15	53.48	2	-5.29	14	-11.23	11	-3.64	13	-3.64	13
7	KMH-16-29	-4.26	12	-33.53	11	47.45	3	-18.99	10	52.16	3	6.3	6	5.83	1	7.4	6	7.4	6
8	KMH-16-40	-11.04	15	-75.14	14	50.85	1	-40.69	14	51.89	4	3.53	10	5.62	2	-0.08	10	-0.08	10
9	KMH-16-42	-8.89	14	-45.57	13	45.81	4	-31.45	12	53.56	1	4.08	8	-6.51	9	0.96	8	0.96	8
10	LMH 1016	-3.13	10	-15.63	6	-6.84	14	-33.6	13	-4.3	13	16.48	4	-13.56	13	-11.01	15	-11.01	15
11	NMH-4053	13.86	6	-18.51	8	-2.38	12	35.41	1	1.68	8	27.34	2	-23.32	15	12.89	3	12.89	3
12	PM17102M	8.13	7	-39.12	12	18.15	6	34.22	2	3.47	7	32.87	1	-17.18	14	15.3	1	15.3	1
13	Bio 9544 (C)	20.83	2	-24.39	9	1.78	9	-11.63	9	3.79	6	18.06	3	0.2	5	4.47	7	4.47	7
14	CMH-08-292 (C)	0	9	0	3	0	10	0	6	0	9	0	12	0	6	0	9	0	9
15	DHM-121 (C)	-3.63	11	10.79	2	-3.01	13	-0.61	7	-9.64	15	1.1	11	-5.12	8	-3.13	12	-3.13	12

Table No. 6 (Contd.) **% superiorityover DHM-121 (C)**

S. No.	Entry	NHZ																All India	
		Bajuara_HP		Barapani_MG		Dhaulakuan_HP		Gossai_ASSAM		Kangra_HP		Pooch_JK		Rajouri_JK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC7173(1Q7802)	19.31	5	-23.01	5	22	5	19.68	3	17.22	5	13.65	5	9.85	3	17.44	2	17.44	2
2	DKC8181(IR8004)	21.21	4	-13.39	4	14.32	7	12.29	5	10.15	10	3.8	7	-2.54	10	11.13	5	11.13	5
3	IMHBG-17K-15	22.46	3	-37.24	10	10.83	8	17.61	4	7.76	12	-3.38	13	9.72	4	12.97	4	12.97	4
4	INDAM 1122	38.59	1	23.17	1	-4.69	15	-22.04	11	2.31	14	2.86	9	1.45	7	2.81	11	2.81	11
5	JKMH15303	7.08	8	-26.12	7	2.93	11	-9.45	8	8.67	11	-8.45	15	-8.82	12	-1.99	14	-1.99	14
6	KMH-16-25	-4.69	13	-87.17	15	52.39	2	-42.68	15	69.85	2	-6.32	14	-6.44	11	-0.52	13	-0.52	13
7	KMH-16-29	-0.65	12	-40.01	11	52.02	3	-18.5	10	68.4	3	5.15	6	11.54	1	10.87	6	10.87	6
8	KMH-16-40	-7.69	15	-77.56	14	55.53	1	-40.33	14	68.11	4	2.4	10	11.32	2	3.15	10	3.15	10
9	KMH-16-42	-5.46	14	-50.87	13	50.33	4	-31.04	12	69.95	1	2.95	8	-1.46	9	4.23	8	4.23	8
10	LMH 1016	0.52	10	-23.85	6	-3.95	14	-33.19	13	5.91	13	15.22	4	-8.89	13	-8.14	15	-8.14	15
11	NMH-4053	18.15	6	-26.45	8	0.65	12	36.23	1	12.53	8	25.96	2	-19.18	15	16.54	3	16.54	3
12	PM17102M	12.21	7	-45.05	12	21.81	6	35.04	2	14.51	7	31.43	1	-12.71	14	19.03	1	19.03	1
13	Bio 9544 (C)	25.38	2	-31.76	9	4.94	9	-11.09	9	14.87	6	16.78	3	5.61	5	7.85	7	7.85	7
14	CMH-08-292 (C)	3.77	9	-9.74	3	3.1	10	0.61	6	10.67	9	-1.08	12	5.4	6	3.23	9	3.23	9
15	DHM-121 (C)	0	11	0	2	0	13	0	7	0	15	0	11	0	8	0	12	0	12

Table No. 6 (Contd.) **Moisture%**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	20	21	28	22	32	21	19	23	23
2	DKC8181(IR8004)	20	20	28	23	31	21	19	23	23
3	IMHBG-17K-15	20	19	28	22	31	20	19	23	23
4	INDAM 1122	20	20	29	24	32	20	21	24	24
5	JKMH15303	20	20	28	23	33	21	19	23	23
6	KMH-16-25	19	18	25	23	26	21	19	22	22
7	KMH-16-29	20	20	26	25	26	20	21	22	22
8	KMH-16-40	20	20	26	20	26	20	20	22	22
9	KMH-16-42	19	19	27	24	26	20	20	22	22
10	LMH 1016	20	19	29	23	29	19	19	22	22
11	NMH-4053	20	19	28	22	31	21	20	23	23
12	PM17102M	20	20	29	23	32	19	20	23	23
13	Bio 9544 (C)	20	17	27	24	32	20	20	23	23
14	CMH-08-292 (C)	20	20	29	23	29	20	20	23	23
15	DHM-121 (C)	20	19	27	23	31	20	20	23	23
	Location Mean	20	19	28	23	30	20	20	23	23
	CV (%)	1.3	12.6	2.8	11.3	3.4	3.6	4.3	6.6	6.6
	F (Prob)	0.0	1.0	0.0	0.9	0.0	0.0	0.1	0.0	0.0
	CD (5%)	0.4	4.1	1.3	4.3	1.7	1.2	1.4	0.9	0.9
	CD (1%)	0.6	5.5	1.7	5.8	2.3	1.6	1.9	1.2	1.2

Table No. 6 (Contd.) **Shelling%**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	84	80	78	65	79	84	82	79	79
2	DKC8181(IR8004)	85	80	76	67	79	80	84	79	79
3	IMHBG-17K-15	84	80	78	65	78	81	82	78	78
4	INDAM 1122	81	80	78	66	79	83	81	78	78
5	JKMH15303	82	80	77	66	78	81	80	78	78
6	KMH-16-25	84	80	79	64	81	83	84	79	79
7	KMH-16-29	85	80	80	71	80	80	83	80	80
8	KMH-16-40	84	80	80	68	81	85	81	80	80
9	KMH-16-42	82	80	80	70	80	80	80	79	79
10	LMH 1016	83	80	77	59	79	83	82	78	78
11	NMH-4053	86	80	77	69	79	83	83	80	80
12	PM17102M	82	80	79	68	78	82	82	79	79
13	Bio 9544 (C)	85	80	76	59	79	80	83	77	77
14	CMH-08-292 (C)	85	80	76	62	80	81	80	78	78
15	DHM-121 (C)	82	80	77	60	78	83	82	78	78
	Location Mean	84	80	78	65	79	82	82	79	79
	CV (%)	0.0	0.0	0.8	6.3	0.6	1.3	1.4	2.2	2.2
	F (Prob)	0.0	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	0.0	0.0	1.0	6.9	0.7	1.8	1.9	1.0	1.0
	CD (1%)	0.0	0.0	1.4	9.3	1.0	2.4	2.5	1.4	1.4

Table No. 6 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	63	65	56	47	58	55	56	57	57
2	DKC8181(IR8004)	62	64	54	50	58	55	52	57	57
3	IMHBG-17K-15	63	67	59	50	59	59	57	59	59
4	INDAM 1122	62	67	55	49	59	60	54	58	58
5	JKMH15303	65	68	58	52	62	57	57	60	60
6	KMH-16-25	56	62	50	44	52	60	58	55	55
7	KMH-16-29	58	62	50	45	52	58	53	54	54
8	KMH-16-40	58	61	51	44	52	56	52	54	54
9	KMH-16-42	56	64	46	44	51	54	54	53	53
10	LMH 1016	65	66	59	52	60	60	53	59	59
11	NMH-4053	66	66	56	50	60	58	53	58	58
12	PM17102M	60	65	52	47	56	57	52	55	55
13	Bio 9544 (C)	64	66	60	49	60	60	56	59	59
14	CMH-08-292 (C)	61	67	55	50	59	58	54	58	58
15	DHM-121 (C)	65	68	60	51	60	57	53	59	59
	Location Mean	62	65	55	48	57	58	54	57	57
	CV (%)	1.7	4.1	2.2	2.6	2.4	6.0	6.4	4.0	4.0
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.5	0.5	0.0	0.0
	CD (5%)	1.7	4.5	2.0	2.1	2.3	5.8	5.8	1.4	1.4
	CD (1%)	2.3	6.0	2.7	2.9	3.1	7.9	7.8	1.9	1.9

Table No. 6 (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	65	68	59	50	61	59	59	60	60
2	DKC8181(IR8004)	65	67	57	53	62	57	55	60	60
3	IMHBG-17K-15	65	70	62	53	62	62	60	62	62
4	INDAM 1122	65	70	59	53	63	63	56	61	61
5	JKMH15303	67	71	61	54	65	59	59	62	62
6	KMH-16-25	59	65	55	48	55	62	60	58	58
7	KMH-16-29	61	65	53	49	56	61	55	57	57
8	KMH-16-40	60	65	54	47	56	59	53	56	56
9	KMH-16-42	59	67	50	47	54	56	55	55	55
10	LMH 1016	68	69	62	54	63	63	56	62	62
11	NMH-4053	68	69	59	53	64	61	56	61	61
12	PM17102M	63	68	56	50	59	59	55	58	58
13	Bio 9544 (C)	66	69	63	52	63	62	59	62	62
14	CMH-08-292 (C)	63	70	58	53	62	61	56	60	60
15	DHM-121 (C)	67	71	63	53	64	59	55	62	62
	Location Mean	64	68	58	51	61	60	57	60	60
	CV (%)	1.3	3.9	2.1	2.4	2.6	6.0	6.3	3.9	3.9
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.4	0.4	0.0	0.0
	CD (5%)	1.4	4.5	2.0	2.1	2.6	6.0	5.9	1.4	1.4
	CD (1%)	1.9	6.0	2.7	2.8	3.5	8.1	8.0	1.9	1.9

Table No. 6 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	102	133	100	100	101	107	99	106	106
2	DKC8181(IR8004)	104	131	99	95	103	108	102	106	106
3	IMHBG-17K-15	99	134	102	100	103	112	101	107	107
4	INDAM 1122	107	134	100	98	103	112	98	107	107
5	JKMH15303	105	135	101	99	104	109	96	107	107
6	KMH-16-25	92	129	95	92	95	111	96	102	102
7	KMH-16-29	96	129	92	93	95	109	93	101	101
8	KMH-16-40	97	130	93	94	96	109	97	102	102
9	KMH-16-42	94	130	88	95	95	105	97	100	100
10	LMH 1016	109	133	101	100	102	115	98	108	108
11	NMH-4053	108	133	100	102	103	111	96	108	108
12	PM17102M	99	132	97	98	99	110	95	104	104
13	Bio 9544 (C)	109	133	103	101	103	112	95	108	108
14	CMH-08-292 (C)	96	133	96	98	102	112	98	105	105
15	DHM-121 (C)	102	136	103	97	104	110	95	107	107
	Location Mean	101	132	98	97	101	110	97	105	105
	CV (%)	2.3	1.9	2.2	1.7	1.5	4.2	3.6	2.6	2.6
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0
	CD (5%)	3.8	4.2	3.5	2.7	2.5	7.7	5.8	1.7	1.7
	CD (1%)	5.2	5.7	4.8	3.7	3.4	10.4	7.8	2.2	2.2

Table No. 6 (Contd.) **Ears (Number)**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	43	49	109	47	77	60	63	64	64
2	DKC8181(IR8004)	44	42	107	37	77	51	61	60	60
3	IMHBG-17K-15	43	40	105	46	77	52	61	60	60
4	INDAM 1122	42	51	105	48	77	55	61	63	63
5	JKMH15303	37	50	103	28	77	53	62	59	59
6	KMH-16-25	44	29	111	43	78	51	61	59	59
7	KMH-16-29	42	46	105	41	77	62	62	62	62
8	KMH-16-40	44	28	109	45	78	52	64	60	60
9	KMH-16-42	47	36	107	44	77	57	63	61	61
10	LMH 1016	37	42	100	25	75	50	61	56	56
11	NMH-4053	44	42	106	49	79	53	61	62	62
12	PM17102M	48	45	113	47	77	63	63	65	65
13	Bio 9544 (C)	45	39	103	38	76	60	61	60	60
14	CMH-08-292 (C)	41	46	105	37	76	53	62	60	60
15	DHM-121 (C)	39	37	105	40	77	54	65	60	60
	Location Mean	43	42	106	41	77	55	62	61	61
	CV (%)	5.9	25.0	3.8	16.6	2.4	13.6	5.3	9.8	9.8
	F (Prob)	0.0	0.2	0.0	0.0	0.7	0.6	1.0	0.0	0.0
	CD (5%)	4.2	17.4	6.8	11.3	3.1	12.5	5.5	3.6	3.6
	CD (1%)	5.6	23.4	9.1	15.3	4.2	16.9	7.4	4.8	4.8

Table No. 6 (Contd.) **Initial Plant stand (Number/plot)**

S. No.	Entry	NHZ							ALL INDIA
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	41	54	113	51	80	61	67	67
2	DKC8181(IR8004)	41	43	110	43	79	59	63	63
3	IMHBG-17K-15	42	41	107	53	79	60	64	64
4	INDAM 1122	43	55	108	50	80	60	66	66
5	JKMH15303	35	51	107	31	79	62	61	61
6	KMH-16-25	44	45	115	51	80	58	65	65
7	KMH-16-29	41	56	109	46	78	58	65	65
8	KMH-16-40	43	47	111	52	80	61	66	66
9	KMH-16-42	42	49	108	50	80	60	65	65
10	LMH 1016	35	42	102	29	78	58	58	58
11	NMH-4053	44	52	108	54	79	61	66	66
12	PM17102M	42	49	117	52	79	61	67	67
13	Bio 9544 (C)	43	41	107	43	78	61	62	62
14	CMH-08-292 (C)	40	48	108	41	79	60	63	63
15	DHM-121 (C)	39	43	108	44	79	60	62	62
	Location Mean	41	48	109	46	79	60	64	64
	CV (%)	6.5	19.7	4.0	13.9	1.1	5.0	8.2	8.2
	F (Prob)	0.0	0.6	0.1	0.0	0.1	0.9	0.0	0.0
	CD (5%)	4.5	15.7	7.3	10.7	1.5	5.1	3.5	3.5
	CD (1%)	6.0	21.1	9.8	14.4	2.0	6.8	4.6	4.6

Table No. 6 (Contd.) **Final plant stand (000/ha)**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	69	53	77	196	82	56	61	85	85
2	DKC8181(IR8004)	69	44	76	169	81	49	60	78	78
3	IMHBG-17K-15	70	38	74	210	81	51	62	84	84
4	INDAM 1122	71	55	74	201	82	55	60	85	85
5	JKMH15303	59	51	72	119	82	51	64	71	71
6	KMH-16-25	73	30	78	197	82	51	59	82	82
7	KMH-16-29	68	50	74	183	80	53	60	81	81
8	KMH-16-40	72	30	76	200	82	52	62	82	82
9	KMH-16-42	71	39	75	194	81	53	62	82	82
10	LMH 1016	59	44	70	106	78	48	59	66	66
11	NMH-4053	74	45	74	211	82	55	60	86	86
12	PM17102M	70	49	80	202	82	55	61	85	85
13	Bio 9544 (C)	72	42	73	165	80	53	62	78	78
14	CMH-08-292 (C)	67	47	74	157	81	52	61	77	77
15	DHM-121 (C)	66	42	74	172	80	53	61	78	78
	Location Mean	68	44	75	179	81	52	61	80	80
	CV (%)	6.5	24.9	3.9	14.9	2.3	6.6	4.3	14.0	14.0
	F (Prob)	0.0	0.2	0.0	0.0	0.3	0.3	0.6	0.0	0.0
	CD (5%)	7.5	18.3	4.9	44.7	3.1	5.8	4.4	6.8	6.8
	CD (1%)	10.1	24.6	6.6	60.3	4.2	7.9	5.9	9.0	9.0

Table No. 6 (Contd.) **Plant height (cm)**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	248	233	251	198	268	263	201	238	238
2	DKC8181(IR8004)	228	230	232	197	265	263	198	230	230
3	IMHBG-17K-15	249	218	242	218	262	273	195	237	237
4	INDAM 1122	241	222	229	206	255	263	207	232	232
5	JKMH15303	235	225	247	202	274	287	193	238	238
6	KMH-16-25	226	196	223	174	230	263	196	215	215
7	KMH-16-29	203	227	224	172	227	259	199	216	216
8	KMH-16-40	196	190	224	168	248	252	204	212	212
9	KMH-16-42	210	200	229	180	241	263	205	218	218
10	LMH 1016	238	220	234	207	261	256	186	229	229
11	NMH-4053	236	211	244	190	256	262	182	226	226
12	PM17102M	222	206	233	196	271	280	198	229	229
13	Bio 9544 (C)	205	193	231	176	238	267	196	215	215
14	CMH-08-292 (C)	260	224	279	219	272	246	202	243	243
15	DHM-121 (C)	220	237	234	195	236	260	202	226	226
	Location Mean	228	215	237	193	254	264	198	227	227
	CV (%)	5.8	8.7	5.1	5.6	4.0	6.0	4.2	5.8	5.8
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0
	CD (5%)	21.9	31.3	20.1	18.2	16.8	26.6	13.8	8.0	8.0
	CD (1%)	29.6	42.3	27.1	24.5	22.6	35.9	18.6	10.5	10.5

Table No. 6 (Contd.) **Ear height (cm)**

S. No.	Entry	NHZ								All India
		Bajuara_HP	Barapani_MG	Dhaulakuan_HP	Gossai_ASSAM	Kangra_HP	Pooch_JK	Rajouri_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC7173(1Q7802)	120	109	125	83	133	118	103	113	113
2	DKC8181(IR8004)	117	103	116	89	132	116	98	110	110
3	IMHBG-17K-15	143	99	120	112	131	121	91	117	117
4	INDAM 1122	117	94	115	85	129	109	104	107	107
5	JKMH15303	130	92	123	92	139	125	100	115	115
6	KMH-16-25	122	80	111	76	115	115	103	103	103
7	KMH-16-29	108	101	111	76	114	111	102	103	103
8	KMH-16-40	102	75	112	78	125	112	101	101	101
9	KMH-16-42	110	87	115	82	121	105	99	103	103
10	LMH 1016	122	105	117	89	131	115	95	111	111
11	NMH-4053	113	87	121	85	129	113	98	106	106
12	PM17102M	113	93	117	84	135	116	98	108	108
13	Bio 9544 (C)	110	86	116	83	120	123	98	105	105
14	CMH-08-292 (C)	145	106	139	110	137	106	100	120	120
15	DHM-121 (C)	112	100	117	85	118	106	101	106	106
	Location Mean	119	94	118	87	127	114	99	108	108
	CV (%)	12.1	15.6	5.3	10.6	4.2	9.7	4.7	9.4	9.4
	F (Prob)	0.0	0.2	0.0	0.0	0.0	0.5	0.2	0.0	0.0
	CD (5%)	24.1	24.6	10.5	15.4	8.9	18.4	7.8	6.2	6.2
	CD (1%)	32.5	33.2	14.1	20.8	12.1	24.9	10.5	8.1	8.1

Table No. 7: Trial No. 496 (Medium Maturity) AVT-I-II Yield (Kg/ha)

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 1606	5920.54	8	7495.33	6	4162.53	5	7984.25	7	8538.2	2	9181.19	4	6820.17	5	6820.17	5
2	BH415100	4354.14	11	5520.5	11	3096.47	11	8100.89	5	4778.19	11	7354.84	10	5170.04	11	5170.04	11
3	BLH118	5738.46	10	7878.06	4	4338.94	4	8707.37	2	7460.67	6	8389.48	7	6824.7	4	6824.7	4
4	IMHBG-17K-22	6032.66	7	7726.63	5	3483.66	8	8068.61	6	6991.18	7	7850.36	8	6460.55	8	6460.55	8
5	IMHBG-17K-6	7395.05	3	7328.77	8	4019.61	6	7955.74	8	6707.63	9	9344.01	3	6681.36	7	6681.36	7
6	JH 16045	7753.81	2	9284.03	2	4926.85	1	7818.68	10	8480.91	3	9543.17	2	7652.86	1	7652.86	1
7	JKMH4157	6821.91	5	6509.02	9	3418.9	9	8206.89	4	6726.23	8	7540.95	9	6336.59	10	6336.59	10
8	NMH 4053	8497.3	1	7413.06	7	4354.58	3	7489.94	11	8977.74	1	9726.04	1	7346.52	3	7346.52	3
9	Bio 9544 (C)	6800.01	6	9332.03	1	4466.23	2	8877.49	1	7591.17	5	8810.66	6	7413.38	2	7413.38	2
10	CMH-08-292 (C)	7046.62	4	6205.22	10	3780.66	7	8275.34	3	8391.39	4	9092.16	5	6739.85	6	6739.85	6
11	DHM 121 (C)	5798.68	9	8522.54	3	3305.01	10	7863.61	9	6581.84	10	7165.78	11	6414.33	9	6414.33	9
	Location Mean	6559.93	.	7565.02	.	3941.22	.	8122.62	.	7384.1	.	8545.33	.	6714.58	.	6714.58	.
	CV (%)	12.23	.	14.11	.	16.82	.	8.01	.	6.37	.	22.43	.	11.2	.	11.2	.
	F (Prob)	0	.	0.01	.	0.06	.	0.41	.	0	.	0.71	.	0	.	0	.
	CD (5%)	1366.56	.	1818.61	.	1128.99	.	1108.75	.	801.47	.	3264.5	.	544.82	.	544.82	.
	CD (1%)	1864.04	.	2480.66	.	1539.99	.	1512.39	.	1093.24	.	4452.91	.	721.1	.	721.1	.

Table No. 7 (Contd.) **% superiority over Bio 9544 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1606	-12.93	8	-19.68	6	-6.8	5	-10.06	7	12.48	2	4.21	4	-8	5	-8	5
2	BH415100	-35.97	11	-40.84	11	-30.67	11	-8.75	5	-37.06	11	-16.52	10	-30.26	11	-30.26	11
3	IMHBG-17K-22	-11.28	7	-17.2	5	-22	8	-9.11	6	-7.9	7	-10.9	8	-12.85	8	-12.85	8
4	IMHBG-17K-6	8.75	3	-21.47	8	-10	6	-10.38	8	-11.64	9	6.05	3	-9.87	7	-9.87	7
5	JH 16045	14.03	2	-0.51	2	10.31	1	-11.93	10	11.72	3	8.31	2	3.23	1	3.23	1
6	JKMH4157	0.32	5	-30.25	9	-23.45	9	-7.55	4	-11.39	8	-14.41	9	-14.53	10	-14.53	10
7	BLH118	-15.61	10	-15.58	4	-2.85	4	-1.92	2	-1.72	6	-4.78	7	-7.94	4	-7.94	4
8	NMH 4053	24.96	1	-20.56	7	-2.5	3	-15.63	11	18.27	1	10.39	1	-0.9	3	-0.9	3
9	Bio 9544 (C)	0	6	0	1	0	2	0	1	0	5	0	6	0	2	0	2
10	CMH-08-292 (C)	3.63	4	-33.51	10	-15.35	7	-6.78	3	10.54	4	3.2	5	-9.09	6	-9.09	6
11	DHM 121 (C)	-14.73	9	-8.67	3	-26	10	-11.42	9	-13.3	10	-18.67	11	-13.48	9	-13.48	9

Table No. 7 (Contd.) **% superiority over CMH-08-292 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1606	-15.98	8	20.79	6	10.1	5	-3.52	7	1.75	2	0.98	4	1.19	5	1.19	5
2	BH415100	-38.21	11	-11.03	11	-18.1	11	-2.11	5	-43.06	11	-19.11	10	-23.29	11	-23.29	11
3	IMHBG-17K-22	-14.39	7	24.52	5	-7.86	8	-2.5	6	-16.69	7	-13.66	8	-4.14	8	-4.14	8
4	IMHBG-17K-6	4.94	3	18.11	8	6.32	6	-3.86	8	-20.07	9	2.77	3	-0.87	7	-0.87	7
5	JH 16045	10.04	2	49.62	2	30.32	1	-5.52	10	1.07	3	4.96	2	13.55	1	13.55	1
6	JKMH4157	-3.19	5	4.9	9	-9.57	9	-0.83	4	-19.84	8	-17.06	9	-5.98	10	-5.98	10
7	BLH118	-18.56	10	26.96	4	14.77	4	5.22	2	-11.09	6	-7.73	7	1.26	4	1.26	4
8	NMH 4053	20.59	1	19.47	7	15.18	3	-9.49	11	6.99	1	6.97	1	9	3	9	3
	NMH 4053	46.54	1	-13.02	7	31.76	3	-4.75	11	36.4	1	35.73	1	14.53	3	14.53	3
9	Bio 9544 (C)	-3.5	6	50.39	1	18.13	2	7.28	1	-9.54	5	-3.1	6	9.99	2	9.99	2
10	CMH-08-292 (C)	0	4	0	10	0	7	0	3	0	4	0	5	0	6	0	6
11	DHM 121 (C)	-17.71	9	37.34	3	-12.58	10	-4.98	9	-21.56	10	-21.19	11	-4.83	9	-4.83	9

Table No. 7 (Contd.) **% superiority over DHM 121 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 1606	2.1	8	-12.05	6	25.95	5	1.53	7	29.72	2	28.13	4	6.33	5	6.33	5
2	BH4151 00	-24.91	11	-35.22	11	-6.31	11	3.02	5	-27.4	11	2.64	10	-19.4	11	-19.4	11
4	MHBG-17K-23	4.04	7	-9.34	5	5.41	8	2.61	6	6.22	7	9.55	8	0.72	8	0.72	8
5	MHBG-17K-6	27.53	3	-14.01	8	21.62	6	1.17	8	1.91	9	30.4	3	4.16	7	4.16	7
6	JH 16045	33.72	2	8.94	2	49.07	1	-0.57	10	28.85	3	33.18	2	19.31	1	19.31	1
7	JKMH4 457	17.65	5	-23.63	9	3.45	9	4.37	4	2.19	8	5.24	9	-1.21	10	-1.21	10
8	BLH11 8	-1.04	10	-7.56	4	31.28	4	10.73	2	13.35	6	17.08	7	6.4	4	6.4	4
9	Bio 9544	17.27	6	9.5	1	35.14	2	12.89	1	15.34	5	22.95	6	15.58	2	15.58	2
10	CMH-08-292	21.52	4	-27.19	10	14.39	7	5.24	3	27.49	4	26.88	5	5.07	6	5.07	6
11	DHM-121 (C)	0	9	0	3	0	10	0	9	0	10	0	11	0	9	0	9

Table No. 7 (Contd.) **Moisture%**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	17	21	18	24	12	22	19	19
2	BH415100	16	22	18	24	11	25	19	19
3	BLH118	17	21	18	23	12	22	19	19
4	IMHBG-17K-22	17	22	18	25	12	25	20	20
5	IMHBG-17K-6	17	22	18	24	13	23	20	20
6	JH 16045	17	22	18	23	12	23	19	19
7	JKMH4157	18	21	18	25	12	26	20	20
8	NMH 4053	18	22	18	25	13	24	20	20
9	Bio 9544 (C)	18	22	18	24	12	26	20	20
10	CMH-08-292 (C)	18	22	18	24	11	24	19	19
11	DHM 121 (C)	18	22	18	25	13	25	20	20
	Location Mean	17	22	18	24	12	24	20	20
	CV (%)	5.9	1.1	0.0	3.4	1.8	7.5	4.6	4.6
	F (Prob)	0.4	0.0	.	0.2	0.0	0.1	0.0	0.0
	CD (5%)	1.8	0.4	0.0	1.4	0.4	3.1	0.6	0.6
	CD (1%)	2.4	0.5	0.0	1.9	0.5	4.2	0.8	0.8

Table No. 7 (Contd.) **Shelling%**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	73	78	81	82	82	85	80	80
2	BH415100	73	77	75	80	77	83	77	77
3	BLH118	74	80	80	81	80	83	80	80
4	IMHBG-17K-22	73	82	74	81	76	83	78	78
5	IMHBG-17K-6	77	81	74	81	77	88	80	80
6	JH 16045	78	78	80	82	83	85	81	81
7	JKMH4157	75	81	78	81	81	87	81	81
8	NMH 4053	79	81	77	81	84	86	82	82
9	Bio 9544 (C)	77	80	81	81	81	82	80	80
10	CMH-08-292 (C)	76	78	78	81	80	84	80	80
11	DHM 121 (C)	74	79	79	81	80	80	79	79
	Location Mean	75	79	78	81	80	84	80	80
	CV (%)	2.2	3.1	3.6	1.2	2.3	3.8	2.8	2.8
	F (Prob)	0.0	0.3	0.0	0.2	0.0	0.3	0.0	0.0
	CD (5%)	2.8	4.2	4.8	1.6	3.1	5.5	1.5	1.5
	CD (1%)	3.8	5.7	6.5	2.2	4.2	7.5	2.0	2.0

Table No. 7 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	54	58	62	54	55	55	56	56
2	BH415100	54	57	62	53	57	56	56	56
3	BLH118	55	58	64	55	55	56	57	57
4	IMHBG-17K-22	55	59	65	54	57	56	58	58
5	IMHBG-17K-6	56	62	64	55	58	57	59	59
6	JH 16045	54	58	60	52	54	57	56	56
7	JKMH4157	55	61	66	56	58	57	59	59
8	NMH 4053	54	58	66	51	57	56	57	57
9	Bio 9544 (C)	56	58	66	54	58	58	58	58
10	CMH-08-292 (C)	54	57	64	54	56	55	57	57
11	DHM 121 (C)	54	59	61	57	57	55	57	57
	Location Mean	55	59	64	54	56	56	57	57
	CV (%)	1.5	1.6	3.2	3.9	2.3	2.7	2.7	2.7
	F (Prob)	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0
	CD (5%)	1.4	1.6	3.5	3.6	2.2	2.6	1.0	1.0
	CD (1%)	1.9	2.2	4.8	4.9	3.0	3.5	1.3	1.3

Table No. 7 (Contd.)

Days to 50% silking

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	56	59	65	55	57	57	58	58
2	BH415100	57	57	63	54	59	60	58	58
3	BLH118	59	58	65	57	57	58	59	59
4	IMHBG-17K-22	57	60	67	55	59	58	59	59
5	IMHBG-17K-6	60	63	66	56	60	60	61	61
6	JH 16045	57	59	64	54	56	59	58	58
7	JKMH4157	57	62	70	58	60	60	61	61
8	NMH 4053	57	59	68	53	59	59	59	59
9	Bio 9544 (C)	60	60	68	56	60	61	61	61
10	CMH-08-292 (C)	56	57	65	56	58	58	58	58
11	DHM 121 (C)	59	60	64	58	59	58	60	60
	Location Mean	58	59	66	56	58	59	59	59
	CV (%)	2.2	2.2	3.4	3.9	2.2	3.3	3.0	3.0
	F (Prob)	0.0	0.0	0.1	0.2	0.0	0.5	0.0	0.0
	CD (5%)	2.2	2.2	3.8	3.7	2.2	3.4	1.2	1.2
	CD (1%)	2.9	3.0	5.2	5.0	3.0	4.6	1.5	1.5

Table No. 7 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	94	94	71	87	91	98	89	89
2	BH415100	88	92	71	86	93	99	88	88
3	BLH118	93	93	73	87	93	98	89	89
4	IMHBG-17K-22	90	95	73	87	95	97	89	89
5	IMHBG-17K-6	91	97	74	85	95	99	90	90
6	JH 16045	88	95	71	85	93	99	89	89
7	JKMH4157	92	96	74	86	96	99	90	90
8	NMH 4053	89	95	75	85	93	97	89	89
9	Bio 9544 (C)	92	95	75	85	96	100	90	90
10	CMH-08-292 (C)	92	92	73	87	94	98	89	89
11	DHM 121 (C)	93	95	73	90	94	98	90	90
	Location Mean	91	94	73	86	94	98	89	89
	CV (%)	3.1	1.9	2.9	2.1	2.3	2.1	2.4	2.4
	F (Prob)	0.3	0.1	0.2	0.1	0.2	0.8	0.0	0.0
	CD (5%)	4.7	3.0	3.6	3.1	3.7	3.4	1.4	1.4
	CD (1%)	6.5	4.1	4.9	4.2	5.0	4.7	1.9	1.9

Table No. 7 (Contd.)

Ears (Number)

S. No.	Entry	NWPZ						All India
		Aligarh_UP	Gurdaspur_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	123	62	124	113	109	106	106
2	BH415100	118	62	125	108	118	106	106
3	BLH118	118	66	124	117	105	106	106
4	IMHBG-17K-22	122	62	124	116	107	106	106
5	IMHBG-17K-6	117	52	124	112	104	102	102
6	JH 16045	121	73	123	114	107	108	108
7	JKMH4157	118	56	123	106	100	101	101
8	NMH 4053	122	57	125	119	102	105	105
9	Bio 9544 (C)	118	68	126	119	108	108	108
10	CMH-08-292 (C)	120	54	125	115	103	103	103
11	DHM 121 (C)	117	59	124	104	104	102	102
	Location Mean	119	61	124	113	106	105	105
	CV (%)	3.0	11.2	2.4	4.5	5.7	4.9	4.9
	F (Prob)	0.3	0.0	1.0	0.0	0.1	0.0	0.0
	CD (5%)	6.1	11.7	5.0	8.7	10.3	3.7	3.7
	CD (1%)	8.3	15.9	6.8	11.8	14.1	4.9	4.9

Table No. 7 (Contd.) Initial Plant stand (Number/plot)

S. No.	Entry	NWPZ				All India
		Aligarh_UP	Karnal_HR	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean
1	AH 1606	125	120	113	119	119
2	BH415100	123	120	115	119	119
3	BLH118	124	120	107	117	117
4	IMHBG-17K-22	124	120	109	118	118
5	IMHBG-17K-6	125	120	104	116	116
6	JH 16045	124	120	115	120	120
7	JKMH4157	124	119	103	115	115
8	NMH 4053	123	120	110	118	118
9	Bio 9544 (C)	125	120	109	118	118
10	CMH-08-292 (C)	124	120	112	118	118
11	DHM 121 (C)	123	119	111	118	118
	Location Mean	124	120	110	118	118
	CV (%)	1.1	0.6	4.9	2.7	2.7
	F (Prob)	0.7	0.8	0.2	0.2	0.2
	CD (5%)	2.2	1.2	9.2	3.1	3.1
	CD (1%)	3.0	1.6	12.5	4.1	4.1

Table No. 7 (Contd.) **Final plant stand (000/ha)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	84	60	79	68	75	61	71	71
2	BH415100	83	59	77	68	81	63	72	72
3	BLH118	84	63	80	67	82	58	72	72
4	IMHBG-17K-22	84	59	79	68	84	59	72	72
5	IMHBG-17K-6	83	50	80	68	81	58	70	70
6	JH 16045	84	70	82	69	80	59	74	74
7	JKMH4157	84	53	78	67	77	56	69	69
8	NMH 4053	83	55	80	68	84	57	71	71
9	Bio 9544 (C)	84	66	80	69	87	59	74	74
10	CMH-08-292 (C)	83	52	79	68	78	57	69	69
11	DHM 121 (C)	84	57	77	67	80	57	70	70
	Location Mean	84	59	79	68	81	59	71	71
	CV (%)	1.0	11.5	2.1	1.5	7.3	5.1	5.4	5.4
	F (Prob)	0.2	0.0	0.1	0.3	0.4	0.3	0.0	0.0
	CD (5%)	1.5	11.5	2.8	1.8	10.0	5.0	2.6	2.6
	CD (1%)	2.0	15.7	3.8	2.4	13.7	6.9	3.4	3.4

Table No. 7 (Contd.) **Plant height (cm)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	239	232	215	187	200	287	226	226
2	BH415100	178	225	193	184	178	262	203	203
3	BLH118	219	240	201	178	185	288	218	218
4	IMHBG-17K-22	214	240	182	216	167	283	217	217
5	IMHBG-17K-6	234	252	210	190	202	304	232	232
6	JH 16045	253	258	224	178	200	317	238	238
7	JKMH4157	248	243	205	180	178	310	227	227
8	NMH 4053	217	228	205	210	180	303	224	224
9	Bio 9544 (C)	199	222	196	175	162	282	206	206
10	CMH-08-292 (C)	263	260	214	180	193	271	230	230
11	DHM 121 (C)	222	230	200	188	185	285	218	218
	Location Mean	226	239	204	188	185	290	222	222
	CV (%)	5.8	7.5	7.3	8.3	7.8	6.5	7.2	7.2
	F (Prob)	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.0
	CD (5%)	22.3	30.7	25.2	26.6	24.5	31.9	10.5	10.5
	CD (1%)	30.4	41.9	34.4	36.2	33.4	43.5	13.9	13.9

Table No. 7 (Contd.) **(cm)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 1606	115	130	114	85	107	136	114	114
2	BH415100	73	117	102	81	80	115	95	95
3	BLH118	99	137	100	84	92	130	107	107
4	IMHBG-17K-22	85	118	90	106	83	128	102	102
5	IMHBG-17K-6	93	115	101	84	95	138	104	104
6	JH 16045	125	140	111	88	102	152	119	119
7	JKMH4157	104	107	98	80	85	125	100	100
8	NMH 4053	88	118	103	92	88	143	106	106
9	Bio 9544 (C)	96	123	103	77	87	135	103	103
10	CMH-08-292 (C)	137	140	117	85	97	146	120	120
11	DHM 121 (C)	98	123	103	88	92	134	106	106
	Location Mean	101	124	104	86	92	135	107	107
	CV (%)	8.9	10.4	9.3	13.1	10.8	8.8	10.1	10.1
	F (Prob)	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0
	CD (5%)	15.3	22.1	16.5	19.3	16.8	20.1	7.2	7.2
	CD (1%)	20.9	30.1	22.5	26.3	22.9	27.4	9.5	9.5

Table No. 8 Trial No. 502 (Early Maturity) AVT-I-II Yield (Kg/ha)

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 7080	4787.85	7	5679.27	5	2831.5	7	5210.98	7	6325.62	6	6937.79	6	5788.3	7	5788.3	7
2	JH 31983	5760.44	3	5455.82	6	3240.62	5	6538.79	4	5959.57	7	6726.79	7	6088.28	6	6088.28	6
3	BIO 605 (C)	5621.73	5	7341.51	2	3926.15	2	5406.47	6	7849.31	1	8412.46	2	6926.3	2	6926.3	2
4	DKC 7074 (C)	6130.45	1	8481.43	1	4472.91	1	6592.68	3	7577.48	3	8808.77	1	7518.17	1	7518.17	1
5	PMH 5 (C)	5009.17	6	7237.91	3	3567.78	3	6388.5	5	7709.8	2	7388.65	5	6746.8	3	6746.8	3
6	Vivek hybrid 45 (C)	5631.18	4	5344.22	7	2995.23	6	6596.53	2	7325.27	4	7522.05	4	6483.85	5	6483.85	5
7	Vivek hybrid 51 (C)	5997.93	2	5789.88	4	3515.14	4	6601.4	1	6614.19	5	7844.82	3	6569.64	4	6569.64	4
	Location Mean	5562.68	.	6475.72	.	3507.05	.	6190.76	.	7051.61	.	7663.05	.	6588.76	.	6588.76	.
	CV (%)	10.55	.	16.99	.	20.68	.	14.42	.	8.74	.	13.61	.	13.27	.	13.27	.
	F (Prob)	0.12	.	0.03	.	0.18	.	0.29	.	0.01	.	0.24	.	0	.	0	.
	CD (5%)	1043.69	.	1957.74	.	1290.14	.	1588.45	.	1096.32	.	1855.2	.	638.42	.	638.42	.
	CD (1%)	1463.18	.	2744.62	.	1808.69	.	2226.9	.	1536.97	.	2600.85	.	849.06	.	849.06	.

Table No. 8 (Contd.) **Gain in Yield(%) over BIO 605 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7080	-14.83	7	-22.64	5	-27.88	7	-3.62	7	-19.41	6	-17.53	6	-16.43	7	-16.43	7
2	JH 31983	2.47	3	-25.69	6	-17.46	5	20.94	4	-24.08	7	-20.04	7	-12.1	6	-12.1	6
3	BIO 605 (C)	0	5	0	2	0	2	0	6	0	1	0	2	0	2	0	2
4	DKC 7074 (C)	9.05	1	15.53	1	13.93	1	21.94	3	-3.46	3	4.71	1	8.55	1	8.55	1
5	PMH 5 (C)	-10.9	6	-1.41	3	-9.13	3	18.16	5	-1.78	2	-12.17	5	-2.59	3	-2.59	3
6	Vivek hybrid 45 (C)	0.17	4	-27.21	7	-23.71	6	22.01	2	-6.68	4	-10.58	4	-6.39	5	-6.39	5
7	Vivek hybrid 51 (C)	6.69	2	-21.14	4	-10.47	4	22.1	1	-15.74	5	-6.75	3	-5.15	4	-5.15	4

Table No. 8 (Contd.) **Gain in Yield(%) over DKC 7074(C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7080	-21.9	7	-33.04	5	-36.7	7	-20.96	7	-16.52	6	-21.24	6	-23.01	7	-23.01	7
2	JH 31983	-6.04	3	-35.67	6	-27.55	5	-0.82	4	-21.35	7	-23.64	7	-19.02	6	-19.02	6
3	BIO 605 (C)	-8.3	5	-13.44	2	-12.22	2	-17.99	6	3.59	1	-4.5	2	-7.87	2	-7.87	2
4	DKC 7074 (C)	0	1	0	1	0	1	0	3	0	3	0	1	0	1	0	1
5	PMH 5 (C)	-18.29	6	-14.66	3	-20.24	3	-3.1	5	1.75	2	-16.12	5	-10.26	3	-10.26	3
6	Vivek hybrid 45 (C)	-8.14	4	-36.99	7	-33.04	6	0.06	2	-3.33	4	-14.61	4	-13.76	5	-13.76	5
7	Vivek hybrid 51 (C)	-2.16	2	-31.73	4	-21.41	4	0.13	1	-12.71	5	-10.94	3	-12.62	4	-12.62	4

Table No. 8 (Contd.) **Gain in Yield(%) over PMH 5 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7080	-4.42	7	-21.53	5	-20.64	7	-18.43	7	-17.95	6	-6.1	6	-14.21	7	-14.21	7
2	JH 31983	15	3	-24.62	6	-9.17	5	2.35	4	-22.7	7	-8.96	7	-9.76	6	-9.76	6
3	BIO 605 (C)	12.23	5	1.43	2	10.04	2	-15.37	6	1.81	1	13.86	2	2.66	2	2.66	2
4	DKC 7074 (C)	22.38	1	17.18	1	25.37	1	3.2	3	-1.72	3	19.22	1	11.43	1	11.43	1
5	PMH 5 (C)	0	6	0	3	0	3	0	5	0	2	0	5	0	3	0	3
6	Vivek hybrid 45 (C)	12.42	4	-26.16	7	-16.05	6	3.26	2	-4.99	4	1.81	4	-3.9	5	-3.9	5
7	Vivek hybrid 51 (C)	19.74	2	-20.01	4	-1.48	4	3.33	1	-14.21	5	6.17	3	-2.63	4	-2.63	4

Table No. 8 (Contd.) **Gain in Yield(%) over Vivek Hybrid 45 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7080	-14.98	7	6.27	5	-5.47	7	-21	7	-13.65	6	-7.77	6	-10.73	7	-10.73	7
2	JH 31983	2.3	3	2.09	6	8.19	5	-0.88	4	-18.64	7	-10.57	7	-6.1	6	-6.1	6
3	BIO 605 (C)	-0.17	5	37.37	2	31.08	2	-18.04	6	7.15	1	11.84	2	6.82	2	6.82	2
4	DKC 7074 (C)	8.87	1	58.7	1	49.33	1	-0.06	3	3.44	3	17.11	1	15.95	1	15.95	1
5	PMH 5 (C)	-11.05	6	35.43	3	19.12	3	-3.15	5	5.25	2	-1.77	5	4.06	3	4.06	3
6	Vivek hybrid 45 (C)	0	4	0	7	0	6	0	2	0	4	0	4	0	5	0	5
7	Vivek hybrid 51 (C)	6.51	2	8.34	4	17.36	4	0.07	1	-9.71	5	4.29	3	1.32	4	1.32	4

Table No. 8 (Contd.) **Gain in Yield(%) over Vivek Hybrid 51 (C)**

S. No.	Entry	NWPZ														All India	
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7080	-20.18	7	-1.91	5	-19.45	7	-21.06	7	-4.36	6	-11.56	6	-11.89	7	-11.89	7
2	JH 31983	-3.96	3	-5.77	6	-7.81	5	-0.95	4	-9.9	7	-14.25	7	-7.33	6	-7.33	6
3	BIO 605 (C)	-6.27	5	26.8	2	11.69	2	-18.1	6	18.67	1	7.24	2	5.43	2	5.43	2
4	DKC 7074 (C)	2.21	1	46.49	1	27.25	1	-0.13	3	14.56	3	12.29	1	14.44	1	14.44	1
5	PMH 5 (C)	-16.49	6	25.01	3	1.5	3	-3.23	5	16.56	2	-5.81	5	2.7	3	2.7	3
6	Vivek hybrid 45 (C)	-6.11	4	-7.7	7	-14.79	6	-0.07	2	10.75	4	-4.11	4	-1.31	5	-1.31	5
7	Vivek hybrid 51 (C)	0	2	0	4	0	4	0	1	0	5	0	3	0	4	0	4

Table No. 8 (Contd.) **Moisture %**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	16	22	18	20	14	24	19	19
2	JH 31983	18	21	18	20	12	24	19	19
3	BIO 605 (C)	16	22	18	21	13	21	19	19
4	DKC 7074 (C)	17	22	18	20	13	22	19	19
5	PMH 5 (C)	17	22	18	20	12	22	18	18
6	Vivek hybrid 45 (C)	16	22	18	20	11	24	19	19
7	Vivek hybrid 51 (C)	17	22	18	21	12	21	18	18
	Location Mean	17	22	18	20	12	23	19	19
	CV (%)	3.1	1.8	0.0	3.7	7.6	9.3	5.4	5
	F (Prob)	0.0	0.1	.	0.8	0.0	0.3	0.4	0.4
	CD (5%)	0.9	0.7	0.0	1.3	1.7	3.8	0.7	0.7
	CD (1%)	1.3	1.0	0.0	1.9	2.4	5.3	0.9	0.9

Table No. 8 (Contd.) **Shelling %**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	74	79	74	80	79	87	79	79
2	JH 31983	75	81	76	80	80	86	80	80
3	BIO 605 (C)	75	80	81	81	82	88	81	81
4	DKC 7074 (C)	76	82	79	80	82	86	81	81
5	PMH 5 (C)	75	80	81	81	81	83	80	80
6	Vivek hybrid 45 (C)	77	80	79	79	84	86	81	81
7	Vivek hybrid 51 (C)	76	80	77	81	82	87	80	80
	Location Mean	75	80	78	80	81	86	80	80
	CV (%)	2.4	2.1	3.4	1.1	2.6	1.7	2.3	2
	F (Prob)	0.4	0.4	0.0	0.2	0.1	0.1	0.0	0.0
	CD (5%)	3.2	3.0	4.7	1.6	3.8	2.6	1.2	1.2
	CD (1%)	4.5	4.2	6.6	2.2	5.3	3.6	1.6	1.6

Table No. 8 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	53	56	67	48	53	53	55	55
2	JH 31983	52	55	63	48	51	49	53	53
3	BIO 605 (C)	51	56	64	48	52	52	54	54
4	DKC 7074 (C)	53	55	64	48	52	52	54	54
5	PMH 5 (C)	50	52	62	44	48	50	51	51
6	Vivek hybrid 45 (C)	49	54	63	47	48	51	52	52
7	Vivek hybrid 51 (C)	43	53	61	45	47	48	50	50
	Location Mean	50	54	63	47	50	51	53	53
	CV (%)	3.8	3.8	3.1	4.5	1.1	4.4	3.6	4
	F (Prob)	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.0
	CD (5%)	3.4	3.7	3.5	3.8	0.9	3.9	1.3	1.3
	CD (1%)	4.8	5.2	5.0	5.3	1.3	5.5	1.7	1.7

Table No. 8 (Contd.) **Days to 50% silking**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	56	56	66	49	53	57	56	56
2	JH 31983	55	56	61	50	53	53	55	55
3	BIO 605 (C)	55	57	64	50	52	55	55	55
4	DKC 7074 (C)	53	55	62	49	52	55	54	54
5	PMH 5 (C)	53	53	60	46	48	53	52	52
6	Vivek hybrid 45 (C)	53	55	62	48	50	55	54	54
7	Vivek hybrid 51 (C)	49	55	60	46	48	51	51	51
	Location Mean	53	55	62	48	51	54	54	54
	CV (%)	1.5	3.1	3.1	4.7	1.6	4.2	3.2	3
	F (Prob)	0.0	0.3	0.0	0.2	0.0	0.1	0.0	0.0
	CD (5%)	1.4	3.1	3.4	4.1	1.5	4.0	1.2	1.2
	CD (1%)	2.0	4.3	4.8	5.7	2.1	5.6	1.5	1.5

Table No. 8 (Contd.) **Days to 75% dry husk**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	92	91	72	82	85	93	86	86
2	JH 31983	90	91	68	82	85	91	85	85
3	BIO 605 (C)	91	91	71	81	84	92	85	85
4	DKC 7074 (C)	89	90	69	82	85	93	85	85
5	PMH 5 (C)	89	89	68	80	81	92	83	83
6	Vivek hybrid 45 (C)	89	91	69	81	83	93	84	84
7	Vivek hybrid 51 (C)	86	89	68	81	78	91	82	82
	Location Mean	89	90	69	81	83	92	84	84
	CV (%)	1.2	1.4	1.7	1.2	1.4	2.3	1.6	2
	F (Prob)	0.0	0.1	0.0	0.3	0.0	0.8	0.0	0.0
	CD (5%)	1.9	2.3	2.1	1.8	2.0	3.8	0.9	0.9
	CD (1%)	2.7	3.2	2.9	2.5	2.8	5.3	1.2	1.2

Table No. 8 (Contd.) **Ears (Number)**

S. No.	Entry	NWPZ						All India
		Aligarh_UP	Gurdaspur_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	117	67	122	116	106	106	106
2	JH 31983	125	54	122	113	109	105	105
3	BIO 605 (C)	118	61	123	114	109	105	105
4	DKC 7074 (C)	118	73	125	119	117	110	110
5	PMH 5 (C)	122	64	123	116	114	108	108
6	Vivek hybrid 45 (C)	116	58	125	113	108	104	104
7	Vivek hybrid 51 (C)	124	65	124	119	109	108	108
	Location Mean	120	63	123	116	110	107	107
	CV (%)	3.3	11.0	0.8	4.3	4.4	4.5	4.5
	F (Prob)	0.1	0.1	0.0	0.6	0.2	0.0	0.0
	CD (5%)	7.1	12.4	1.8	8.9	8.7	3.5	3.5
	CD (1%)	10.0	17.3	2.5	12.5	12.2	4.6	4.6

Table No. 8 (Contd.) **Initial Plant stand (Number/plot)**

S. No.	Entry	NWPZ				All India
		Aligarh_UP	Karnal_HR	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean
1	AH 7080	122	120	111	118	118
2	JH 31983	122	119	115	118	118
3	BIO 605 (C)	123	120	113	119	119
4	DKC 7074 (C)	121	120	118	120	120
5	PMH 5 (C)	122	120	117	119	119
6	Vivek hybrid 45 (C)	121	119	115	119	119
7	Vivek hybrid 51 (C)	121	119	114	118	118
	Location Mean	122	119	115	119	119
	CV (%)	1.0	0.8	2.8	1.7	1.7
	F (Prob)	0.2	0.5	0.3	0.5	0.5
	CD (5%)	2.1	1.7	5.7	2.0	2.0
	CD (1%)	2.9	2.4	8.0	2.6	2.6

Table No. 8 (Contd.) **Final plant stand (000/ha)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	82	65	79	67	81	59	72	72
2	JH 31983	82	52	80	68	79	61	70	70
3	BIO 605 (C)	83	59	81	69	79	61	72	72
4	DKC 7074 (C)	83	71	81	69	82	64	75	75
5	PMH 5 (C)	84	61	80	68	78	63	72	72
6	Vivek hybrid 45 (C)	83	55	79	68	78	60	71	71
7	Vivek hybrid 51 (C)	82	62	80	68	80	61	72	72
	Location Mean	83	61	80	68	80	61	72	72
	CV (%)	0.8	11.5	1.7	0.8	4.4	3.8	4.7	5
	F (Prob)	0.2	0.1	0.5	0.0	0.8	0.3	0.0	0.0
	CD (5%)	1.2	12.4	2.5	1.0	6.2	4.1	2.3	2.3
	CD (1%)	1.7	17.4	3.4	1.4	8.7	5.8	3.0	3.0

Table No. 8 (Contd.) **Plant height (cm)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	204	222	178	177	176	270	204	204
2	JH 31983	195	208	173	178	180	259	199	199
3	BIO 605 (C)	211	205	182	218	193	277	214	214
4	DKC 7074 (C)	195	222	171	206	185	264	207	207
5	PMH 5 (C)	194	208	160	183	173	257	196	196
6	Vivek hybrid 45 (C)	173	168	149	171	167	259	181	181
7	Vivek hybrid 51 (C)	189	185	158	168	179	261	190	190
	Location Mean	194	203	167	186	179	264	199	199
	CV (%)	4.8	7.9	6.4	5.2	9.2	7.4	7.1	7
	F (Prob)	0.0	0.0	0.0	0.0	0.6	0.9	0.0	0.0
	CD (5%)	16.8	28.3	18.9	17.2	29.4	34.5	9.4	9.4
	CD (1%)	23.5	39.7	26.6	24.1	41.2	48.4	12.5	12.5

Table No. 8 (Contd.) **Ear height (cm)**

S. No.	Entry	NWPZ							All India
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7080	83	107	88	78	79	116	92	92
2	JH 31983	78	100	75	79	80	119	88	88
3	BIO 605 (C)	95	122	92	104	94	134	107	107
4	DKC 7074 (C)	95	127	85	99	88	126	104	104
5	PMH 5 (C)	81	102	72	84	73	117	88	88
6	Vivek hybrid 45 (C)	76	93	69	72	66	123	83	83
7	Vivek hybrid 51 (C)	96	105	82	73	78	127	93	93
	Location Mean	86	108	80	84	80	123	94	94
	CV (%)	10.6	11.7	9.1	8.7	16.4	9.7	11.2	11
	F (Prob)	0.1	0.1	0.0	0.0	0.3	0.5	0.0	0.0
	CD (5%)	16.2	22.4	13.0	13.0	23.3	21.2	7.0	7.0
	CD (1%)	22.7	31.4	18.3	18.2	32.6	29.7	9.3	9.3

Table No. 9 Trial No. 508 (Late Maturity) AVT-I-II **Yield Kg/ha**

S. No.	Entry	NWPZ													
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADV1390164	7226.55	3	7657.61	17	6051.94	2	9220	16	8796.65	5	11061.4	1	8335.69	2
2	B-57	5838.68	18	8093.54	13	4506.38	17	9892.46	7	8763.38	6	9985.98	4	7846.74	10
3	BIO 218	5305.11	19	9592.58	3	5703.4	3	9209.7	17	7995.6	13	8712.51	18	7753.15	12
4	CP 858	7522.48	1	8728.47	6	5270.71	9	9283.76	14	9269.93	2	9707.85	10	8297.2	3
5	CP777	6224.67	13	7893.55	14	4102.11	21	9044.77	20	7872.15	16	10221.2	3	7559.74	17
6	DKC 9178	6142.14	15	8420.17	11	4982.19	15	9256.66	15	7948.19	14	9762.73	7	7752.01	13
7	DKC9185(IR8449)	6928.92	5	9056.8	5	5012.01	14	9599.12	8	8137.38	10	9809.26	6	8090.58	6
8	HT17169	6412.56	10	9992.53	2	5093.71	11	9197.34	18	8173.53	9	10366.2	2	8205.98	5
9	JH 13278	6887.8	6	8715.91	7	5625.12	5	10818.5	1	8996.78	3	8448.75	19	8248.81	4
10	JH 15011	6053.27	16	7264.48	20	4372.52	19	9382.48	12	6437.88	20	9019.31	16	7088.32	21
11	JH 15130	4034.83	22	7419.37	19	3645.91	22	4048.73	22	6064.98	22	7951.6	21	5527.57	22
12	JH 16040	6384.75	11	7550.69	18	5223.16	10	9183.98	19	8038.53	11	9065.86	15	7574.5	16
13	JH 16041	7319.67	2	6979.76	21	4625.83	16	9956.79	5	7944.67	15	9721.03	9	7757.96	11
14	JH 16081	6760.25	8	8579.66	9	5549.42	6	9563.22	9	8881.27	4	8254.88	20	7931.45	9
15	JKMH150375	6221.66	14	6665.79	22	5466.69	7	9329.51	13	6198.08	21	9499.05	12	7230.13	20
16	JKMH4152	6000.6	17	7703	16	4437.3	18	10108.7	3	6850.54	19	8861.39	17	7326.92	19
17	KMH-463	4759.07	20	7822.19	15	6246.4	1	9386.05	11	8404.61	8	9762.41	8	7730.12	14
18	PM16103L	7099.66	4	10481	1	5031.18	12	10039	4	9649.45	1	9487.7	13	8631.33	1
19	SUPER1818	6376.66	12	9155.84	4	5645.41	4	9038.05	21	8457.18	7	9269.29	14	7990.41	7
20	BIO 9682 (C)	4514.07	21	8713.13	8	5024.48	13	9505.3	10	7374.26	18	9655.84	11	7464.51	18
21	CMH 08-282 (C)	6784.08	7	8560.98	10	4231.75	20	10138.9	2	8037.89	12	7910.17	22	7610.63	15
22	CMH 08-287 (C)	6528.95	9	8236.63	12	5397.18	8	9929.65	6	7798.04	17	9809.67	5	7950.02	8
	Location Mean	6242.11	.	8331.08	.	5056.58	.	9324.21	.	8004.13	.	9379.28	.	7722.9	.
	CV (%)	15.59	.	13.11	.	11.65	.	10.73	.	7.23	.	16.36	.	13.14	.
	F (Prob)	0	.	0.01	.	0	.	0	.	0	.	0.71	.	0	.
	CD (5%)	1603.15	.	1799.77	.	971.08	.	1648.1	.	953.58	.	2529.14	.	666.16	.
	CD (1%)	2143.33	.	2406.19	.	1298.28	.	2203.42	.	1274.89	.	3381.33	.	877.92	.

Table No. 9 (Contd.)

Superiority % over BIO 9682

S. No.	Entry	NWPZ													
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV1390164	60.09	3	-12.11	17	20.45	2	-3	16	19.29	5	14.56	1	11.67	2
2	B-57	29.34	18	-7.11	13	-10.31	17	4.07	7	18.84	6	3.42	4	5.12	10
3	BIO 218	17.52	19	10.09	3	13.51	3	-3.11	17	8.43	13	-9.77	18	3.87	12
4	CP 858	66.65	1	0.18	6	4.9	9	-2.33	14	25.71	2	0.54	10	11.16	3
5	CP777	37.89	13	-9.41	14	-18.36	21	-4.84	20	6.75	16	5.86	3	1.28	17
6	DKC 9178	36.07	15	-3.36	11	-0.84	15	-2.62	15	7.78	14	1.11	7	3.85	13
7	DKC9185(IR8449)	53.5	5	3.94	5	-0.25	14	0.99	8	10.35	10	1.59	6	8.39	6
8	HT17169	42.06	10	14.68	2	1.38	11	-3.24	18	10.84	9	7.36	2	9.93	5
9	JH 13278	52.59	6	0.03	7	11.95	5	13.82	1	22	3	-12.5	19	10.51	4
10	JH 15011	34.1	16	-16.63	20	-12.98	19	-1.29	12	-12.7	20	-6.59	16	-5.04	21
11	JH 15130	-10.62	22	-14.85	19	-27.44	22	-57.41	22	-17.75	22	-17.65	21	-25.95	22
12	JH 16040	41.44	11	-13.34	18	3.95	10	-3.38	19	9.01	11	-6.11	15	1.47	16
13	JH 16041	62.15	2	-19.89	21	-7.93	16	4.75	5	7.74	15	0.68	9	3.93	11
14	JH 16081	49.76	8	-1.53	9	10.45	6	0.61	9	20.44	4	-14.51	20	6.26	9
15	JKMH150375	37.83	14	-23.5	22	8.8	7	-1.85	13	-15.95	21	-1.62	12	-3.14	20
16	JKMH4152	32.93	17	-11.59	16	-11.69	18	6.35	3	-7.1	19	-8.23	17	-1.84	19
17	KMH-463	5.43	20	-10.23	15	24.32	1	-1.25	11	13.97	8	1.1	8	3.56	14
18	PM16103L	57.28	4	20.29	1	0.13	12	5.61	4	30.85	1	-1.74	13	15.63	1
19	SUPER1818	41.26	12	5.08	4	12.36	4	-4.92	21	14.69	7	-4	14	7.05	7
20	BIO 9682 (C)	0	21	0	8	0	13	0	10	0	18	0	11	0	18
21	CMH 08-282 (C)	50.29	7	-1.75	10	-15.78	20	6.67	2	9	12	-18.08	22	1.96	15
22	CMH 08-287 (C)	44.64	9	-5.47	12	7.42	8	4.46	6	5.75	17	1.59	5	6.5	8

Table No. 9 (Contd.) **Superiority % over CMH 08 -282**

S. No.	Entry	NWPZ													
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV1390164	6.52	3	-10.55	17	43.01	2	-9.06	16	9.44	5	39.84	1	9.53	2
2	B-57	-13.94	18	-5.46	13	6.49	17	-2.43	7	9.03	6	26.24	4	3.1	10
3	BIO 218	-21.8	19	12.05	3	34.78	3	-9.16	17	-0.53	13	10.14	18	1.87	12
4	CP 858	10.88	1	1.96	6	24.55	9	-8.43	14	15.33	2	22.73	10	9.02	3
5	CP777	-8.25	13	-7.8	14	-3.06	21	-10.79	20	-2.06	16	29.22	3	-0.67	17
6	DKC 9178	-9.46	15	-1.64	11	17.73	15	-8.7	15	-1.12	14	23.42	7	1.86	13
7	DKC9185(IR8449)	2.13	5	5.79	5	18.44	14	-5.32	8	1.24	10	24.01	6	6.31	6
8	HT17169	-5.48	10	16.72	2	20.37	11	-9.29	18	1.69	9	31.05	2	7.82	5
9	JH 13278	1.53	6	1.81	7	32.93	5	6.7	1	11.93	3	6.81	19	8.39	4
10	JH 15011	-10.77	16	-15.14	20	3.33	19	-7.46	12	-19.91	20	14.02	16	-6.86	21
11	JH 15130	-40.53	22	-13.34	19	-13.84	22	-60.07	22	-24.55	22	0.52	21	-27.37	22
12	JH 16040	-5.89	11	-11.8	18	23.43	10	-9.42	19	0.01	11	14.61	15	-0.47	16
13	JH 16041	7.89	2	-18.47	21	9.31	16	-1.8	5	-1.16	15	22.89	9	1.94	11
14	JH 16081	-0.35	8	0.22	9	31.14	6	-5.68	9	10.49	4	4.36	20	4.22	9
15	JKMH150375	-8.29	14	-22.14	22	29.18	7	-7.98	13	-22.89	21	20.09	12	-5	20
16	JKMH4152	-11.55	17	-10.02	16	4.86	18	-0.3	3	-14.77	19	12.03	17	-3.73	19
17	KMH-463	-29.85	20	-8.63	15	47.61	1	-7.43	11	4.56	8	23.42	8	1.57	14
18	PM16103L	4.65	4	22.43	1	18.89	12	-0.99	4	20.05	1	19.94	13	13.41	1
19	SUPER1818	-6.01	12	6.95	4	33.41	4	-10.86	21	5.22	7	17.18	14	4.99	7
20	BIO 9682 (C)	-33.46	21	1.78	8	18.73	13	-6.25	10	-8.26	18	22.07	11	-1.92	18
21	CMH 08-282 (C)	0	7	0	10	0	20	0	2	0	12	0	22	0	15
22	CMH 08-287 (C)	-3.76	9	-3.79	12	27.54	8	-2.06	6	-2.98	17	24.01	5	4.46	8

Table No. 9 (Contd.)

Superiority % over CMH 08 -287

S. No.	Entry	NWPZ													
		Aligarh_UP		Gurdaspur_PB		Kapurthala_PB		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV1390164	10.68	3	-7.03	17	12.13	2	-7.15	16	12.81	5	12.76	1	4.85	2
2	B-57	-10.57	18	-1.74	13	-16.5	17	-0.37	7	12.38	6	1.8	4	-1.3	10
3	BIO 218	-18.74	19	16.46	3	5.67	3	-7.25	17	2.53	13	-11.18	18	-2.48	12
4	CP 858	15.22	1	5.97	6	-2.34	9	-6.5	14	18.88	2	-1.04	10	4.37	3
5	CP777	-4.66	13	-4.17	14	-24	21	-8.91	20	0.95	16	4.2	3	-4.91	17
6	DKC 9178	-5.92	15	2.23	11	-7.69	15	-6.78	15	1.93	14	-0.48	7	-2.49	13
7	DKC9185(IR8449)	6.13	5	9.96	5	-7.14	14	-3.33	8	4.35	10	0	6	1.77	6
8	HT17169	-1.78	10	21.32	2	-5.62	11	-7.37	18	4.82	9	5.67	2	3.22	5
9	JH 13278	5.5	6	5.82	7	4.22	5	8.95	1	15.37	3	-13.87	19	3.76	4
10	JH 15011	-7.29	16	-11.8	20	-18.99	19	-5.51	12	-17.44	20	-8.06	16	-10.84	21
11	JH 15130	-38.2	22	-9.92	19	-32.45	22	-59.23	22	-22.22	22	-18.94	21	-30.47	22
12	JH 16040	-2.21	11	-8.33	18	-3.22	10	-7.51	19	3.08	11	-7.58	15	-4.72	16
13	JH 16041	12.11	2	-15.26	21	-14.29	16	0.27	5	1.88	15	-0.9	9	-2.42	11
14	JH 16081	3.54	8	4.16	9	2.82	6	-3.69	9	13.89	4	-15.85	20	-0.23	9
15	JKMH150375	-4.71	14	-19.07	22	1.29	7	-6.04	13	-20.52	21	-3.17	12	-9.06	20
16	JKMH4152	-8.09	17	-6.48	16	-17.78	18	1.8	3	-12.15	19	-9.67	17	-7.84	19
17	KMH-463	-27.11	20	-5.03	15	15.73	1	-5.47	11	7.78	8	-0.48	8	-2.77	14
18	PM16103L	8.74	4	27.25	1	-6.78	12	1.1	4	23.74	1	-3.28	13	8.57	1
19	SUPER1818	-2.33	12	11.16	4	4.6	4	-8.98	21	8.45	7	-5.51	14	0.51	7
20	BIO 9682 (C)	-30.86	21	5.79	8	-6.91	13	-4.27	10	-5.43	18	-1.57	11	-6.11	18
21	CMH 08-282 (C)	3.91	7	3.94	10	-21.59	20	2.11	2	3.08	12	-19.36	22	-4.27	15
22	CMH 08-287 (C)	0	9	0	12	0	8	0	6	0	17	0	5	0	8

Table No. 9 (Contd.) **Moisture %**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	15	26	18	24	13	25	20
2	B-57	15	26	18	23	13	25	20
3	BIO 218	17	27	18	23	12	24	20
4	CP 858	16	27	18	23	13	21	20
5	CP777	16	25	18	24	14	25	21
6	DKC 9178	16	26	18	25	13	22	20
7	DKC9185(IR8449)	16	27	18	24	12	24	20
8	HT17169	17	26	18	24	12	26	21
9	JH 13278	16	27	18	22	13	23	20
10	JH 15011	17	27	18	23	13	24	20
11	JH 15130	16	27	18	24	13	23	20
12	JH 16040	17	27	18	24	12	26	21
13	JH 16041	17	27	18	25	13	25	21
14	JH 16081	17	27	18	24	12	22	20
15	JKMH150375	17	28	18	24	11	27	21
16	JKMH4152	17	27	18	24	12	25	20
17	KMH-463	16	27	18	24	12	23	20
18	PM16103L	16	26	18	22	12	24	20
19	SUPER1818	17	27	18	23	11	26	20
20	BIO 9682 (C)	17	28	18	24	13	24	21
21	CMH 08-282 (C)	17	152	18	23	12	20	20
22	CMH 08-287 (C)	15	27	18	22	12	25	20
	Location Mean	17	27	18	24	12	24	20
	CV (%)	5.2	3.0	0.0	5.9	4.9	7.1	5.2
	F (Prob)	0.1	0.0	.	0.5	0.0	0.0	0.0
	CD (5%)	1.4	1.3	0.0	2.3	1.0	2.8	0.7
	CD (1%)	1.9	1.8	0.0	3.1	1.4	3.8	0.9

Table No. 9 (Contd.) **Shelling %**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	76	79	81	81	87	90	82
2	B-57	78	78	73	81	87	86	80
3	BIO 218	76	80	75	81	83	84	80
4	CP 858	76	80	74	83	87	84	81
5	CP777	75	78	75	82	87	89	81
6	DKC 9178	76	80	73	82	84	87	80
7	DKC9185(IR8449)	77	77	78	81	86	84	80
8	HT17169	76	81	74	82	85	88	81
9	JH 13278	77	80	79	81	85	85	81
10	JH 15011	76	79	78	81	83	87	81
11	JH 15130	78	81	75	82	82	86	81
12	JH 16040	77	77	75	82	84	84	80
13	JH 16041	76	81	78	82	84	89	82
14	JH 16081	77	79	76	81	85	85	80
15	JKMH150375	76	76	78	82	81	85	80
16	JKMH4152	74	75	77	83	86	85	80
17	KMH-463	76	79	76	82	84	87	81
18	PM16103L	77	78	77	81	85	85	81
19	SUPER1818	76	77	80	82	84	85	81
20	BIO 9682 (C)	74	77	76	81	81	82	79
21	CMH 08-282 (C)	76	152	74	82	83	88	80
22	CMH 08-287 (C)	76	80	76	81	84	89	81
	Location Mean	76	79	76	82	84	86	81
	CV (%)	2.3	2.1	4.0	1.4	1.2	3.4	2.5
	F (Prob)	0.6	0.0	0.1	0.7	0.0	0.1	0.0
	CD (5%)	2.9	2.7	5.0	1.8	1.6	4.8	1.3
	CD (1%)	3.9	3.6	6.6	2.4	2.2	6.4	1.8

Table No. 9 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	57	57	70	56	56	58	59
2	B-57	55	59	70	55	54	58	58
3	BIO 218	56	57	67	56	55	55	58
4	CP 858	56	58	67	55	55	55	58
5	CP777	55	58	73	56	54	57	59
6	DKC 9178	61	61	74	57	59	58	62
7	DKC9185(IR8449)	56	58	69	57	56	58	59
8	HT17169	55	57	70	54	54	58	58
9	JH 13278	56	56	66	53	54	55	57
10	JH 15011	56	58	70	54	54	56	58
11	JH 15130	56	59	67	55	56	55	58
12	JH 16040	55	57	67	54	55	56	57
13	JH 16041	56	58	70	54	55	56	58
14	JH 16081	56	58	67	55	56	55	58
15	JKMH150375	57	62	72	58	59	59	61
16	JKMH4152	58	62	69	56	59	57	60
17	KMH-463	58	58	67	54	55	56	58
18	PM16103L	54	56	65	54	54	55	56
19	SUPER1818	56	60	71	57	59	57	60
20	BIO 9682 (C)	56	58	68	56	53	56	58
21	CMH 08-282 (C)	54	152	68	53	52	54	56
22	CMH 08-287 (C)	58	59	71	56	57	56	59
	Location Mean	56	58	69	55	55	56	58
	CV (%)	3.0	1.8	4.4	2.0	2.4	2.1	2.9
	F (Prob)	0.0	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	2.8	1.7	5.0	1.8	2.2	2.0	1.1
	CD (1%)	3.7	2.3	6.6	2.4	3.0	2.6	1.5

Table No. 9 (Contd.) **Days to 50 % silking**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	60	58	68	58	56	61	60
2	B-57	60	60	65	58	56	61	60
3	BIO 218	61	58	64	59	56	58	59
4	CP 858	59	58	63	57	56	58	59
5	CP777	59	59	69	59	55	60	60
6	DKC 9178	64	62	71	59	60	61	63
7	DKC9185(IR8449)	60	59	66	59	57	61	60
8	HT17169	60	58	66	57	56	61	59
9	JH 13278	61	57	62	56	54	57	58
10	JH 15011	60	59	63	56	55	59	59
11	JH 15130	58	60	64	57	57	58	59
12	JH 16040	58	58	65	56	56	59	59
13	JH 16041	60	59	65	56	56	59	59
14	JH 16081	59	59	64	57	56	57	59
15	JKMH150375	62	63	70	60	60	61	63
16	JKMH4152	62	63	67	58	60	60	62
17	KMH-463	62	59	63	57	56	59	59
18	PM16103L	58	57	64	57	55	57	58
19	SUPER1818	60	61	68	60	60	59	61
20	BIO 9682 (C)	62	60	64	58	54	59	59
21	CMH 08-282 (C)	57	152	62	55	53	57	57
22	CMH 08-287 (C)	62	60	68	58	58	59	61
	Location Mean	60	59	66	58	56	59	60
	CV (%)	3.8	1.8	4.3	2.3	2.1	2.2	3.0
	F (Prob)	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	3.8	1.8	4.6	2.2	2.0	2.1	1.2
	CD (1%)	5.1	2.4	6.2	2.9	2.6	2.9	1.5

Table No. 9 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	90	95	77	92	92	101	91
2	B-57	90	95	75	92	92	101	91
3	BIO 218	90	95	72	91	92	98	90
4	CP 858	91	94	74	91	92	99	90
5	CP777	91	95	78	91	91	99	91
6	DKC 9178	90	97	80	92	95	101	93
7	DKC9185(IR8449)	91	95	75	92	91	101	91
8	HT17169	91	94	74	91	92	101	90
9	JH 13278	89	93	73	91	90	97	89
10	JH 15011	90	95	75	91	87	99	90
11	JH 15130	93	96	73	91	90	96	90
12	JH 16040	89	94	75	91	91	99	90
13	JH 16041	88	95	75	91	90	99	90
14	JH 16081	89	95	71	92	89	98	89
15	JKMH150375	91	97	79	92	93	100	92
16	JKMH4152	91	98	74	93	95	100	92
17	KMH-463	87	94	75	91	92	97	89
18	PM16103L	89	93	77	91	91	97	90
19	SUPER1818	92	96	76	92	94	99	91
20	BIO 9682 (C)	90	95	75	92	91	99	90
21	CMH 08-282 (C)	88	152	72	91	88	98	88
22	CMH 08-287 (C)	90	96	75	92	93	99	91
	Location Mean	90	95	75	91	91	99	90
	CV (%)	2.2	1.2	3.4	1.4	2.0	2.0	2.1
	F (Prob)	0.1	0.0	0.0	0.9	0.0	0.1	0.0
	CD (5%)	3.2	1.9	4.2	2.1	3.0	3.3	1.2
	CD (1%)	4.3	2.5	5.7	2.8	4.0	4.5	1.6

Table No. 9 (Contd.) **Ears Number**

S. No.	Entry	NWPZ					
		Aligarh_UP	Gurdaspur_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	123	67	125	110	111	107
2	B-57	119	60	131	113	106	106
3	BIO 218	116	72	132	112	114	109
4	CP 858	126	58	122	105	107	104
5	CP777	116	59	127	110	97	102
6	DKC 9178	116	61	124	106	105	102
7	DKC9185(IR8449)	118	69	129	111	104	106
8	HT17169	116	74	125	117	112	109
9	JH 13278	116	71	122	117	105	106
10	JH 15011	118	65	127	105	103	103
11	JH 15130	60	54	48	102	101	73
12	JH 16040	118	77	129	114	110	110
13	JH 16041	119	60	122	108	102	102
14	JH 16081	117	61	132	120	111	108
15	JKMH150375	110	52	122	105	99	98
16	JKMH4152	122	55	124	102	98	100
17	KMH-463	116	60	130	119	107	106
18	PM16103L	119	77	137	119	104	111
19	SUPER1818	116	69	128	115	107	107
20	BIO 9682 (C)	119	71	142	123	115	114
21	CMH 08-282 (C)	115	152	122	110	104	102
22	CMH 08-287 (C)	118	70	130	109	100	106
	Location Mean	115	65	124	112	106	104
	CV (%)	4.1	10.8	7.3	4.6	8.4	6.9
	F (Prob)	0.0	0.0	0.0	0.0	0.5	0.0
	CD (5%)	7.8	11.5	15.0	8.5	14.7	5.2
	CD (1%)	10.4	15.4	20.0	11.4	19.6	6.8

Table No. 9 (Contd.) Initial plant stand

S. No.	Entry	NWPZ			
		Aligarh_UP	Karnal_HR	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean
1	ADV1390164	123	120	112	118
2	B-57	126	119	102	116
3	BIO 218	122	119	116	119
4	CP 858	123	120	101	115
5	CP777	124	119	98	114
6	DKC 9178	123	119	110	117
7	DKC9185(IR8449)	123	120	107	117
8	HT17169	123	119	116	119
9	JH 13278	124	119	109	117
10	JH 15011	126	119	107	117
11	JH 15130	51	40	100	64
12	JH 16040	124	120	114	119
13	JH 16041	123	120	102	115
14	JH 16081	123	120	113	119
15	JKMH150375	123	120	103	115
16	JKMH4152	124	119	100	114
17	KMH-463	123	118	109	117
18	PM16103L	123	120	108	117
19	SUPER1818	124	119	115	119
20	BIO 9682 (C)	121	119	110	117
21	CMH 08-282 (C)	122	152	104	115
22	CMH 08-287 (C)	123	119	103	115
	Location Mean	120	116	107	114
	CV (%)	1.3	0.8	7.8	4.3
	F (Prob)	0.0	0.0	0.2	0.0
	CD (5%)	2.6	1.6	13.8	4.6
	CD (1%)	3.5	2.1	18.5	6.1

Table No. 9 (Contd.) **Final plant stand**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	83	65	80	68	82	61	73
2	B-57	84	58	78	69	79	57	71
3	BIO 218	83	69	80	68	84	62	74
4	CP 858	83	56	80	66	77	56	70
5	CP777	83	56	77	68	79	54	70
6	DKC 9178	82	58	79	68	81	58	71
7	DKC9185(IR8449)	83	66	79	69	86	57	73
8	HT17169	83	71	80	68	79	62	74
9	JH 13278	84	68	80	68	83	58	74
10	JH 15011	84	62	78	68	81	57	72
11	JH 15130	34	52	76	23	75	56	53
12	JH 16040	84	74	79	68	81	61	75
13	JH 16041	83	58	78	68	82	55	71
14	JH 16081	83	59	80	69	84	61	73
15	JKMH150375	83	50	78	68	77	55	69
16	JKMH4152	84	53	77	67	81	54	69
17	KMH-463	83	58	81	68	87	59	73
18	PM16103L	83	74	79	69	84	58	74
19	SUPER1818	84	66	80	69	86	60	74
20	BIO 9682 (C)	83	69	80	67	88	61	74
21	CMH 08-282 (C)	83	152	76	67	83	57	71
22	CMH 08-287 (C)	84	67	79	68	79	56	72
	Location Mean	81	62	79	66	82	58	71
	CV (%)	1.4	10.8	1.8	1.5	5.2	7.1	5.3
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	CD (5%)	1.8	11.1	2.3	1.6	7.0	6.8	2.5
	CD (1%)	2.5	14.8	3.1	2.1	9.4	9.1	3.2

Table No. 9 (Contd.) **Plant Height**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	218	225	213	180	220	284	223
2	B-57	226	247	205	178	237	285	230
3	BIO 218	233	257	209	180	235	297	235
4	CP 858	249	257	202	193	243	299	241
5	CP777	221	250	192	175	218	280	223
6	DKC 9178	245	280	220	180	250	302	246
7	DKC9185(IR8449)	259	272	234	188	257	306	253
8	HT17169	220	230	194	184	217	293	223
9	JH 13278	261	252	228	171	228	317	243
10	JH 15011	243	227	215	175	198	299	226
11	JH 15130	267	272	228	196	223	316	250
12	JH 16040	254	255	208	183	218	293	235
13	JH 16041	241	260	206	189	233	284	236
14	JH 16081	259	272	228	198	237	306	250
15	JKMH150375	276	275	235	183	258	319	258
16	JKMH4152	256	275	220	191	213	303	243
17	KMH-463	221	250	199	201	215	288	229
18	PM16103L	243	258	212	185	248	294	240
19	SUPER1818	223	250	209	179	215	290	228
20	BIO 9682 (C)	210	233	214	178	223	287	224
21	CMH 08-282 (C)	251	152	208	195	237	298	240
22	CMH 08-287 (C)	255	267	198	197	230	310	243
	Location Mean	242	255	213	186	230	298	237
	CV (%)	6.3	6.3	5.9	7.5	7.0	5.3	6.3
	F (Prob)	0.0	0.0	0.0	0.4	0.0	0.1	0.0
	CD (5%)	25.2	26.5	20.8	23.0	26.6	26.0	9.9
	CD (1%)	33.7	35.4	27.8	30.7	35.5	34.7	13.0

Table No. 9 (Contd.) **Ear Height**

S. No.	Entry	NWPZ						
		Aligarh_UP	Gurdaspur_PB	Kapurthala_PB	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV1390164	102	128	107	83	113	132	116
2	B-57	108	128	106	82	113	132	117
3	BIO 218	104	140	111	83	127	143	125
4	CP 858	109	127	108	94	120	132	119
5	CP777	106	133	93	77	117	131	116
6	DKC 9178	127	143	130	82	120	136	131
7	DKC9185(IR8449)	132	147	143	89	130	139	138
8	HT17169	101	122	85	82	110	137	111
9	JH 13278	124	150	125	73	123	153	135
10	JH 15011	111	127	114	77	103	137	118
11	JH 15130	128	160	134	96	117	154	139
12	JH 16040	111	137	104	85	112	137	120
13	JH 16041	111	142	112	93	125	131	124
14	JH 16081	120	150	133	95	133	148	137
15	JKMH150375	118	143	142	85	128	148	136
16	JKMH4152	128	157	113	124	113	149	132
17	KMH-463	101	142	101	101	107	132	117
18	PM16103L	101	137	115	85	108	135	119
19	SUPER1818	109	135	111	79	110	134	120
20	BIO 9682 (C)	103	140	115	80	113	138	122
21	CMH 08-282 (C)	127	152	112	96	123	138	130
22	CMH 08-287 (C)	126	152	107	97	120	153	132
	Location Mean	114	140	115	88	118	139	125
	CV (%)	9.2	9.1	8.7	21.5	8.6	7.4	8.6
	F (Prob)	0.0	0.0	0.0	0.5	0.0	0.1	0.0
	CD (5%)	17.2	21.1	16.5	31.1	16.7	17.0	7.8
	CD (1%)	23.0	28.2	22.0	41.6	22.4	22.7	10.2

Table No. 10: Trial No. 498 (Medium Maturity) AVT-I-II **Yield (kg/ha)**

S. No.	Entry Name	NEPZ																		All India	
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Koraput_OR		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	DKC8174(IQ8319)	7642	1	4663	6	6757	5	6252	2	7303	1	8625	1	7718	1	6752	2	6806	1	6806	1
2	JKMH15303	5545	4	4434	7	6454	7	5909	3	3874	7	5287	6	5870	4	5632	6	5301	7	5301	7
3	LMH 1017	5284	5	6609	1	6862	3	6292	1	4908	4	7072	3	6269	3	6474	4	6068	3	6068	3
4	Bio 9544 (C)	6092	2	6394	3	7015	1	5575	4	5794	2	8202	2	7222	2	5450	7	6328	2	6328	2
5	CMH 08-292 (C)	4490	6	6572	2	6875	2	5363	5	5066	3	6139	5	5842	5	6816	1	5943	4	5943	4
6	DHM 121 (C)	5920	3	5459	4	6787	4	5257	6	4334	6	6414	4	5611	6	6228	5	5723	5	5723	5
7	DHM 117 (FILLER)	4345	7	5452	5	6657	6	4992	7	4712	5	5066	7	4948	7	6649	3	5461	6	5461	6
	Location Mean	5617	.	5655	.	6772	.	5663	.	5141	.	6686	.	6211	.	6286	.	5947	.	5947	.
	CV (%)	17.4	.	18.3	.	6.3	.	22.8	.	16.2	.	24.4	.	12.6	.	13.4	.	14.1	.	14.1	.
	F (Prob)	0.0	.	0.1	.	0.8	.	0.8	.	0.0	.	0.1	.	0.0	.	0.3	.	0.0	.	0.0	.
	CD (5%)	1734.0	.	1842.4	.	757.2	.	2298.0	.	1478.7	.	2903.3	.	1396.5	.	1499.3	.	557.4	.	557.4	.
	CD (1%)	2431.0	.	2583.0	.	1061.5	.	3221.6	.	2073.1	.	4070.2	.	1957.8	.	2101.9	.	739.8	.	739.8	.

Table No. 10 (Contd.) **% superiority over Bio 9544 (C)**

S. No.	Entry	NEPZ																		All India	
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Koraput_OR		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	25.44	1	-27.07	6	-3.68	5	12.14	2	26.05	1	5.15	1	6.88	1	23.88	2	7.56	1	7.56	1
2	JKMH15303	-8.98	4	-30.64	7	-8	7	5.98	3	-33.14	7	-35.55	6	-18.71	4	3.33	6	-16.22	7	-16.22	7
3	LMH 1017	-13.27	5	3.36	1	-2.18	3	12.86	1	-15.28	4	-13.79	3	-13.19	3	18.78	4	-4.11	3	-4.11	3
4	Bio 9544 (C)	0	2	0	3	0	1	0	4	0	2	0	2	0	2	0	7	0	2	0	2
5	CMH 08-292 (C)	-26.3	6	2.79	2	-1.99	2	-3.81	5	-12.57	3	-25.16	5	-19.1	5	25.06	1	-6.07	4	-6.07	4
6	DHM 121 (C)	-2.83	3	-14.63	4	-3.25	4	-5.71	6	-25.19	6	-21.81	4	-22.31	6	14.28	5	-9.56	5	-9.56	5
7	DHM 117 (FILLER)	-28.67	7	-14.73	5	-5.1	6	-10.45	7	-18.67	5	-38.24	7	-31.48	7	22	3	-13.7	6	-13.7	6

Table No. 10 (Contd.) **% superiority over CMH 08-292 (C)**

S. No.	Entry	NEPZ																		All India	
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Koraput_OR		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	70.21	1	-29.05	6	-1.72	5	16.59	2	44.16	1	40.5	1	32.11	1	-0.94	2	14.51	1	14.51	1
2	JKMH15303	23.5	4	-32.53	7	-6.13	7	10.18	3	-23.53	7	-13.88	6	0.47	4	-17.38	6	-10.8	7	-10.8	7
3	LMH 1017	17.69	5	0.56	1	-0.19	3	17.34	1	-3.1	4	15.2	3	7.3	3	-5.02	4	2.09	3	2.09	3
4	Bio 9544 (C)	35.69	2	-2.72	3	2.03	1	3.96	4	14.37	2	33.62	2	23.61	2	-20.04	7	6.46	2	6.46	2
5	CMH 08-292 (C)	0	6	0	2	0	2	0	5	0	3	0	5	0	5	0	1	0	4	0	4
6	DHM 121 (C)	31.85	3	-16.95	4	-1.29	4	-1.97	6	-14.44	6	4.48	4	-3.97	6	-8.62	5	-3.71	5	-3.71	5
7	DHM 117 (FILLER)	-3.22	7	-17.05	5	-3.16	6	-6.9	7	-6.99	5	-17.47	7	-15.3	7	-2.45	3	-8.12	6	-8.12	6

Table No. 10 (Contd.) **% superiority over DHM 121 (C)**

S. No.	Entry	NEPZ																		All India	
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Koraput_OR		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	29.09	1	-14.57	6	-0.44	5	18.93	2	68.49	1	34.47	1	37.57	1	8.4	2	18.92	1	18.92	1
2	JKMH15303	-6.33	4	-18.76	7	-4.9	7	12.4	3	-10.63	7	-17.57	6	4.63	4	-9.58	6	-7.37	7	-7.37	7
3	LMH 1017	-10.74	5	21.07	1	1.11	3	19.69	1	13.25	4	10.26	3	11.73	3	3.94	4	6.02	3	6.02	3
4	Bio 9544 (C)	2.91	2	17.13	3	3.36	1	6.05	4	33.67	2	27.89	2	28.71	2	-12.49	7	10.57	2	10.57	2
5	CMH 08-292 (C)	-24.15	6	20.4	2	1.3	2	2.01	5	16.88	3	-4.29	5	4.13	5	9.44	1	3.85	4	3.85	4
6	DHM 121 (C)	0	3	0	4	0	4	0	6	0	6	0	4	0	6	0	5	0	5	0	5
7	DHM 117 (FILLER)	-26.59	7	-0.12	5	-1.9	6	-5.03	7	8.71	5	-21.01	7	-11.8	7	6.76	3	-4.58	6	-4.58	6

Table No. 10 (Contd.) **Moisture(%)**

S. No.	Entry	NEPZ									All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	30	23	21	29	13	19	29	27	24	24
2	JKMH15303	30	25	21	30	13	19	28	28	24	24
3	LMH 1017	29	26	22	29	13	19	28	27	24	24
4	Bio 9544 (C)	33	26	22	29	13	19	28	27	25	25
5	CMH 08-292 (C)	31	24	21	30	12	19	29	29	24	24
6	DHM 121 (C)	31	26	21	29	12	19	28	26	24	24
7	DHM 117 (FILLER)	30	25	22	30	13	19	29	27	24	24
	Location Mean	31	25	21	29	13	19	28	27	24	24
	CV (%)	1.5	4.5	1.6	3.5	4.5	2.2	1.3	4.1	3.1	3.1
	F (Prob)	0.0	0.0	0.0	1.0	0.7	0.4	0.1	0.2	0.1	0.1
	CD (5%)	0.8	2.0	0.6	1.8	1.0	0.7	0.6	2.0	0.4	0.4
	CD (1%)	1.2	2.8	0.9	2.6	1.4	1.0	0.9	2.8	0.6	0.6

Table No. 10 (Contd.) **Shelling(%)**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	74	76	81	85	66	84	78	84	76	78	78
2	JKMH15303	75	73	81	83	69	82	78	85	79	78	78
3	LMH 1017	74	79	80	82	66	80	75	86	80	78	78
4	Bio 9544 (C)	74	78	81	85	69	84	77	83	78	79	79
5	CMH 08-292 (C)	76	76	81	85	72	83	77	75	78	78	78
6	DHM 121 (C)	71	74	81	78	68	80	68	84	80	76	76
7	DHM 117 (FILLER)	69	76	80	78	61	84	65	80	77	74	74
	Location Mean	73	76	81	82	67	82	74	82	78	77	77
	CV (%)	0.9	3.2	1.1	4.2	7.4	5.0	3.1	2.5	3.6	3.8	3.8
	F (Prob)	0.0	0.1	0.5	0.1	0.3	0.8	0.0	0.0	0.5	0.0	0.0
	CD (5%)	1.2	4.3	1.5	6.1	8.9	7.4	4.1	3.7	5.1	1.6	1.6
	CD (1%)	1.7	6.0	2.1	8.6	12.5	10.3	5.7	5.2	7.1	2.1	2.1

Table No. 10 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	58	55	47	65	55	52	57	50	51	55	55
2	JKMH15303	60	58	47	66	55	52	58	51	54	56	56
3	LMH 1017	58	53	46	64	54	51	55	48	53	54	54
4	Bio 9544 (C)	60	58	48	64	55	53	59	48	51	55	55
5	CMH 08-292 (C)	62	52	47	66	53	52	58	46	54	55	55
6	DHM 121 (C)	58	55	48	66	55	53	57	51	52	55	55
7	DHM 117 (FILLER)	58	58	48	67	55	52	58	53	54	56	56
	Location Mean	59	56	47	65	55	52	57	50	53	55	55
	CV (%)	3.2	3.2	2.7	1.4	2.0	2.8	2.4	3.1	1.3	2.5	2.5
	F (Prob)	0.2	0.0	0.6	0.0	0.2	0.8	0.1	0.0	0.0	0.0	0.0
	CD (5%)	3.4	3.2	2.2	1.7	1.9	2.6	2.5	2.7	1.2	0.8	0.8
	CD (1%)	4.7	4.4	3.1	2.3	2.7	3.7	3.5	3.8	1.7	1.0	1.0

Table No. 10 (Contd.) **Days to 50 % silking**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	62	57	50	67	51	55	60	54	56	57	57
2	JKMH15303	61	60	50	68	53	56	61	54	58	58	58
3	LMH 1017	60	55	49	65	52	54	58	52	58	56	56
4	Bio 9544 (C)	62	60	50	66	53	57	62	53	55	57	57
5	CMH 08-292 (C)	64	54	50	68	51	55	60	51	58	57	57
6	DHM 121 (C)	62	57	50	68	53	57	60	55	56	58	58
7	DHM 117 (FILLER)	62	60	50	69	54	58	61	57	58	59	59
	Location Mean	62	58	50	67	52	56	60	54	57	57	57
	CV (%)	3.8	3.2	2.7	1.2	3.2	3.4	1.9	2.2	1.5	2.7	2.7
	F (Prob)	0.6	0.0	0.8	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	CD (5%)	4.2	3.3	2.4	1.4	3.0	3.4	2.1	2.1	1.5	0.8	0.8
	CD (1%)	5.9	4.6	3.4	2.0	4.1	4.7	2.9	2.9	2.1	1.1	1.1

Table No. 10 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	92	90	88	114	78	88	99	90	88	92	92
2	JKMH15303	90	91	87	115	82	87	97	90	88	92	92
3	LMH 1017	89	85	88	113	77	87	92	88	88	90	90
4	Bio 9544 (C)	92	91	89	113	80	90	102	89	87	93	93
5	CMH 08-292 (C)	92	85	88	116	80	88	93	87	87	91	91
6	DHM 121 (C)	91	89	88	114	81	88	99	91	89	92	92
7	DHM 117 (FILLER)	91	89	88	116	81	88	97	93	89	92	92
	Location Mean	91	89	88	115	80	88	97	90	88	92	92
	CV (%)	1.6	2.6	1.8	1.0	2.6	2.5	2.7	1.3	1.1	2.0	2.0
	F (Prob)	0.3	0.0	0.7	0.0	0.1	0.6	0.0	0.0	0.3	0.0	0.0
	CD (5%)	2.6	4.0	2.8	2.1	3.7	3.9	4.7	2.1	1.8	1.0	1.0
	CD (1%)	3.6	5.6	3.9	3.0	5.1	5.5	6.5	2.9	2.5	1.3	1.3

Table No. 10 (Contd.) **Ears (Number)**

S. No.	Entry	NEPZ									All India
		BHU_UP	Baharaich_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	104	104	102	120	81	98	72	113	96	96
2	JKMH15303	94	105	87	72	62	80	64	105	85	85
3	LMH 1017	99	104	91	93	79	96	54	110	90	90
4	Bio 9544 (C)	96	103	91	114	79	95	69	107	92	92
5	CMH 08-292 (C)	94	104	85	111	77	93	52	110	88	88
6	DHM 121 (C)	102	103	89	83	64	91	64	108	89	89
7	DHM 117 (FILLER)	90	103	94	94	76	85	57	109	88	88
	Location Mean	97	104	91	98	74	91	62	109	90	90
	CV (%)	8.0	2.0	12.0	20.9	18.4	10.4	13.8	3.8	9.9	9.9
	F (Prob)	0.4	0.9	0.6	0.1	0.5	0.3	0.1	0.4	0.0	0.0
	CD (5%)	13.9	3.7	19.5	36.5	24.2	16.9	15.1	7.3	5.4	5.4
	CD (1%)	19.4	5.1	27.4	51.2	34.0	23.7	21.2	10.2	7.2	7.2

Table No. 10 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	NEPZ									All India
		BHU_UP	Baharaich_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	104	105	106	74	86	117	81	117	99	99
2	JKMH15303	141	106	99	74	73	107	76	108	98	98
3	LMH 1017	107	106	97	73	86	121	75	115	98	98
4	Bio 9544 (C)	105	104	104	73	84	111	82	109	96	96
5	CMH 08-292 (C)	101	105	98	74	85	105	75	115	95	95
6	DHM 121 (C)	106	103	101	74	73	101	78	110	93	93
7	DHM 117 (FILLER)	104	104	103	74	83	114	77	113	97	97
	Location Mean	110	105	101	74	81	111	78	112	96	96
	CV (%)	17.3	2.2	4.3	1.5	13.7	6.6	4.1	3.2	8.9	8.9
	F (Prob)	0.2	0.9	0.2	0.6	0.5	0.1	0.1	0.1	0.3	0.3
	CD (5%)	33.8	4.1	7.7	1.9	19.8	13.0	5.6	6.4	4.9	4.9
	CD (1%)	47.4	5.8	10.8	2.7	27.8	18.2	7.8	8.9	6.5	6.5

Table No. 10 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	NEPZ									All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	72	72	77	71	80	56	66	78	72	72
2	JKMH15303	98	72	76	60	80	43	62	73	71	71
3	LMH 1017	74	72	78	63	81	55	70	76	71	71
4	Bio 9544 (C)	73	71	76	63	79	55	65	74	70	70
5	CMH 08-292 (C)	70	71	76	59	80	54	63	76	69	69
6	DHM 121 (C)	74	72	76	62	81	44	63	75	68	68
7	DHM 117 (FILLER)	72	71	75	65	82	53	66	75	70	70
	Location Mean	76	72	76	63	81	51	65	75	70	70
	CV (%)	17.3	1.8	3.9	12.0	1.9	18.4	9.0	3.5	9.8	9.8
	F (Prob)	0.2	0.7	1.0	0.6	0.2	0.5	0.8	0.4	0.6	0.6
	CD (5%)	23.5	2.3	5.3	13.6	2.7	16.8	10.4	4.7	3.9	3.9
	CD (1%)	32.9	3.2	7.4	19.0	3.8	23.6	14.6	6.6	5.2	5.2

Table No. 10 (Contd.) **Plant Height (cm)**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	183	182	173	194	234	219	256	204	175	202	202
2	JKMH15303	145	181	171	191	240	223	265	197	158	197	197
3	LMH 1017	185	204	173	211	247	242	278	215	176	215	215
4	Bio 9544 (C)	153	164	171	150	226	183	238	179	147	179	179
5	CMH 08-292 (C)	185	203	172	191	244	235	283	201	171	210	210
6	DHM 121 (C)	165	188	170	175	265	203	257	196	163	198	198
7	DHM 117 (FILLER)	188	205	168	181	220	202	261	209	179	201	201
	Location Mean	172	189	171	185	240	215	263	200	167	200	200
	CV (%)	14.2	6.8	4.3	4.5	17.7	3.4	5.9	5.1	4.5	9.2	9.2
	F (Prob)	0.2	0.0	1.0	0.0	0.9	0.0	0.1	0.0	0.0	0.0	0.0
	CD (5%)	43.4	23.0	13.2	14.9	75.3	12.8	27.7	18.2	13.2	10.0	10.0
	CD (1%)	60.8	32.3	18.4	20.8	105.6	18.0	38.8	25.4	18.5	13.2	13.2

Table No. 10 (Contd.) **Ear Height (cm)**

S. No.	Entry	NEPZ										All India
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DKC8174(IQ8319)	103	85	76	79	100	104	117	96	85	94	94
2	JKMH15303	93	76	73	73	100	98	118	74	70	86	86
3	LMH 1017	107	106	79	89	99	133	131	104	89	104	104
4	Bio 9544 (C)	88	79	74	69	79	92	107	84	77	83	83
5	CMH 08-292 (C)	99	104	78	79	93	121	133	88	85	98	98
6	DHM 121 (C)	82	85	77	67	107	89	110	84	79	87	87
7	DHM 117 (FILLER)	104	98	71	79	94	99	115	91	93	94	94
	Location Mean	97	90	75	77	96	105	119	89	83	92	92
	CV (%)	9.3	9.8	9.2	6.3	16.4	5.9	6.7	10.3	6.8	9.5	9.5
	F (Prob)	0.1	0.0	0.8	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	16.0	15.7	12.4	8.5	28.0	11.0	14.2	16.3	10.0	4.7	4.7
	CD (1%)	22.5	22.0	17.4	12.0	39.3	15.5	19.9	22.8	14.0	6.3	6.3

Table No. 11 Trail No. 505 (Early Maturity) AVT-I-II **Yield (Kg/ha)**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	JH 31947	6454.81	1	6455.58	2	4000.97	3	10779.5	1	5138.27	7	7136.94	3	7371.32	2	3850.8	6	7193.02	2
2	BIO 605 (C)	5376.5	5	6317.39	4	5000.98	1	9885.33	4	6807.85	2	7633.82	1	7464.15	1	4218.78	3	7204.18	1
3	DKC 7074 (C)	6399.57	2	5840.47	7	4704.39	2	8671.48	5	7166.12	1	7351.94	2	6007.5	7	4750.43	2	7085.91	3
4	PMH 5 (C)	5979.07	4	6175.48	5	510.51	7	6889.75	6	5581.4	4	5436.96	5	6268.56	5	3686.8	7	6012.53	6
5	Vivek hybrid 45 (c)	4651.4	7	6044.35	6	2723.09	5	10592.17	2	5773.51	3	5176.97	6	6336.12	4	3959.49	5	6447.68	4
6	Vivek hybrid 51 (C)	4830.92	6	6352.18	3	1721.02	6	9993.87	3	5249.33	6	5711.42	4	6213.65	6	4056.16	4	6427.54	5
7	DHM 117 (FILLER)	6190.68	3	6555.52	1	3462.72	4	6712.68	7	5267.3	5	4900.38	7	6772.15	3	5256.19	1	5925.31	7
	Location Mean	5697.56	.	6248.71	.	3160.52	.	9074.97	.	5854.82	.	6192.64	.	6633.35	.	4254.09	.	6613.74	.
	CV (%)	8.43	.	6.92	.	23.75	.	14.44	.	16.81	.	14.81	.	20.79	.	14.34	.	13.43	.
	F (Prob)	0	.	0.48	.	0	.	0.01	.	0.14	.	0.01	.	0.77	.	0.08	.	0	.
	CD (5%)	854.8	.	768.96	.	1335.15	.	2331.34	.	1750.44	.	1632.08	.	2453.87	.	1085.35	.	648.78	.
	CD (1%)	1198.37	.	1078.02	.	1871.79	.	3268.37	.	2453.99	.	2288.07	.	3440.15	.	1521.58	.	862.84	.

Table No. 11 (Contd.) **Gain in Yield(%) over BIO 605 (C)**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	20.06	1	2.19	2	-20	3	9.05	1	-24.52	7	-6.51	3	-1.24	2	-8.72	6	-0.15	2
2	BIO 605 (C)	0	5	0	4	0	1	0	4	0	2	0	1	0	1	0	3	0	1
3	DKC 7074 (C)	19.03	2	-7.55	7	-5.93	2	-12.28	5	5.26	1	-3.69	2	-19.52	7	12.6	2	-1.64	3
4	PMH 5 (C)	11.21	4	-2.25	5	-89.79	7	-30.3	6	-18.02	4	-28.78	5	-16.02	5	-12.61	7	-16.54	6
5	Vivek hybrid 45 (c)	-13.49	7	-4.32	6	-45.55	5	7.15	2	-15.19	3	-32.18	6	-15.11	4	-6.15	5	-10.5	4
6	Vivek hybrid 51 (C)	-10.15	6	0.55	3	-65.59	6	1.1	3	-22.89	6	-25.18	4	-16.75	6	-3.85	4	-10.78	5
7	DHM 117 (FILLER)	15.14	3	3.77	1	-30.76	4	-32.09	7	-22.63	5	-35.81	7	-9.27	3	24.59	1	-17.75	7

Table No. 11 (Contd.) **Gain in Yield(%) over DKC7074**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	0.86	1	10.53	2	-14.95	3	24.31	1	-28.3	7	-2.92	3	22.7	2	-18.9	6	1.51	2
2	BIO 605 (C)	-16	5	8.17	4	6.3	1	14	4	-5	2	3.83	1	24.25	1	-11.2	3	1.67	1
3	DKC 7074 (C)	0	2	0	7	0	2	0	5	0	1	0	2	0	7	0	2	0	3
4	PMH 5 (C)	-6.57	4	5.74	5	-89.15	7	-20.55	6	-22.11	4	-26.1	5	4.35	5	-22.4	7	-15.2	6
5	Vivek hybrid 45 (c)	-27.3	7	3.49	6	-42.12	5	22.15	2	-19.43	3	-29.6	6	5.47	4	-16.7	5	-9.01	4
6	Vivek hybrid 51 (C)	-24.5	6	8.76	3	-63.42	6	15.25	3	-26.75	6	-22.3	4	3.43	6	-14.6	4	-9.29	5
7	DHM 117 (FILLER)	-3.26	3	12.24	1	-26.39	4	-22.59	7	-26.5	5	-33.4	7	12.73	3	10.65	1	-16.4	7

Table No. 11 (Contd.) **Gain in Yield(%) over PMH5**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	7.96	1	4.54	2	683.72	3	56.46	1	-7.94	7	31.27	3	17.59	2	4.45	6	19.63	2
2	BIO 605 (C)	-10.08	5	2.3	4	879.6	1	43.48	4	21.97	2	40.41	1	19.07	1	14.43	3	19.82	1
3	DKC 7074 (C)	7.03	2	-5.42	7	821.51	2	25.86	5	28.39	1	35.22	2	-4.16	7	28.85	2	17.85	3
4	PMH 5 (C)	0	4	0	5	0	7	0	6	0	4	0	5	0	5	0	7	0	6
5	Vivek hybrid 45 (c)	-22.21	7	-2.12	6	433.4	5	53.74	2	3.44	3	-4.78	6	1.08	4	7.4	5	7.24	4
6	Vivek hybrid 51 (C)	-19.2	6	2.86	3	237.12	6	45.05	3	-5.95	6	5.05	4	-0.88	6	10.02	4	6.9	5
7	DHM 117 (FILLER)	3.54	3	6.15	1	578.29	4	-2.57	7	-5.63	5	-9.87	7	8.03	3	42.57	1	-1.45	7

Table No. 11 (Contd.) **Gain in Yield(%) over Vivek Hybrid 45**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	38.77	1	6.8	2	46.93	3	1.77	1	-11	7	37.86	3	16.34	2	-2.74	6	11.56	2
2	BIO 605 (C)	15.59	5	4.52	4	83.65	1	-6.67	4	17.92	2	47.46	1	17.8	1	6.55	3	11.73	1
3	DKC 7074 (C)	37.58	2	-3.37	7	72.76	2	-18.13	5	24.12	1	42.01	2	-5.19	7	20	2	9.9	3
4	PMH 5 (C)	28.54	4	2.17	5	-81.25	7	-34.95	6	-3.33	4	5.02	5	-1.07	5	-6.89	7	-6.75	6
5	Vivek hybrid 45 (c)	0	7	0	6	0	5	0	2	0	3	0	6	0	4	0	5	0	4
6	Vivek hybrid 51 (C)	3.86	6	5.09	3	-36.8	6	-5.65	3	-9.08	6	10.32	4	-1.93	6	2.44	4	-0.31	5
7	DHM 117 (FILLER)	33.09	3	8.46	1	27.16	4	-36.63	7	-8.77	5	-5.34	7	6.88	3	32.8	1	-8.1	7

Table No. 11 (Contd.) **Gain in Yield(%) over Vivek Hybrid 51**

S. No.	Entry	NEPZ																NEPZ	
		BHU_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	33.61	1	1.63	2	132.48	3	7.86	1	-2.12	7	24.96	3	18.63	2	-5.06	6	11.91	2
2	BIO 605 (C)	11.29	5	-0.55	4	190.58	1	-1.09	4	29.69	2	33.66	1	20.12	1	4.01	3	12.08	1
3	DKC 7074 (C)	32.47	2	-8.06	7	173.35	2	-13.2	5	36.51	1	28.72	2	-3.32	7	17.12	2	10.24	3
4	PMH 5 (C)	23.77	4	-2.78	5	-70.34	7	-31.1	6	6.33	4	-4.81	5	0.88	5	-9.11	7	-6.46	6
5	Vivek hybrid 45 (c)	-3.72	7	-4.85	6	58.23	5	5.99	2	9.99	3	-9.36	6	1.97	4	-2.38	5	0.31	4
6	Vivek hybrid 51 (C)	0	6	0	3	0	6	0	3	0	6	0	4	0	6	0	4	0	5
7	DHM 117 (FILLER)	28.15	3	3.2	1	101.2	4	-32.8	7	0.34	5	-14.2	7	8.99	3	29.59	1	-7.81	7

Table No. 11 Contd… **Moisture(%)**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	30	23	28	18	13	20	22	25	22
2	BIO 605 (C)	30	22	30	18	13	20	22	26	23
3	DKC 7074 (C)	29	22	30	18	13	20	22	26	22
4	PMH 5 (C)	26	22	30	18	12	19	22	26	22
5	Vivek hybrid 45 (c)	28	22	29	18	13	20	22	20	21
6	Vivek hybrid 51 (C)	29	22	29	18	12	20	22	25	22
7	DHM 117 (FILLER)	32	22	30	18	13	20	21	28	23
	Location Mean	29	22	29	18	13	20	22	25	22
	CV (%)	2.5	2.4	2.7	0.0	2.5	1.9	2.4	6.8	3.5
	F (Prob)	0.0	0.5	0.1	.	0.1	0.1	0.3	0.0	0.0
	CD (5%)	1.3	1.0	1.4	0.0	0.6	0.7	0.9	3.0	0.5
	CD (1%)	1.8	1.3	2.0	0.0	0.8	0.9	1.3	4.3	0.6

Table No. 11 (Contd.) **Shelling(%)**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	75	81	84	75	85	81	87	80	81
2	BIO 605 (C)	72	79	83	73	85	81	85	81	80
3	DKC 7074 (C)	74	80	85	73	83	76	79	77	78
4	PMH 5 (C)	74	82	82	67	84	78	85	75	78
5	Vivek hybrid 45 (c)	78	80	82	79	85	83	86	82	82
6	Vivek hybrid 51 (C)	72	81	80	79	83	83	84	82	81
7	DHM 117 (FILLER)	68	82	79	55	85	68	82	81	75
	Location Mean	73	81	82	72	84	79	84	80	79
	CV (%)	1.1	0.9	5.4	5.8	1.4	3.7	2.6	3.5	3.4
	F (Prob)	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.1	0.0
	CD (5%)	1.4	1.3	7.8	7.3	2.1	5.1	3.8	4.9	1.5
	CD (1%)	2.0	1.8	11.0	10.3	2.9	7.1	5.4	6.9	2.0

Table No. 11 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	52	45	63	54	50	54	46	49	52
2	BIO 605 (C)	52	46	61	53	49	54	46	50	51
3	DKC 7074 (C)	51	45	61	51	50	55	46	48	51
4	PMH 5 (C)	47	42	59	50	46	53	44	46	49
5	Vivek hybrid 45 (c)	49	44	60	53	47	53	45	48	50
6	Vivek hybrid 51 (C)	48	43	59	48	46	52	39	47	48
7	DHM 117 (FILLER)	55	44	63	56	54	57	51	51	54
	Location Mean	51	44	61	52	49	54	45	48	51
	CV (%)	3.1	3.7	3.8	4.9	3.5	1.6	3.5	3.0	3.5
	F (Prob)	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.8	2.9	4.2	4.5	3.0	1.5	2.8	2.6	1.0
	CD (1%)	3.9	4.0	5.8	6.3	4.3	2.1	3.9	3.6	1.3

Table No. 11 (Contd.) **Days to 50 % silking**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	53	47	65	51	54	57	51	54	54
2	BIO 605 (C)	54	48	64	50	53	57	51	54	54
3	DKC 7074 (C)	52	47	62	50	52	57	51	53	53
4	PMH 5 (C)	49	46	61	48	47	56	48	50	51
5	Vivek hybrid 45 (c)	52	47	62	49	50	56	49	52	52
6	Vivek hybrid 51 (C)	50	45	61	47	49	55	45	52	51
7	DHM 117 (FILLER)	58	46	65	53	57	61	56	56	57
	Location Mean	53	47	63	50	52	57	50	53	53
	CV (%)	2.6	4.1	3.8	2.8	2.6	2.0	2.8	3.0	2.9
	F (Prob)	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.4	3.4	4.2	2.5	2.4	2.0	2.5	2.8	0.9
	CD (1%)	3.4	4.7	5.9	3.5	3.3	2.8	3.5	4.0	1.2

Table No. 11 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	82	84	108	78	87	92	88	84	88
2	BIO 605 (C)	78	85	107	79	88	91	87	86	88
3	DKC 7074 (C)	80	84	105	78	89	93	88	84	88
4	PMH 5 (C)	77	83	104	75	86	88	84	83	85
5	Vivek hybrid 45 (c)	77	84	105	78	87	91	85	84	87
6	Vivek hybrid 51 (C)	77	83	104	76	87	87	82	86	85
7	DHM 117 (FILLER)	86	85	109	80	88	92	92	91	90
	Location Mean	80	84	106	78	87	91	87	85	87
	CV (%)	1.0	1.6	2.4	1.6	0.9	1.0	1.6	2.4	1.7
	F (Prob)	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.4	2.3	4.5	2.2	1.5	1.6	2.4	3.6	0.8
	CD (1%)	2.0	3.2	6.3	3.1	2.0	2.3	3.4	5.1	1.1

Table No. 11 (Contd.) **Ear Number**

S. No.	Entry	NEPZ							NEPZ
		BHU_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	101	85	111	61	91	65	96	87
2	BIO 605 (C)	118	102	119	89	97	67	105	100
3	DKC 7074 (C)	112	86	127	93	104	71	114	101
4	PMH 5 (C)	108	67	108	79	97	70	114	92
5	Vivek hybrid 45 (c)	101	90	104	83	87	68	106	91
6	Vivek hybrid 51 (C)	107	94	109	77	93	65	102	92
7	DHM 117 (FILLER)	111	86	119	78	83	63	100	92
	Location Mean	108	87	114	80	93	67	105	94
	CV (%)	4.8	11.9	11.1	13.1	10.2	7.2	8.7	9.9
	F (Prob)	0.0	0.0	0.3	0.1	0.2	0.4	0.2	0.0
	CD (5%)	9.2	18.5	22.5	18.6	16.9	8.6	16.2	5.7
	CD (1%)	12.9	25.9	31.5	26.1	23.7	12.1	22.7	7.5

Table No. 11 (Contd.) **Initial Plant Stand**

S. No.	Entry	NEPZ							NEPZ
		BHU_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	103	100	74	73	109	72	100	90
2	BIO 605 (C)	120	107	74	93	115	77	106	99
3	DKC 7074 (C)	112	102	74	97	109	76	115	98
4	PMH 5 (C)	109	90	74	85	111	77	112	94
5	Vivek hybrid 45 (c)	105	100	72	91	103	76	107	94
6	Vivek hybrid 51 (C)	108	104	74	86	113	74	101	94
7	DHM 117 (FILLER)	111	97	73	83	112	75	106	94
	Location Mean	110	100	74	87	110	75	107	95
	CV (%)	5.0	3.9	1.6	9.9	6.5	4.3	7.9	6.4
	F (Prob)	0.0	0.0	0.5	0.1	0.6	0.5	0.3	0.0
	CD (5%)	9.8	7.0	2.1	15.2	12.8	5.7	14.9	3.7
	CD (1%)	13.8	9.8	3.0	21.3	17.9	8.0	21.0	4.9

Table No. 11 (Contd.) **Final Plant Stand**

S. No.	Entry	NEPZ							NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian WB	Medinapur_WB	Nadia_WB	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	71	77	59	80	43	66	61	65
2	BIO 605 (C)	84	76	71	80	62	70	66	73
3	DKC 7074 (C)	78	70	60	80	65	71	70	71
4	PMH 5 (C)	76	72	47	80	55	70	69	67
5	Vivek hybrid 45 (c)	73	71	63	79	58	65	66	68
6	Vivek hybrid 51 (C)	75	74	65	81	53	73	62	69
7	DHM 117 (FILLER)	77	75	60	80	54	66	63	68
	Location Mean	76	74	61	80	56	69	65	69
	CV (%)	5.0	5.2	11.9	1.5	13.1	8.2	8.1	7.7
	F (Prob)	0.0	0.3	0.0	0.4	0.1	0.5	0.3	0.0
	CD (5%)	6.8	6.8	12.9	2.2	12.9	10.1	9.4	3.2
	CD (1%)	9.6	9.6	18.0	3.0	18.1	14.1	13.1	4.3

Table No. 11 (Contd.) **Plant Height**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD		Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	169	184	153	278	197	269	186	156	188
2	BIO 605 (C)	166	182	175	253	222	278	199	164	198
3	DKC 7074 (C)	163	184	154	243	178	231	186	150	178
4	PMH 5 (C)	164	188	136	221	209	252	173	135	180
5	Vivek hybrid 45 (c)	141	180	124	262	161	214	147	117	155
6	Vivek hybrid 51 (C)	153	187	154	254	178	236	159	151	174
7	DHM 117 (FILLER)	198	179	186	247	223	285	210	168	207
	Location Mean	165	184	155	251	195	252	180	148	183
	CV (%)	4.0	8.8	4.7	20.3	5.7	5.0	7.8	9.5	6.7
	F (Prob)	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
	CD (5%)	11.8	28.8	12.9	90.7	19.7	22.4	24.9	25.1	7.5
	CD (1%)	16.6	40.4	18.0	127.2	27.6	31.4	34.9	35.2	9.9

Table No. 11 (Contd.) **Ear height**

S. No.	Entry	NEPZ								NEPZ
		BHU_UP	Bhubnesh_OD	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	99	84	65	117	99	115	90	68	92
2	BIO 605 (C)	98	88	75	124	110	114	91	78	97
3	DKC 7074 (C)	95	86	66	107	91	91	90	72	87
4	PMH 5 (C)	91	87	58	111	90	95	70	62	83
5	Vivek hybrid 45 (c)	79	90	51	119	79	92	73	44	78
6	Vivek hybrid 51 (C)	93	92	63	93	89	104	72	76	85
7	DHM 117 (FILLER)	111	88	73	120	106	122	101	77	100
	Location Mean	95	88	64	113	95	105	84	68	89
	CV (%)	6.5	14.7	5.8	16.9	9.4	7.0	6.9	9.8	11.2
	F (Prob)	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
	CD (5%)	10.9	22.9	6.7	34.0	15.8	13.1	10.4	11.9	5.7
	CD (1%)	15.3	32.1	9.4	47.6	22.2	18.4	14.5	16.7	7.6

Table No. 12 Trial No. 509 (Late Maturity) AVT-I-II **Yield (Kg/ha)**

S. No.	Entry	NEPZ																			
		BHU_UP		Bahar_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medi_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	AH 8183	7842.3	1	6561.3	7	6277	13	4565.05	10	10887	8	7672	6	7713.16	6	5451.3	7	4791.2	10	7392	6
2	BIO 218	7330.5	2	6348	8	7207.1	2	5387.45	5	8735.3	13	8513.7	2	7191.94	9	5458.2	6	5184	7	7215.8	9
3	CP 858	6466.6	8	6892	4	6803.9	8	4670.06	9	14181	1	8167.3	5	8271.9	4	7440.3	1	4112	12	7842.1	2
4	DKC 9185 (IR8449)	5744.2	12	6113.1	9	7351.9	1	7353.33	1	11941	3	8450.7	3	9480.93	1	5056.3	10	5064.5	9	7735.2	4
5	DKC 9189 (IR8545)	6228.7	9	6001.6	11	6942.9	6	3767.95	13	10043	10	7321.5	9	8643.4	3	4451.9	11	5490.7	6	7238.9	8
6	JH 16041	7130.4	4	7673.3	2	7149.3	4	5222.51	7	11039	7	7562.8	8	7384.36	8	5366.9	8	6548.8	2	7783.9	3
7	JH 16081	6565.2	7	6574.2	6	6455.1	10	5326.38	6	8848.9	12	8180.3	4	8166.04	5	6681	2	6370.6	3	7308.6	7
8	JH 16118	6168.2	10	7771.6	1	6396.3	12	4015.31	12	11906	4	6934.7	10	3960.22	13	4353.4	13	5975.2	4	7016	10
9	JH 16209	5255.8	13	5920.6	12	6954.7	5	5691.22	3	10354	9	6183.9	13	5733.71	11	4413.6	12	4708.5	11	6444.5	13
10	RASI 3499	6891	5	6010.3	10	6853.1	7	4945.45	8	11672	6	8865.6	1	8968.65	2	6257.2	4	7387.7	1	8092.7	1
11	BIO 9682 (C)	7239.8	3	6666.4	5	7187	3	5423.78	4	9241.7	11	6320.7	12	7036.24	10	6319.7	3	4060.1	13	6821.7	12
12	CMH 08-282 (C)	6074.6	11	5570.9	13	6788	9	6476.99	2	12653	2	6929.5	11	5661.57	12	5069.1	9	5113.1	8	6970.1	11
13	CMH 08-287 (C)	6855	6	6909.9	3	6416.4	11	4290.92	11	11777	5	7601.4	7	7461.44	7	5895.8	5	5648.2	5	7524.1	5
	Location Mean	6599.4	.	6539.5	.	6829.4	.	5164.34	.	11021	.	7592.6	.	7359.5	.	5555	.	5419.6	.	7337.4	.
	CV (%)	18.38	.	19.53	.	5.68	.	26.15	.	12.19	.	12.43	.	13.76	.	34.62	.	13.57	.	14.12	.
	F (Prob)	0.45	.	0.65	.	0.03	.	0.16	.	0	.	0.04	.	0	.	0.73	.	0	.	0	.
	CD (5%)	2043.7	.	2152.1	.	653.35	.	2276.05	.	2264.4	.	1590.9	.	1707.1	.	3241.1	.	1239.3	.	631.3	.
	CD (1%)	2769.5	.	2916.5	.	885.4	.	3084.44	.	3068.6	.	2156	.	2313.42	.	4392.2	.	1679.5	.	833.16	.

Table No. 12 (Contd.) **Gain in Yield(%) over BIO 9682 (C)**

S. No.	Entry	NEPZ																			
		BHU_UP		Bahar_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 8183	8.32	1	-1.58	7	-12.66	13	-15.83	10	17.8	8	21.38	6	9.62	6	-13.7	7	18.01	10	8.36	6
2	BIO 218	1.25	2	-4.78	8	0.28	2	-0.67	5	-5.48	13	34.7	2	2.21	9	-13.6	6	27.68	7	5.78	9
3	CP 858	-10.68	8	3.38	4	-5.33	8	-13.9	9	53.45	1	29.22	5	17.56	4	17.73	1	1.28	12	14.96	2
4	DKC 9185 (IR8449)	-20.66	12	-8.3	9	2.29	1	35.58	1	29.21	3	33.7	3	34.74	1	-20	10	24.74	9	13.39	4
5	DKC 9189 (IR8545)	-13.97	9	-9.97	11	-3.4	6	-30.53	13	8.67	10	15.83	9	22.84	3	-29.6	11	35.23	6	6.12	8
6	JH 16041	-1.51	4	15.1	2	-0.52	4	-3.71	7	19.44	7	19.65	8	4.95	8	-15.1	8	61.3	2	14.11	3
7	JH 16081	-9.32	7	-1.38	6	-10.18	10	-1.8	6	-4.25	12	29.42	4	16.06	5	5.72	2	56.91	3	7.14	7
8	JH 16118	-14.8	10	16.58	1	-11	12	-25.97	12	28.83	4	9.71	10	-43.7	13	-31.1	13	47.17	4	2.85	10
9	JH 16209	-27.4	13	-11.2	12	-3.23	5	4.93	3	12.04	9	-2.16	13	-18.5	11	-30.2	12	15.97	11	-5.53	13
10	RASI 3499	-4.82	5	-9.84	10	-4.65	7	-8.82	8	26.3	6	40.26	1	27.46	2	-0.99	4	81.96	1	18.63	1
11	BIO 9682 (C)	0	3	0	5	0	3	0	4	0	11	0	12	0	10	0	3	0	13	0	12
12	CMH 08-282 (C)	-16.09	11	-16.4	13	-5.55	9	19.42	2	36.91	2	9.63	11	-19.5	12	-19.8	9	25.93	8	2.18	11
13	CMH 08-287 (C)	-5.31	6	3.65	3	-10.72	11	-20.89	11	27.43	5	20.26	7	6.04	7	-6.71	5	39.11	5	10.3	5

Table No. 12 (Contd.) **Gain in Yield(%) over CMH 08-282 (C)**

S. No.	Entry	NEPZ																			
		BHU_UP		Bahar_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medi_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 8183	29.1	1	17.78	7	-7.53	13	-29.52	10	-13.96	8	10.71	6	36.24	6	7.54	7	-6.29	10	6.05	6
2	BIO 218	20.67	2	13.95	8	6.17	2	-16.82	5	-30.96	13	22.86	2	27.03	9	7.68	6	1.39	7	3.52	9
3	CP 858	6.45	8	23.71	4	0.23	8	-27.9	9	12.08	1	17.86	5	46.11	4	46.78	1	-19.58	12	12.51	2
4	DKC 9185 (IR8449)	-5.44	12	9.73	9	8.31	1	13.53	1	-5.63	3	21.95	3	67.46	1	-0.25	10	-0.95	9	10.98	4
5	DKC 9189 (IR8545)	2.54	9	7.73	11	2.28	6	-41.83	13	-20.63	10	5.66	9	52.67	3	-12.18	11	7.39	6	3.86	8
6	JH 16041	17.38	4	37.74	2	5.32	4	-19.37	7	-12.76	7	9.14	8	30.43	8	5.88	8	28.08	2	11.68	3
7	JH 16081	8.08	7	18.01	6	-4.9	10	-17.76	6	-30.07	12	18.05	4	44.24	5	31.8	2	24.6	3	4.86	7
8	JH 16118	1.54	10	39.5	1	-5.77	12	-38.01	12	-5.9	4	0.08	10	-30.05	13	-14.12	13	16.86	4	0.66	10
9	JH 16209	-13.48	13	6.28	12	2.46	5	-12.13	3	-18.17	9	-10.76	13	1.27	11	-12.93	12	-7.91	11	-7.54	13
10	RASI 3499	13.44	5	7.89	10	0.96	7	-23.65	8	-7.75	6	27.94	1	58.41	2	23.44	4	44.49	1	16.11	1
11	BIO 9682 (C)	19.18	3	19.67	5	5.88	3	-16.26	4	-26.96	11	-8.79	12	24.28	10	24.67	3	-20.59	13	-2.13	12
12	CMH 08-282 (C)	0	11	0	13	0	9	0	2	0	2	0	11	0	12	0	9	0	8	0	11
13	CMH 08-287 (C)	12.85	6	24.04	3	-5.48	11	-33.75	11	-6.93	5	9.7	7	31.79	7	16.31	5	10.47	5	7.95	5

Table No. 12 (Contd.) **Gain in Yield(%) over CMH 08-287 (C)**

S. No.	Entry	NEPZ																			
		BHU_UP		Bahar_UP		Bhubnesh_OD		Koraput_OR		Majhian_WB		Medinapur_WB		Nadia_WB		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	AH 8183	14.4	1	-5.05	7	-2.17	13	6.39	10	-7.55	8	0.93	6	3.37	6	-7.54	7	-15.17	10	-1.76	6
2	BIO 218	6.94	2	-8.13	8	12.32	2	25.55	5	-25.82	13	12	2	-3.61	9	-7.42	6	-8.22	7	-4.1	9
3	CP 858	-5.67	8	-0.26	4	6.04	8	8.84	9	20.42	1	7.44	5	10.86	4	26.2	1	-27.2	12	4.23	2
4	DKC 9185 (IR8449)	-16.2	12	-11.53	9	14.58	1	71.37	1	1.39	3	11.17	3	27.07	1	-14.24	10	-10.33	9	2.8	4
5	DKC 9189 (IR8545)	-9.14	9	-13.14	11	8.21	6	-12.19	13	-14.72	10	-3.68	9	15.84	3	-24.49	11	-2.79	6	-3.79	8
6	JH 16041	4.02	4	11.05	2	11.42	4	21.71	7	-6.27	7	-0.51	8	-1.03	8	-8.97	8	15.95	2	3.45	3
7	JH 16081	-4.23	7	-4.86	6	0.6	10	24.13	6	-24.86	12	7.62	4	9.44	5	13.32	2	12.79	3	-2.86	7
8	JH 16118	-10.02	10	12.47	1	-0.31	12	-6.42	12	1.1	4	-8.77	10	-46.92	13	-26.16	13	5.79	4	-6.75	10
9	JH 16209	-23.33	13	-14.32	12	8.39	5	32.63	3	-12.08	9	-18.65	13	-23.16	11	-25.14	12	-16.64	11	-14.35	13
10	RASI 3499	0.53	5	-13.02	10	6.81	7	15.25	8	-0.89	6	16.63	1	20.2	2	6.13	4	30.8	1	7.56	1
11	BIO 9682 (C)	5.61	3	-3.52	5	12.01	3	26.4	4	-21.53	11	-16.85	12	-5.7	10	7.19	3	-28.12	13	-9.34	12
12	CMH 08-282 (C)	-11.38	11	-19.38	13	5.79	9	50.95	2	7.44	2	-8.84	11	-24.12	12	-14.02	9	-9.47	8	-7.36	11
13	CMH 08-287 (C)	0	6	0	3	0	11	0	11	0	5	0	7	0	7	0	5	0	5	0	5

Table No. 12 (Contd.) **Moisture(%)**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	26	27	21	29	18	13	19	28	27	23
2	BIO 218	27	26	22	28	18	13	19	29	28	23
3	CP 858	27	27	21	28	18	12	19	27	27	23
4	DKC 9185 (IR8449)	26	26	21	28	18	13	19	28	28	23
5	DKC 9189 (IR8545)	30	27	20	30	18	13	19	29	28	24
6	JH 16041	24	28	21	30	18	13	19	28	28	23
7	JH 16081	26	26	21	28	18	12	19	28	28	23
8	JH 16118	24	26	20	28	18	12	18	29	27	23
9	JH 16209	25	26	20	29	18	12	19	29	28	23
10	RASI 3499	28	27	20	29	18	13	19	28	27	23
11	BIO 9682 (C)	26	27	21	27	18	13	19	28	26	23
12	CMH 08-282 (C)	26	26	20	28	18	13	19	27	28	23
13	CMH 08-287 (C)	27	28	21	28	18	13	19	28	27	23
	Location Mean	26	27	21	28	18	13	19	28	27	23
	CV (%)	2.7	3.2	3.3	3.3	0.0	3.8	2.0	2.4	3.2	3.0
	F (Prob)	0.0	0.1	0.1	0.0	.	0.7	0.1	0.2	0.3	0.0
	CD (5%)	1.2	1.5	1.1	1.6	0.0	0.8	0.6	1.1	1.5	0.4
	CD (1%)	1.6	2.0	1.5	2.1	0.0	1.1	0.9	1.6	2.0	0.5

Table No. 12 (Contd.) **Shelling %**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	81	79	80	80	70	88	80	85	80	80
2	BIO 218	84	76	80	83	69	83	77	84	75	79
3	CP 858	80	79	81	85	74	85	77	87	80	81
4	DKC 9185 (IR8449)	77	77	81	82	73	85	80	84	78	80
5	DKC 9189 (IR8545)	76	76	81	81	69	83	76	85	78	78
6	JH 16041	80	81	81	81	74	85	84	85	80	81
7	JH 16081	78	78	81	83	71	85	77	86	84	80
8	JH 16118	73	79	80	81	71	79	73	82	80	78
9	JH 16209	74	73	82	84	68	80	74	84	78	78
10	RASI 3499	78	78	81	82	75	87	77	82	81	80
11	BIO 9682 (C)	75	77	80	82	70	84	74	86	79	79
12	CMH 08-282 (C)	76	74	80	85	72	80	76	83	78	78
13	CMH 08-287 (C)	77	78	81	81	74	82	74	84	76	79
	Location Mean	78	77	81	82	72	84	77	84	79	79
	CV (%)	2.6	1.7	0.8	2.4	3.2	1.0	3.5	1.3	3.6	2.4
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	CD (5%)	3.4	2.2	1.1	3.3	3.8	1.4	4.6	1.8	4.8	1.0
	CD (1%)	4.6	3.0	1.5	4.5	5.2	1.9	6.2	2.5	6.5	1.3

Table No. 12 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	59	59	55	67	57	55	54	49	52	56
2	BIO 218	59	58	55	64	58	52	55	48	50	56
3	CP 858	60	59	56	66	57	53	56	47	51	56
4	DKC 9185 (IR8449)	62	59	53	65	55	53	54	51	52	56
5	DKC 9189 (IR8545)	63	59	54	64	59	53	55	49	51	56
6	JH 16041	59	59	55	67	56	53	55	49	53	56
7	JH 16081	62	55	57	64	55	55	55	50	53	56
8	JH 16118	59	60	55	65	56	52	54	49	53	56
9	JH 16209	59	56	51	65	57	52	52	49	52	55
10	RASI 3499	60	59	54	65	58	54	56	50	53	57
11	BIO 9682 (C)	60	58	54	64	55	55	55	50	49	56
12	CMH 08-282 (C)	60	55	51	63	54	51	50	48	50	53
13	CMH 08-287 (C)	61	59	54	66	57	53	55	50	53	56
	Location Mean	60	58	54	65	56	53	54	49	52	56
	CV (%)	3.6	2.9	1.8	1.5	4.0	2.5	2.8	3.1	1.8	2.8
	F (Prob)	0.5	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0
	CD (5%)	3.6	2.9	1.6	1.6	3.8	2.2	2.5	2.5	1.6	0.8
	CD (1%)	4.9	3.9	2.2	2.2	5.2	3.0	3.4	3.4	2.1	1.1

Table No. 12 (Contd.) **Days to 50 % silking**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	62	61	57	70	51	58	58	54	56	58
2	BIO 218	62	60	58	66	53	55	58	52	55	58
3	CP 858	62	61	59	68	53	56	58	51	55	58
4	DKC 9185 (IR8449)	65	61	56	67	51	57	57	55	57	58
5	DKC 9189 (IR8545)	65	61	58	66	55	58	58	54	56	59
6	JH 16041	60	61	57	70	51	55	57	53	58	58
7	JH 16081	63	58	60	66	50	57	57	54	57	58
8	JH 16118	61	62	57	67	49	55	56	53	57	58
9	JH 16209	61	59	53	68	53	55	55	54	57	57
10	RASI 3499	62	61	57	67	54	57	58	54	57	59
11	BIO 9682 (C)	65	60	56	67	50	57	58	54	54	58
12	CMH 08-282 (C)	62	57	53	66	51	53	54	52	55	56
13	CMH 08-287 (C)	63	61	57	68	53	55	58	55	58	59
	Location Mean	63	60	57	67	52	56	57	54	56	58
	CV (%)	4.6	2.9	1.7	1.4	3.9	2.2	2.4	2.7	1.8	2.8
	F (Prob)	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
	CD (5%)	4.9	2.9	1.7	1.6	3.4	2.0	2.3	2.5	1.7	0.9
	CD (1%)	6.6	4.0	2.3	2.2	4.6	2.8	3.2	3.3	2.3	1.2

Table No. 12 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	94	94	96	120	81	90	95	89	90	94
2	BIO 218	94	92	98	117	81	92	98	88	88	94
3	CP 858	94	95	96	119	83	91	100	87	88	95
4	DKC 9185 (IR8449)	94	96	95	117	81	89	102	91	89	95
5	DKC 9189 (IR8545)	94	93	97	117	84	89	102	90	91	95
6	JH 16041	89	91	96	120	78	90	94	89	86	93
7	JH 16081	92	91	96	116	79	89	94	90	86	93
8	JH 16118	90	92	97	117	78	91	90	89	87	92
9	JH 16209	88	92	94	119	82	91	90	90	86	92
10	RASI 3499	92	95	97	118	82	89	97	90	89	94
11	BIO 9682 (C)	91	93	97	117	81	90	98	90	84	94
12	CMH 08-282 (C)	91	90	94	115	80	89	91	88	85	92
13	CMH 08-287 (C)	90	91	96	118	82	90	95	90	90	94
	Location Mean	92	93	96	118	81	90	96	89	88	94
	CV (%)	2.6	2.8	1.1	1.3	3.3	2.1	2.0	1.5	1.6	2.1
	F (Prob)	0.0	0.3	0.0	0.0	0.2	0.7	0.0	0.2	0.0	0.0
	CD (5%)	4.1	4.3	1.8	2.5	4.6	3.2	3.3	2.3	2.3	1.0
	CD (1%)	5.5	5.9	2.5	3.4	6.2	4.3	4.4	3.1	3.1	1.4

Table No. 12 (Contd.) **Ear Number**

S. No.	Entry	NEPZ								
		BHU_UP	Baharaich_UP	Bahar_UP	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	115	106	92	93	90	78	54	105	92
2	BIO 218	103	106	93	103	91	80	53	109	92
3	CP 858	91	104	90	100	87	71	52	89	86
4	DKC 9185 (IR8449)	108	105	101	113	88	93	50	108	96
5	DKC 9189 (IR8545)	100	103	83	117	92	89	48	110	93
6	JH 16041	114	102	95	102	93	93	59	111	96
7	JH 16081	101	106	92	115	92	100	65	109	98
8	JH 16118	105	101	91	123	88	62	46	103	90
9	JH 16209	109	104	93	111	88	79	39	105	91
10	RASI 3499	117	104	97	112	90	103	56	110	99
11	BIO 9682 (C)	113	103	108	100	93	95	67	112	99
12	CMH 08-282 (C)	101	103	105	103	92	76	53	105	92
13	CMH 08-287 (C)	101	104	83	112	91	88	60	105	93
	Location Mean	106	104	94	108	90	85	54	106	93
	CV (%)	10.7	2.1	13.5	8.5	4.9	10.4	19.3	4.9	9.4
	F (Prob)	0.3	0.2	0.5	0.0	0.7	0.0	0.1	0.0	0.0
	CD (5%)	19.1	3.7	21.4	15.5	7.5	14.9	17.5	8.8	5.0
	CD (1%)	25.9	5.0	29.0	21.0	10.2	20.1	23.8	11.9	6.6

Table No. 12 (Contd.) **Initial Plant stand**

S. No.	Entry	NEPZ								
		BHU_UP	Baharaich_UP	Bahar_UP	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	118	107	100	74	96	110	79	109	99
2	BIO 218	114	106	103	74	94	111	84	111	100
3	CP 858	102	105	99	74	95	96	76	94	93
4	DKC 9185 (IR8449)	110	107	106	75	95	118	77	111	100
5	DKC 9189 (IR8545)	113	104	99	74	96	102	78	111	97
6	JH 16041	116	104	104	73	96	109	81	115	100
7	JH 16081	110	109	103	73	96	118	86	115	101
8	JH 16118	105	105	102	74	90	96	78	105	94
9	JH 16209	112	104	100	74	96	108	79	109	98
10	RASI 3499	118	104	103	74	95	115	80	113	100
11	BIO 9682 (C)	115	104	110	72	99	109	81	115	101
12	CMH 08-282 (C)	109	105	107	74	96	102	82	109	98
13	CMH 08-287 (C)	105	105	99	74	98	108	80	110	97
	Location Mean	111	105	103	74	96	108	80	110	98
	CV (%)	7.6	2.1	5.8	1.5	5.2	6.3	5.6	5.3	5.6
	F (Prob)	0.4	0.2	0.5	0.3	0.9	0.0	0.3	0.0	0.0
	CD (5%)	14.2	3.7	10.1	1.8	8.4	11.5	7.6	9.9	3.1
	CD (1%)	19.3	5.1	13.7	2.5	11.3	15.6	10.3	13.4	4.1

Table No. 12 (Contd.) **Final Plant Stand**

S. No.	Entry	NEPZ								
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	82	73	78	64	81	63	69	66	72
2	BIO 218	79	73	81	65	78	63	71	67	72
3	CP 858	71	72	72	63	80	60	60	56	67
4	DKC 9185 (IR8449)	76	72	80	70	82	61	73	68	73
5	DKC 9189 (IR8545)	78	71	77	57	81	64	65	68	70
6	JH 16041	81	70	77	66	81	65	69	69	72
7	JH 16081	76	73	78	64	80	64	75	69	72
8	JH 16118	73	70	75	63	82	61	59	64	68
9	JH 16209	78	72	74	64	80	61	67	66	70
10	RASI 3499	82	72	80	67	81	63	73	69	73
11	BIO 9682 (C)	80	71	79	75	79	65	69	70	74
12	CMH 08-282 (C)	76	72	75	73	82	64	64	66	71
13	CMH 08-287 (C)	73	72	77	58	81	63	67	66	70
	Location Mean	77	72	77	65	81	63	68	66	71
	CV (%)	7.6	2.3	3.3	13.5	2.1	4.9	7.3	5.3	6.5
	F (Prob)	0.4	0.6	0.0	0.5	0.2	0.7	0.0	0.0	0.0
	CD (5%)	9.9	2.8	4.3	14.9	2.8	5.2	8.3	5.9	2.6
	CD (1%)	13.4	3.8	5.8	20.2	3.8	7.1	11.2	8.0	3.5

Table No. 12 (Contd.) **Plant Height**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	210	197	196	191	285	226	285	208	175	219
2	BIO 218	222	207	204	178	258	244	277	210	176	220
3	CP 858	201	188	197	179	294	236	253	222	175	216
4	DKC 9185 (IR8449)	220	213	197	201	300	246	284	201	172	226
5	DKC 9189 (IR8545)	206	192	194	183	297	224	267	208	176	216
6	JH 16041	202	202	204	192	279	240	277	192	167	217
7	JH 16081	229	210	212	195	272	245	292	213	178	227
8	JH 16118	221	209	208	187	289	245	266	205	179	223
9	JH 16209	204	204	207	202	294	232	273	190	172	220
10	RASI 3499	193	183	187	185	264	216	250	190	160	203
11	BIO 9682 (C)	194	190	185	179	277	201	252	174	150	200
12	CMH 08-282 (C)	225	208	207	198	273	241	269	186	181	221
13	CMH 08-287 (C)	218	214	213	200	299	252	292	216	183	232
	Location Mean	211	201	201	190	283	234	272	201	173	219
	CV (%)	4.7	3.5	3.6	6.0	7.0	3.4	5.0	7.6	4.8	5.4
	F (Prob)	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
	CD (5%)	16.5	11.8	12.0	19.0	33.2	13.3	22.7	25.6	14.1	6.3
	CD (1%)	22.4	16.0	16.3	25.8	45.0	18.0	30.8	34.7	19.0	8.4

Table No. 12 (Contd.) **Ear Height**

S. No.	Entry	NEPZ									
		BHU_UP	Baharaich_UP	Bahar_UP	Koraput_OR	Majhian_WB	Medinapur_WB	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 8183	119	76	94	81	98	111	125	84	80	97
2	BIO 218	120	90	100	79	91	116	123	90	82	99
3	CP 858	100	64	98	66	101	106	111	88	75	90
4	DKC 9185 (IR8449)	131	92	99	80	116	119	123	93	86	104
5	DKC 9189 (IR8545)	116	73	94	68	109	108	118	67	91	94
6	JH 16041	113	73	103	77	99	118	117	76	80	95
7	JH 16081	134	88	109	79	97	128	135	87	93	106
8	JH 16118	121	90	108	77	103	116	126	89	89	102
9	JH 16209	122	85	111	87	107	119	126	82	88	103
10	RASI 3499	100	61	84	67	92	93	96	73	71	82
11	BIO 9682 (C)	114	79	88	78	106	107	117	73	79	94
12	CMH 08-282 (C)	131	78	107	86	106	122	121	80	85	102
13	CMH 08-287 (C)	124	78	109	82	111	129	130	101	89	106
	Location Mean	119	79	100	77	103	115	121	83	84	98
	CV (%)	8.0	11.8	6.9	7.9	9.8	5.6	6.6	12.5	5.1	8.3
	F (Prob)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
	CD (5%)	16.0	15.7	11.7	10.3	17.0	10.9	13.4	17.5	7.2	4.4
	CD (1%)	21.6	21.3	15.8	13.9	23.1	14.8	18.2	23.7	9.7	5.8

Table no. 13: Trial no. 499 (Medium Maturity) AVT-I-II **Yield kg/ha**

S. No.	Entry	PZ																			
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADV 140187	9000	8	9899.53	7	9927.75	3	7437.98	8	7642.62	4	7606.6	7	8077.51	6	9336.75	7	9797.09	6	7927.49	5
2	ADV 140235	9105.88	7	9041.52	8	8877.09	6	9675.11	3	6767.49	7	6316.64	10	7281.21	10	9416.82	6	8794.17	9	7528.39	8
3	BLH118	9443.46	6	10724.84	4	8513.92	8	7759.55	6	7429.34	5	9236.53	3	8498.28	5	6744.02	10	9802.6	5	6987.44	9
4	DKC9179(IQ8627)	10321.57	3	11584.81	1	11758.04	1	8776.63	5	9701.03	1	9533.91	2	8802.25	4	9812.35	3	12275.32	2	8690.91	4
5	INDAM 1122	10362.75	2	10098.13	6	8663.16	7	9694.18	2	9118.3	2	8399.56	4	7848.29	7	10166.95	2	12925.49	1	9159.78	2
6	JKMH15303	9830.39	5	11022.38	2	9566.52	4	9369.11	4	6456.06	8	10242.15	1	7722.78	8	9526.12	5	11589.08	3	6538.58	10
7	NMH-4053	10002.94	4	10538.07	5	11252.47	2	11309.61	1	7029.69	6	7596.57	8	8837.16	2	10217.07	1	11262.6	4	9528.19	1
8	Bio 9544 (C)	10721.9	1	10846.9	3	9131.01	5	6350.23	10	5618.08	10	7620.8	6	9241.54	1	9323.34	8	9730.78	7	8703.47	3
9	CMH 08-292 (C)	8433.33	10	8776.79	10	7532.06	10	7701.85	7	7657.14	3	7725.3	5	8808.99	3	8786.93	9	8367.12	10	7678.49	7
10	DHM 121 (C)	8757.41	9	9028.65	9	8393.91	9	7400.8	9	5751.57	9	7589.58	9	7663.1	9	9620.53	4	8947.27	8	7725.09	6
	Location Mean	9597.96	.	10156.16	.	9361.59	.	8547.5	.	7317.13	.	8186.77	.	8278.11	.	9295.09	.	10349.15	.	8046.78	.
	CV (%)	11	.	4.81	.	6.36	.	28.62	.	13.85	.	12.92	.	8.01	.	13.78	.	11.63	.	13.65	.
	F (Prob)	0.2	.	0	.	0	.	0.41	.	0	.	0.01	.	0.03	.	0.14	.	0	.	0.07	.
	CD (5%)	1811	.	838.51	.	1021.64	.	4195.64	.	1738.49	.	1814.95	.	1137.89	.	2197.7	.	2064	.	1883.78	.
	CD (1%)	2481.23	.	1148.83	.	1399.73	.	5748.39	.	2381.88	.	2486.63	.	1559.01	.	3011.03	.	2827.85	.	2580.93	.

Table no. 13: Trial no. **Yield kg/ha**

S. No.	Entry			PZ																All India	
		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shimoga_KR		VRDC_Dharw		Vagarai_TN		Z_PZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADV 140187	9734.24	3	7057.91	4	8667.39	7	10460.03	2	10270.24	5	6409.9	3	6841.34	6	8519.98	3	8692.28	4	8692.28	4
2	ADV 140235	10029.88	2	8336.2	2	8812.33	6	9022.99	6	9771.59	7	5313.6	10	6490.42	7	7542.42	4	8005.51	8	8005.51	8
3	BLH118	9037.69	7	6119.72	10	8461.93	9	7636.87	9	9539.63	9	6084	6	7722.48	2	6496.13	7	8221.43	7	8221.43	7
4	DKC9179(IQ8627)	8328.13	9	6672.17	9	10201.97	2	12499.15	1	11802.6	2	6404.2	4	7546.91	3	10294.01	1	10081.94	1	10081.94	1
5	INDAM 1122	7413.49	10	7554.03	3	9981.46	3	9159.12	5	12738.21	1	7058.8	1	7271.11	5	5606.22	10	9237.16	3	9237.16	3
6	JKMH15303	9346.58	5	6964.46	6	9701.99	4	10226.35	3	9757.39	8	6799.5	2	4899.4	10	5973.69	8	8656.83	5	8656.83	5
7	NMH-4053	10582.55	1	6767.43	8	9078.14	5	9189.86	4	11420.32	3	6171.2	5	7792.03	1	9641.59	2	9303.86	2	9303.86	2
8	Bio 9544 (C)	9349.9	4	8417.46	1	10655.26	1	8863.03	7	10233.14	6	5544.9	7	5978.7	9	7277.01	6	8632.66	6	8632.66	6
9	CMH 08-292 (C)	9287.66	6	6989.85	5	7403.95	10	8431.69	8	9315.95	10	5361.6	9	7375.4	4	5889.7	9	7836.3	10	7836.3	10
10	DHM 121 (C)	8758.67	8	6784.22	7	8566.63	8	7147.56	10	11262.45	4	5471.6	8	6238.84	8	7344.58	5	7967.25	9	7967.25	9
	Location Mean	9186.88	.	7166.35	.	9153.11	.	9263.67	.	10611.15	.	6061.9	.	6815.66	.	7458.53	.	8663.52	.	8663.52	.
	CV (%)	21.18	.	22.45	.	12.93	.	14.33	.	9.19	.	11.31	.	11.42	.	18.94	.	11.84	.	11.84	.
	F (Prob)	0.76	.	0.77	.	0.09	.	0.01	.	0.01	.	0.05	.	0	.	0.01	.	0	.	0	.
	CD (5%)	3338.4	.	2759.4	.	2030.89	.	2277.85	.	1672.78	.	1176.2	.	1335.74	.	2423.49	.	425.69	.	425.69	.
	CD (1%)	4573.88	.	3780.61	.	2782.49	.	3120.84	.	2291.85	.	1611.6	.	1830.08	.	3320.39	.	560.91	.	560.91	.

Table no. 13 (Contd.) **Gain in Yield(%) over Bio 9544 (C)**

S. No.	Entry	PZ																			
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	-16.06	8	-8.73	7	8.73	3	17.13	8	36.04	4	-0.19	7	-12.6	6	0.14	7	0.68	6	-8.92	5
2	ADV 140235	-15.07	7	-16.64	8	-2.78	6	52.36	3	20.46	7	-17.11	10	-21.21	10	1	6	-9.63	9	-13.5	8
3	BLH118	-11.92	6	-1.13	4	-6.76	8	22.19	6	32.24	5	21.2	3	-8.04	5	-27.67	10	0.74	5	-19.72	9
4	DKC9179(IQ8627)	-3.73	3	6.8	1	28.77	1	38.21	5	72.68	1	25.1	2	-4.75	4	5.25	3	26.15	2	-0.14	4
5	INDAM 1122	-3.35	2	-6.9	6	-5.12	7	52.66	2	62.3	2	10.22	4	-15.08	7	9.05	2	32.83	1	5.24	2
6	JKMH15303	-8.31	5	1.62	2	4.77	4	47.54	4	14.92	8	34.4	1	-16.43	8	2.17	5	19.1	3	-24.87	10
7	NMH-4053	-6.71	4	-2.85	5	23.23	2	78.1	1	25.13	6	-0.32	8	-4.38	2	9.59	1	15.74	4	9.48	1
8	Bio 9544 (C)	0	1	0	3	0	5	0	10	0	10	0	6	0	1	0	8	0	7	0	3
9	CMH 08-292 (C)	-21.34	10	-19.08	10	-17.51	10	21.28	7	36.29	3	1.37	5	-4.68	3	-5.75	9	-14.01	10	-11.78	7
10	DHM 121 (C)	-18.32	9	-16.76	9	-8.07	9	16.54	9	2.38	9	-0.41	9	-17.08	9	3.19	4	-8.05	8	-11.24	6

Table no. 13 (Contd.) **Gain in Yield(%) over Bio 9544 (C)**

S. No.	Entry			PZ																All India	
		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shimoga_KR		VRDC_Dharw		Vagarai_TN		Z_PZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	4.11	3	-16.15	4	-18.66	7	18.02	2	0.36	5	15.6	3	14.43	6	17.08	3	0.69	4	0.69	4
2	ADV 140235	7.27	2	-0.97	2	-17.3	6	1.8	6	-4.51	7	-4.17	10	8.56	7	3.65	4	-7.26	8	-7.26	8
3	BLH118	-3.34	7	-27.3	10	-20.58	9	-13.83	9	-6.78	9	9.72	6	29.17	2	-10.73	7	-4.76	7	-4.76	7
4	DKC9179(IQ8627)	-10.93	9	-20.73	9	-4.25	2	41.03	1	15.34	2	15.5	4	26.23	3	41.46	1	16.79	1	16.79	1
5	INDAM 1122	-20.71	10	-10.26	3	-6.32	3	3.34	5	24.48	1	27.3	1	21.62	5	-22.96	10	7	3	7	3
6	JKMH15303	-0.04	5	-17.26	6	-8.95	4	15.38	3	-4.65	8	22.63	2	-18.05	10	-17.91	8	0.28	5	0.28	5
7	NMH-4053	13.18	1	-19.6	8	-14.8	5	3.69	4	11.6	3	11.3	5	30.33	1	32.49	2	7.78	2	7.78	2
8	Bio 9544 (C)	0	4	0	1	0	1	0	7	0	6	0	7	0	9	0	6	0	6	0	6
9	CMH 08-292 (C)	-0.67	6	-16.96	5	-30.51	10	-4.87	8	-8.96	10	-3.31	9	23.36	4	-19.06	9	-9.22	10	-9.22	10
10	DHM 121 (C)	-6.32	8	-19.4	7	-19.6	8	-19.36	10	10.06	4	-1.32	8	4.35	8	0.93	5	-7.71	9	-7.71	9

Table no. 13 (Contd.) **Gain in Yield(%) over CMH 08-292 (C)**

S. No.	Entry	PZ																			
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	6.72	8	12.79	7	31.81	3	-3.43	8	-0.19	4	-1.54	7	-8.3	6	6.26	7	17.09	6	3.24	5
2	ADV 140235	7.97	7	3.02	8	17.86	6	25.62	3	-11.62	7	-18.23	10	-17.34	10	7.17	6	5.1	9	-1.95	8
3	BLH118	11.98	6	22.2	4	13.04	8	0.75	6	-2.97	5	19.56	3	-3.53	5	-23.25	10	17.16	5	-9	9
4	DKC9179(IQ8627)	22.39	3	31.99	1	56.11	1	13.95	5	26.69	1	23.41	2	-0.08	4	11.67	3	46.71	2	13.19	4
5	INDAM 1122	22.88	2	15.06	6	15.02	7	25.87	2	19.08	2	8.73	4	-10.91	7	15.71	2	54.48	1	19.29	2
6	JKMH15303	16.57	5	25.59	2	27.01	4	21.65	4	-15.69	8	32.58	1	-12.33	8	8.41	5	38.51	3	-14.85	10
7	NMH-4053	18.61	4	20.07	5	49.39	2	46.84	1	-8.19	6	-1.67	8	0.32	2	16.28	1	34.61	4	24.09	1
8	Bio 9544 (C)	27.14	1	23.59	3	21.23	5	-17.55	10	-26.63	10	-1.35	6	4.91	1	6.1	8	16.3	7	13.35	3
9	CMH 08-292 (C)	0	10	0	10	0	10	0	7	0	3	0	5	0	3	0	9	0	10	0	7
10	DHM 121 (C)	3.84	9	2.87	9	11.44	9	-3.91	9	-24.89	9	-1.76	9	-13.01	9	9.49	4	6.93	8	0.61	6

Table no. 13 (Contd.) **Gain in Yield(%) over CMH 08-292 (C)**

S. No.	Entry	PZ																			
		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shimoga_KR		VRDC_Dharw		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	4.81	3	0.97	4	17.06	7	24.06	2	10.24	5	19.55	3	-7.24	6	44.66	3	10.92	4	10.92	4
2	ADV 140235	7.99	2	19.26	2	19.02	6	7.01	6	4.89	7	-0.89	10	-12	7	28.06	4	2.16	8	2.16	8
3	BLH118	-2.69	7	-12.45	10	14.29	9	-9.43	9	2.4	9	13.47	6	4.71	2	10.3	7	4.91	7	4.91	7
4	DKC9179(IQ8627)	-10.33	9	-4.54	9	37.79	2	48.24	1	26.69	2	19.45	4	2.33	3	74.78	1	28.66	1	28.66	1
5	INDAM 1122	-20.18	10	8.07	3	34.81	3	8.63	5	36.74	1	31.66	1	-1.41	5	-4.81	10	17.88	3	17.88	3
6	JKMH15303	0.63	5	-0.36	6	31.04	4	21.28	3	4.74	8	26.82	2	-33.57	10	1.43	8	10.47	5	10.47	5
7	NMH-4053	13.94	1	-3.18	8	22.61	5	8.99	4	22.59	3	15.1	5	5.65	1	63.7	2	18.73	2	18.73	2
8	Bio 9544 (C)	0.67	4	20.42	1	43.91	1	5.12	7	9.85	6	3.42	7	-18.94	9	23.55	6	10.16	6	10.16	6
9	CMH 08-292 (C)	0	6	0	5	0	10	0	8	0	10	0	9	0	4	0	9	0	10	0	10
10	DHM 121 (C)	-5.7	8	-2.94	7	15.7	8	-15.23	10	20.89	4	2.05	8	-15.41	8	24.7	5	1.67	9	1.67	9

Table no. 13 (Contd.) **Gain in Yield(%) over DHM 121 (C)**

S. No.	Entry	PZ																			
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	2.77	8	9.65	7	18.27	3	0.5	8	32.88	4	0.22	7	5.41	6	-2.95	7	9.5	6	2.62	5
2	ADV 140235	3.98	7	0.14	8	5.76	6	30.73	3	17.66	7	-16.77	10	-4.98	10	-2.12	6	-1.71	9	-2.55	8
3	BLH118	7.83	6	18.79	4	1.43	8	4.85	6	29.17	5	21.7	3	10.9	5	-29.9	10	9.56	5	-9.55	9
4	DKC9179(IQ8627)	17.86	3	28.31	1	40.08	1	18.59	5	68.67	1	25.62	2	14.87	4	1.99	3	37.2	2	12.5	4
5	INDAM 1122	18.33	2	11.85	6	3.21	7	30.99	2	58.54	2	10.67	4	2.42	7	5.68	2	44.46	1	18.57	2
6	JKMH15303	12.25	5	22.08	2	13.97	4	26.6	4	12.25	8	34.95	1	0.78	8	-0.98	5	29.53	3	-15.36	10
7	NMH-4053	14.22	4	16.72	5	34.06	2	52.82	1	22.22	6	0.09	8	15.32	2	6.2	1	25.88	4	23.34	1
8	Bio 9544 (C)	22.43	1	20.14	3	8.78	5	-14.2	10	-2.32	10	0.41	6	20.6	1	-3.09	8	8.76	7	12.66	3
9	CMH 08-292 (C)	-3.7	10	-2.79	10	-10.27	10	4.07	7	33.13	3	1.79	5	14.95	3	-8.66	9	-6.48	10	-0.6	7
10	DHM 121 (C)	0	9	0	9	0	9	0	9	0	9	0	9	0	9	0	4	0	8	0	6

Table no. 13 (Contd.) **Gain in Yield(%) over DHM 121 (C)**

S. No.	Entry	PZ																		All India	
		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shimoga_KR		VRDC_Dharw		Vagarai_TN		Z_PZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 140187	11.14	3	4.03	4	1.18	7	46.34	2	-8.81	5	17.15	3	9.66	6	16	3	9.1	4	9.1	4
2	ADV 140235	14.51	2	22.88	2	2.87	6	26.24	6	-13.24	7	-2.89	10	4.03	7	2.69	4	0.48	8	0.48	8
3	BLH118	3.19	7	-9.79	10	-1.22	9	6.85	9	-15.3	9	11.19	6	23.78	2	-11.55	7	3.19	7	3.19	7
4	DKC9179(IQ8627)	-4.92	9	-1.65	9	19.09	2	74.87	1	4.8	2	17.04	4	20.97	3	40.16	1	26.54	1	26.54	1
5	INDAM 1122	-15.36	10	11.35	3	16.52	3	28.14	5	13.1	1	29.01	1	16.55	5	-23.67	10	15.94	3	15.94	3
6	JKMH15303	6.71	5	2.66	6	13.25	4	43.07	3	-13.36	8	24.27	2	-21.47	10	-18.67	8	8.66	5	8.66	5
7	NMH-4053	20.82	1	-0.25	8	5.97	5	28.57	4	1.4	3	12.79	5	24.9	1	31.27	2	16.78	2	16.78	2
8	Bio 9544 (C)	6.75	4	24.07	1	24.38	1	24	7	-9.14	6	1.34	7	-4.17	9	-0.92	6	8.35	6	8.35	6
9	CMH 08-292 (C)	6.04	6	3.03	5	-13.57	10	17.97	8	-17.28	10	-2.01	9	18.22	4	-19.81	9	-1.64	10	-1.64	10
10	DHM 121 (C)	0	8	0	7	0	8	0	10	0	4	0	8	0	8	0	5	0	9	0	9

Table no. 13 (Contd.) **Moisture(%)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	24	12	16	23	14	22	23	16	17	16
2	ADV 140235	23	13	17	20	15	20	22	16	17	15
3	BLH118	22	12	17	25	15	20	21	17	17	18
4	DKC9179(IQ8627)	25	12	20	23	15	24	22	17	18	17
5	INDAM 1122	25	12	17	24	14	22	22	13	17	13
6	JKMH15303	19	12	17	21	14	21	22	17	17	13
7	NMH-4053	23	12	20	17	14	22	21	13	18	15
8	Bio 9544 (C)	24	12	17	24	15	23	22	13	18	13
9	CMH 08-292 (C)	22	12	16	22	15	22	21	16	17	14
10	DHM 121 (C)	21.25	12.37	17.1	20.55	13.6	20.36	21.47	17.9	16.7	12.93
	Location Mean	22.61	12.05	17.41	21.87	14.49	21.47	21.75	15.58	17.17	14.56
	CV (%)	22.6	12.1	17.4	21.9	14.5	21.5	21.8	15.6	17.2	14.6
	F (Prob)	1.8	4.0	2.8	7.2	6.7	7.3	4.1	12.5	4.1	16.8
	CD (5%)	0.0	0.1	0.0	0.0	0.8	0.1	0.3	0.0	0.4	0.2
	CD (1%)	0.7	0.8	0.8	2.7	1.7	2.7	1.5	3.3	1.2	4.2

Table no. 13 (Contd.) **Moisture(%)**

S. No.	Entry	PZ									
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	27	13	20	19	21	19	13	19	19	19
2	ADV 140235	25	18	19	18	18	18	13	15	18	18
3	BLH118	24	14	20	18	16	18	13	14	18	18
4	DKC9179(IQ8627)	24	17	20	21	21	18	13	18	19	19
5	INDAM 1122	25	19	20	21	23	18	13	18	19	19
6	JKMH15303	25	14	20	21	18	17	13	16	18	18
7	NMH-4053	25	15	20	20	20	17	13	18	18	18
8	Bio 9544 (C)	25	18	19	19	18	17	13	17	18	18
9	CMH 08-292 (C)	24	20	19	19	20	18	13	16	18	18
10	DHM 121 (C)	24.03	15.7	19.33	18.43	18.77	18.37	13.1	16.65	17.7	17.7
	Location Mean	24.78	16.35	19.58	19.41	19.39	17.78	13.02	16.88	18.12	18.12
	CV (%)	24.8	16.4	19.6	19.4	19.4	17.8	13.0	16.9	18.1	18.1
	F (Prob)	5.4	4.8	5.5	4.5	6.3	5.1	2.6	3.7	6.5	6.5
	CD (5%)	0.3	0.0	0.8	0.0	0.0	0.2	0.3	0.0	0.0	0.0
	CD (1%)	2.3	1.4	1.9	1.5	2.1	1.6	0.6	1.1	0.4	0.4

Table no. 13 (Contd.) **Shelling %**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	80	85	79	86	76	82	82	82	81	83
2	ADV 140235	80	82	80	83	76	77	78	84	81	79
3	BLH118	80	84	79	85	73	81	80	77	82	81
4	DKC9179(IQ8627)	80	83	80	81	72	80	79	81	81	82
5	INDAM 1122	80	85	79	83	70	77	77	79	82	82
6	JKMH15303	80	85	78	84	75	81	79	77	81	80
7	NMH-4053	80	85	82	86	74	82	82	75	81	81
8	Bio 9544 (C)	80	83	81	87	73	80	80	77	81	79
9	CMH 08-292 (C)	80	84	79	84	73	80	79	79	81	82
10	DHM 121 (C)	80	81.9	79.45	81.98	72.27	79.3	76.72	78.85	82.75	74.92
	Location Mean	80	83.86	79.75	84.11	73.61	79.89	79.19	78.91	81.46	80.16
	CV (%)	80.0	83.9	79.8	84.1	73.6	79.9	79.2	78.9	81.5	80.2
	F (Prob)	0.0	1.1	1.0	0.7	2.5	3.0	1.1	0.0	0.8	5.3
	CD (5%)	.	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6
	CD (1%)	0.0	1.6	1.4	0.9	3.2	4.1	1.5	0.0	1.1	7.3

Table no. 13 (Contd.) **Shelling %**

S. No.	Entry	PZ									All India
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	88	85	80	86	88	80	82	83	83	83
2	ADV 140235	91	80	80	80	84	80	78	79	81	81
3	BLH118	90	83	80	82	86	80	83	82	82	82
4	DKC9179(IQ8627)	86	85	83	81	85	80	80	83	81	81
5	INDAM 1122	90	84	81	81	84	80	80	79	81	81
6	JKMH15303	88	85	82	81	85	80	80	75	81	81
7	NMH-4053	91	82	82	83	88	80	79	83	82	82
8	Bio 9544 (C)	89	88	82	85	89	80	83	83	82	82
9	CMH 08-292 (C)	87	81	80	82	87	80	83	83	81	81
10	DHM 121 (C)	88.85	84	77.89	77.78	83.8	80	81.46	81	80.16	80.16
	Location Mean	89.08	83.4	80.71	82.03	85.88	80	81.07	81.14	81.35	81.35
	CV (%)	89.1	83.4	80.7	82.0	85.9	80.0	81.1	81.1	81.4	81.4
	F (Prob)	2.9	3.5	1.8	2.4	1.8	0.0	4.2	1.7	2.4	2.4
	CD (5%)	0.3	0.1	0.0	0.0	0.0	.	0.6	0.0	0.0	0.0
	CD (1%)	4.4	5.0	2.5	3.3	2.7	0.0	5.9	2.3	0.7	0.7

Table no. 13 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	62	56	57	64	54	55	60	58	57	61
2	ADV 140235	57	54	54	63	50	54	58	60	54	59
3	BLH118	60	58	55	63	49	55	57	59	55	59
4	DKC9179(IQ8627)	60	56	56	63	53	55	58	60	57	61
5	INDAM 1122	62	58	57	63	52	56	58	58	57	60
6	JKMH15303	62	58	55	64	53	55	57	57	57	61
7	NMH-4053	61	57	55	63	52	57	59	61	56	60
8	Bio 9544 (C)	61	57	56	63	53	57	57	60	56	59
9	CMH 08-292 (C)	59	54	55	61	52	56	58	59	56	60
10	DHM 121 (C)	61	55	55	63.33	52.67	55.67	58.33	59.67	56.33	59.67
	Location Mean	60.28	56.17	55.53	63.07	52.07	55.6	58.03	59.23	56.13	59.77
	CV (%)	60.3	56.2	55.5	63.1	52.1	55.6	58.0	59.2	56.1	59.8
	F (Prob)	2.2	2.1	1.9	2.1	2.4	2.5	1.3	3.0	1.5	1.0
	CD (5%)	0.0	0.0	0.2	0.5	0.0	0.3	0.0	0.3	0.0	0.0
	CD (1%)	2.2	2.0	1.8	2.3	2.1	2.4	1.3	3.0	1.5	1.0

Table no. 13 (Contd.) **Days to 50 % pollen**

S. No.	Entry	Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	53	57	56	56	58	58	65	51	58	58
2	ADV 140235	51	56	54	55	55	57	65	50	56	56
3	BLH118	52	57	54	55	57	55	63	51	56	56
4	DKC9179(IQ8627)	54	56	55	55	57	58	66	52	57	57
5	INDAM 1122	55	55	56	56	56	58	66	51	57	57
6	JKMH15303	55	58	56	57	57	56	64	49	57	57
7	NMH-4053	52	56	56	57	58	58	64	49	57	57
8	Bio 9544 (C)	51	57	56	55	57	57	65	50	57	57
9	CMH 08-292 (C)	50	56	55	52	55	56	66	50	56	56
10	DHM 121 (C)	53	57.33	54.33	55.33	56.33	58	66.5	50.33	57.1	57.1
	Location Mean	52.47	56.47	55.33	55.27	56.63	57.07	64.8	50.27	56.9	56.9
	CV (%)	52.5	56.5	55.3	55.3	56.6	57.1	64.8	50.3	56.9	56.9
	F (Prob)	3.2	2.0	1.9	2.0	1.0	1.6	1.4	3.8	2.1	2.1
	CD (5%)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0
	CD (1%)	2.9	1.9	1.8	1.9	1.0	1.6	1.5	3.3	0.5	0.5

Table no. 13 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	64	58	59	66	58	57	62	60	59	64
2	ADV 140235	61	56	57	65	54	56	60	62	56	62
3	BLH118	63	60	59	64	53	57	59	61	57	62
4	DKC9179(IQ8627)	61	58	59	64	56	58	60	62	58	64
5	INDAM 1122	65	60	59	64	56	58	61	60	58	63
6	JKMH15303	60	60	59	65	57	57	59	59	57	63
7	NMH-4053	63	59	59	64	56	59	61	63	57	63
8	Bio 9544 (C)	61	59	59	64	57	59	60	62	57	62
9	CMH 08-292 (C)	61	56	59	63	55	58	61	61	56	62
10	DHM 121 (C)	62.33	57	59	64.33	56.67	58	61	61.67	59	62.67
	Location Mean	61.97	58.17	58.77	64.3	55.97	57.73	60.4	61.27	57.33	62.8
	CV (%)	62.0	58.2	58.8	64.3	56.0	57.7	60.4	61.3	57.3	62.8
	F (Prob)	0.8	2.0	1.8	1.8	2.4	2.4	1.4	2.9	1.2	1.5
	CD (5%)	0.0	0.0	0.6	0.2	0.0	0.2	0.0	0.4	0.0	0.1
	CD (1%)	0.9	2.0	1.8	2.0	2.3	2.4	1.5	3.0	1.2	1.6

Table no. 13 (Contd.) **days to 50 % silking**

S. No.	Entry	PZ									All India
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	56	59	57	59	60	60	67	54	60	60
2	ADV 140235	54	58	56	57	57	59	67	53	58	58
3	BLH118	55	59	55	58	59	57	65	54	59	59
4	DKC9179(IQ8627)	56	58	57	57	59	59	68	56	59	59
5	INDAM 1122	59	57	57	58	59	59	68	54	60	60
6	JKMH15303	58	60	57	59	58	57	66	52	59	59
7	NMH-4053	54	58	57	60	60	59	66	52	59	59
8	Bio 9544 (C)	54	59	57	58	59	58	66	53	59	59
9	CMH 08-292 (C)	52	58	57	54	57	57	67	54	58	58
10	DHM 121 (C)	55.33	59.33	55.33	57	59	60	67.5	53.67	59.38	59.38
	Location Mean	55.33	58.43	56.47	57.73	58.73	58.53	66.45	53.5	59.1	59.1
	CV (%)	55.3	58.4	56.5	57.7	58.7	58.5	66.5	53.5	59.1	59.1
	F (Prob)	4.8	2.0	1.6	3.2	1.5	1.6	1.1	3.3	2.2	2.2
	CD (5%)	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.0
	CD (1%)	4.6	2.0	1.5	3.1	1.5	1.6	1.3	3.0	0.5	0.5

Table no. 13 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	PZ Arbhavi_KR Mean	Buldana_MH Mean	Coimb_TN Mean	Dharwar_KR Mean	Dhule_MH Mean	Hyderabad_AP Mean	Karimnagar_AP Mean	Kolhapur_MH Mean	Mandya_KR Mean	NIPHAD_Nasik Mean
1	ADV 140187	81	100	98	101	114	92	106	100	102	93
2	ADV 140235	75	90	96	102	112	92	102	102	100	91
3	BLH118	77	101	97	100	114	93	101	101	104	91
4	DKC9179(IQ8627)	80	93	97	102	112	96	103	102	100	93
5	INDAM 1122	81	104	98	102	112	94	103	100	106	91
6	JKMH15303	77	95	97	97	117	92	100	99	98	93
7	NMH-4053	78	99	98	104	111	94	102	103	101	92
8	Bio 9544 (C)	78	98	98	101	114	94	101	102	102	91
9	CMH 08-292 (C)	77	90	97	96	109	94	101	101	98	92
10	DHM 121 (C)	79	95	97.33	101	115.67	93.33	102.67	101.67	99	91.67
	Location Mean	78.18	96.4	97.37	100.7	113.07	93.43	102.13	101.27	100.93	91.77
	CV (%)	78.2	96.4	97.4	100.7	113.1	93.4	102.1	101.3	100.9	91.8
	F (Prob)	2.1	2.9	1.0	4.9	2.5	2.0	1.4	1.7	3.2	0.6
	CD (5%)	0.0	0.0	0.3	0.7	0.2	0.4	0.0	0.4	0.1	0.0
	CD (1%)	2.8	4.8	1.7	8.5	4.9	3.2	2.4	3.0	5.5	1.0

Table no. 13 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	VRDC_Dharwad	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	82	91	101	99	101	110	94	98	98
2	ADV 140235	85	91	100	96	92	109	92	96	96
3	BLH118	83	92	101	98	101	107	93	97	97
4	DKC9179(IQ8627)	78	90	101	97	100	110	95	97	97
5	INDAM 1122	84	90	100	100	99	109	93	98	98
6	JKMH15303	84	92	100	99	95	109	92	96	96
7	NMH-4053	84	91	101	101	102	108	93	98	98
8	Bio 9544 (C)	83	92	101	99	101	110	93	97	97
9	CMH 08-292 (C)	81	91	101	95	93	108	92	95	95
10	DHM 121 (C)	85	93	99.33	99	95.33	110	92.67	97.1	97.1
	Location Mean	82.93	91.3	100.47	98.33	97.87	108.8	92.93	96.93	96.93
	CV (%)	82.9	91.3	100.5	98.3	97.9	108.8	92.9	96.9	96.9
	F (Prob)	3.2	1.5	1.3	2.5	2.4	0.8	1.6	2.4	2.4
	CD (5%)	0.1	0.2	0.7	0.1	0.0	0.0	0.5	0.0	0.0
	CD (1%)	4.6	2.3	2.3	4.2	4.1	1.5	2.5	0.9	0.9

Table no. 13 (Contd.) **Ears (Number)**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	90	93	116	107	102	100	106	78	106	114
2	ADV 140235	100	90	111	95	90	92	106	70	107	102
3	BLH118	102	90	117	108	108	98	101	77	119	111
4	DKC9179(IQ8627)	108	94	115	113	108	107	107	77	111	108
5	INDAM 1122	93	91	114	110	96	84	101	73	119	98
6	JKMH15303	105	91	118	113	110	88	106	73	124	110
7	NMH-4053	90	96	109	100	101	101	110	71	112	103
8	Bio 9544 (C)	108	93	113	87	101	113	111	76	116	110
9	CMH 08-292 (C)	90	88	115	109	106	97	108	77	112	115
10	DHM 121 (C)	92	88.33	101.67	102.67	89.67	93	99.67	66.67	104	113
	Location Mean	97.87	91.43	112.97	104.37	101.23	97.2	105.67	73.77	113.07	108.23
	CV (%)	97.9	91.4	113.0	104.4	101.2	97.2	105.7	73.8	113.1	108.2
	F (Prob)	7.4	3.4	7.3	12.3	8.2	7.0	5.4	5.3	8.2	6.4
	CD (5%)	0.0	0.1	0.5	0.3	0.1	0.0	0.2	0.0	0.2	0.1
	CD (1%)	12.5	5.4	14.2	22.0	14.2	11.6	9.7	6.8	15.9	11.8

Table no. 13 (Contd.) **Ears (Number)**

S. No.	Entry	PZ								All India
		Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	111	106	64	37	73	76	95	93	93
2	ADV 140235	109	108	57	37	63	72	94	88	88
3	BLH118	110	105	67	38	68	78	90	93	93
4	DKC9179(IQ8627)	109	116	66	40	67	77	96	95	95
5	INDAM 1122	106	111	59	41	63	71	94	90	90
6	JKMH15303	112	110	65	37	64	73	92	94	94
7	NMH-4053	109	103	67	37	66	78	88	91	91
8	Bio 9544 (C)	113	115	67	37	65	74	91	93	93
9	CMH 08-292 (C)	109	98	58	38	68	75	87	91	91
10	DHM 121 (C)	109.33	106.33	48	37.67	63.67	69.33	94.33	87.02	87.02
	Location Mean	109.67	107.83	61.8	38	65.83	74.3	92.17	91.49	91.49
	CV (%)	109.7	107.8	61.8	38.0	65.8	74.3	92.2	91.5	91.5
	F (Prob)	4.5	5.6	10.5	6.3	7.1	5.4	5.4	7.3	7.3
	CD (5%)	0.8	0.0	0.0	0.4	0.3	0.2	0.4	0.0	0.0
	CD (1%)	8.5	10.3	11.1	4.1	8.1	6.8	8.5	2.6	2.6

Table no. 13 (Contd.) **Initial Plant stand (Number/plot)**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	100	95	117	112	104	107	106	76	101	119
2	ADV 140235	100	94	109	110	93	104	105	72	102	119
3	BLH118	100	92	117	108	108	110	101	78	109	120
4	DKC9179(IQ8627)	100	94	119	109	110	114	108	75	106	119
5	INDAM 1122	99	95	114	111	101	99	101	75	109	118
6	JKMH15303	101	93	117	113	110	104	102	74	116	120
7	NMH-4053	97	95	108	108	102	113	109	72	109	118
8	Bio 9544 (C)	100	95	122	115	103	121	112	73	118	120
9	CMH 08-292 (C)	99	91	118	103	107	108	107	74	103	120
10	DHM 121 (C)	97	91.67	105	110.33	89.33	107.33	97	71	96.67	117
	Location Mean	99.23	93.57	114.6	109.97	102.8	108.63	104.7	73.97	106.93	118.97
	CV (%)	99.2	93.6	114.6	110.0	102.8	108.6	104.7	74.0	106.9	119.0
	F (Prob)	1.4	3.0	8.1	3.7	7.7	4.0	6.5	5.2	6.3	1.3
	CD (5%)	0.0	0.6	0.5	0.1	0.1	0.0	0.3	0.5	0.0	0.3
	CD (1%)	2.4	4.8	15.9	7.0	13.6	7.4	11.6	6.5	11.6	2.6

Table no. 13 (Contd.) **Initial Plant stand (Number/plot)**

S. No.	Entry	PZ							All India
		Peddapuram_AP	Rahuri_MH	Raichur_KR	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	115	103	117	73	82	96	101	101
2	ADV 140235	114	105	128	63	80	99	100	100
3	BLH118	112	109	124	68	82	95	102	102
4	DKC9179(IQ8627)	115	120	119	67	81	97	103	103
5	INDAM 1122	118	113	121	63	81	95	101	101
6	JKMH15303	117	114	124	64	79	97	103	103
7	NMH-4053	114	107	122	66	83	91	101	101
8	Bio 9544 (C)	117	116	118	65	79	93	104	104
9	CMH 08-292 (C)	114	102	110	68	82	90	100	100
10	DHM 121 (C)	111.67	105	97	63.67	80.67	97.33	96.1	96.1
	Location Mean	114.93	109.43	118	65.83	81	95.13	101.11	101.11
	CV (%)	114.9	109.4	118.0	65.8	81.0	95.1	101.1	101.1
	F (Prob)	3.1	5.3	5.2	7.1	2.7	5.2	5.2	5.2
	CD (5%)	0.6	0.0	0.0	0.3	0.4	0.5	0.0	0.0
	CD (1%)	6.2	9.9	10.6	8.1	3.8	8.4	2.1	2.1

Table no. 13 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	64	62	64	80	61	71	70	57	78	54
2	ADV 140235	72	62	64	75	60	63	67	57	71	55
3	BLH118	80	62	62	80	59	75	70	55	80	58
4	DKC9179(IQ8627)	66	65	65	79	59	75	75	59	77	56
5	INDAM 1122	69	62	64	78	60	68	61	55	76	59
6	JKMH15303	70	61	62	80	59	76	63	55	75	62
7	NMH-4053	62	62	65	75	59	71	70	59	73	59
8	Bio 9544 (C)	77	61	65	78	61	70	81	61	76	63
9	CMH 08-292 (C)	66	62	62	80	56	74	69	58	77	55
10	DHM 121 (C)	64.58	61.57	62.5	70.37	60	62.04	65.97	52.59	71.18	52.22
	Location Mean	69.25	62.01	63.56	77.55	59.56	70.49	69.19	56.87	75.42	57.39
	CV (%)	69.3	62.0	63.6	77.6	59.6	70.5	69.2	56.9	75.4	57.4
	F (Prob)	11.5	2.2	3.4	7.5	3.7	7.9	4.9	6.6	5.7	6.7
	CD (5%)	0.2	0.1	0.5	0.5	0.4	0.1	0.0	0.3	0.3	0.1
	CD (1%)	13.6	2.3	3.7	10.0	3.8	9.6	5.8	6.4	7.4	6.6

Table no. 13 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	PZ									All India
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	66	66	57	135	75	45	79	66	70	70
2	ADV 140235	66	65	59	148	82	39	75	66	69	69
3	BLH118	66	65	60	144	81	43	81	62	71	71
4	DKC9179(IQ8627)	66	65	66	138	85	42	80	67	71	71
5	INDAM 1122	65	63	62	140	85	39	74	66	69	69
6	JKMH15303	66	67	63	144	83	40	76	66	70	70
7	NMH-4053	65	65	59	141	81	41	81	63	69	69
8	Bio 9544 (C)	67	67	64	137	78	40	77	64	71	71
9	CMH 08-292 (C)	66	65	56	128	79	42	78	63	69	69
10	DHM 121 (C)	64.44	65.08	58.15	112.27	80.56	39.79	72.22	65.97	65.64	65.64
	Location Mean	65.7	65.28	60.41	136.57	80.9	41.15	77.4	64.75	69.64	69.64
	CV (%)	65.7	65.3	60.4	136.6	80.9	41.2	77.4	64.8	69.6	69.6
	F (Prob)	1.7	4.5	4.8	5.2	7.5	7.1	5.4	5.2	6.3	6.3
	CD (5%)	0.6	0.8	0.0	0.0	0.7	0.3	0.2	0.6	0.0	0.0
	CD (1%)	1.9	5.0	5.0	12.3	10.5	5.0	7.1	5.7	1.7	1.7

Table no. 13 (Contd.) **Plant height (cm)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	191	252	175	182	237	198	161	175	216	192
2	ADV 140235	190	250	168	201	229	188	162	168	220	214
3	BLH118	186	264	179	201	248	209	163	160	229	240
4	DKC9179(IQ8627)	211	256	170	197	253	196	165	198	226	221
5	INDAM 1122	218	267	170	212	242	210	161	187	233	239
6	JKMH15303	212	270	178	219	229	206	171	173	219	229
7	NMH-4053	183	270	173	200	233	194	158	195	221	227
8	Bio 9544 (C)	171	245	162	169	144	165	150	168	197	173
9	CMH 08-292 (C)	207	263	175	209	236	204	182	180	230	236
10	DHM 121 (C)	196	257	163.97	185	234.33	198.33	164.33	178.33	210.33	197.8
	Location Mean	196.5	259.5	171.32	197.54	228.57	196.85	163.77	178.33	220.13	216.84
	CV (%)	196.5	259.5	171.3	197.5	228.6	196.9	163.8	178.3	220.1	216.8
	F (Prob)	1.1	3.9	4.8	6.6	15.9	4.0	4.1	7.0	3.0	8.2
	CD (5%)	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
	CD (1%)	3.8	17.2	14.1	22.5	62.2	13.4	11.4	21.4	11.2	30.4

Table no. 13 (Contd.) **Plant height (cm)**

S. No.	Entry	PZ									
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	202	198	203	268	201	257	157	156	201	201
2	ADV 140235	201	220	224	262	197	247	147	151	202	202
3	BLH118	184	197	224	273	206	265	163	146	208	208
4	DKC9179(IQ8627)	196	193	219	285	204	278	147	149	209	209
5	INDAM 1122	197	205	224	289	214	280	162	137	214	214
6	JKMH15303	215	190	219	285	204	264	156	138	210	210
7	NMH-4053	209	210	216	275	205	243	141	162	206	206
8	Bio 9544 (C)	169	207	199	242	179	248	130	129	180	180
9	CMH 08-292 (C)	203	210	208	277	206	267	163	151	211	211
10	DHM 121 (C)	197.78	198.33	214.67	262.33	206	255	141.33	146.2	200.39	200.39
	Location Mean	197.36	202.83	215	271.93	202.33	260.33	150.76	146.46	204.24	204.24
	CV (%)	197.4	202.8	215.0	271.9	202.3	260.3	150.8	146.5	204.2	204.2
	F (Prob)	4.6	11.0	5.7	5.1	4.1	6.2	8.0	10.9	7.2	7.2
	CD (5%)	0.0	0.9	0.2	0.0	0.0	0.1	0.0	0.4	0.0	0.0
	CD (1%)	15.7	38.2	21.1	23.8	14.3	27.8	20.7	27.4	5.6	5.6

Table no. 13 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	87	108	82	77	112	76	66	95	108	88
2	ADV 140235	94	107	81	89	106	65	69	77	106	89
3	BLH118	84	109	88	82	116	70	68	75	108	94
4	DKC9179(IQ8627)	99	102	84	88	116	69	69	90	106	87
5	INDAM 1122	90	101	73	82	116	63	64	95	109	95
6	JKMH15303	95	116	85	87	111	75	81	85	114	98
7	NMH-4053	80	111	80	82	104	56	65	93	105	85
8	Bio 9544 (C)	82	99	78	72	101	62	65	88	98	79
9	CMH 08-292 (C)	112	123	88	88	126	75	86	98	116	110
10	DHM 121 (C)	86.5	109.33	77.83	75.6	102.33	66.33	72	91.67	100.67	86.73
	Location Mean	90.95	108.6	81.84	82.38	111.1	67.78	70.61	88.83	107.17	91.29
	CV (%)	91.0	108.6	81.8	82.4	111.1	67.8	70.6	88.8	107.2	91.3
	F (Prob)	3.6	5.9	7.9	11.1	5.2	7.3	6.5	11.4	6.2	6.4
	CD (5%)	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.1	0.1	0.0
	CD (1%)	5.6	10.9	11.1	15.6	9.8	8.5	7.9	17.3	11.4	10.0

Table no. 13 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ									All India
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 140187	103	75	114	151	114	111	60	85	96	96
2	ADV 140235	104	72	124	135	108	103	62	85	94	94
3	BLH118	101	77	124	148	108	108	62	76	95	95
4	DKC9179(IQ8627)	103	83	116	155	112	113	60	76	97	97
5	INDAM 1122	90	83	111	148	111	107	63	71	93	93
6	JKMH15303	110	67	116	163	116	108	59	73	100	100
7	NMH-4053	96	80	115	140	102	99	59	72	91	91
8	Bio 9544 (C)	101	78	112	131	103	107	61	68	89	89
9	CMH 08-292 (C)	118	77	117	155	118	116	67	72	105	105
10	DHM 121 (C)	103.89	60	110.33	151.67	109.67	108	56.44	71.93	93	93
	Location Mean	102.86	75.17	115.83	147.63	110.27	107.93	60.91	74.93	95.35	95.35
	CV (%)	102.9	75.2	115.8	147.6	110.3	107.9	60.9	74.9	95.4	95.4
	F (Prob)	6.2	21.6	10.7	8.1	5.7	6.0	11.7	14.4	8.1	8.1
	CD (5%)	0.0	0.8	0.9	0.1	0.1	0.2	0.8	0.6	0.0	0.0
	CD (1%)	11.0	27.9	21.3	20.5	10.7	11.1	12.3	18.5	3.0	3.0

Table No. 14 **Trial No. 506 (Early maturity) AVT-I-II** **Yield (kg/ha)**

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	JH 31947	21091.24	1	9457.08	2	7104.12	3	9477.29	3	6621.38	6	8574.46	1	6438.32	3	5331.06	1	9170.62	3
2	DHM 117 (FILLER)	18152.16	4	7007.12	7	6935.43	5	9691.75	2	6876.67	4	7903.24	2	7186.95	1	4228.68	6	9012.11	4
3	BIO 605 (C)	18664.58	3	7760.57	5	7422.21	2	11659.62	1	6304.32	7	7844.42	3	6333.69	4	4593.09	3	10837.73	1
4	DKC 7074 (C)	19757.65	2	9228.59	3	6954.79	4	8752.98	5	7993.65	1	6684.28	6	6717.81	2	4429.11	5	10317.81	2
5	PMH 5 (C)	8583.01	7	7487.68	6	5799.36	7	5515.49	7	7980.4	2	7302.05	4	6010.95	6	3893.79	7	5960.97	7
6	Vivek hybrid 45 (c)	14511.9	6	8548.5	4	6904.55	6	7063.24	6	6841.05	5	7001.3	5	6264.38	5	4533.06	4	8853.87	5
7	Vivek hybrid 51 (C)	15843.66	5	11084.18	1	7806.44	1	9122.4	4	7320.82	3	4720.53	7	4746.98	7	4656.16	2	8525.97	6
	Location Mean	16657.74	.	8653.39	.	6989.56	.	8754.68	.	7134.04	.	7147.18	.	6242.73	.	4523.57	.	8954.15	.
	CV (%)	11.68	.	12.07	.	13	.	19.69	.	15.41	.	15.95	.	10.56	.	11.12	.	15.18	.
	F (Prob)	0	.	0.01	.	0.29	.	0.02	.	0.43	.	0.03	.	0.02	.	0.1	.	0.02	.
	CD (5%)	3460.25	.	1858.28	.	1616.45	.	3066.96	.	1955.36	.	2027.51	.	1172.9	.	895.03	.	2417.46	.
	CD (1%)	4851.03	.	2605.17	.	2266.14	.	4299.66	.	2741.27	.	2842.42	.	1644.32	.	1254.77	.	3389.1	.

Table No. 14 (Contd.) Yield (kg/ha)

S. No.	Entry	PZ																	
		NIPHAD_Nasik		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dharwad		Vagarai_TN		Z_PZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	JH 31947	7803.67	3	8103.7	4	5600.84	1	9411.57	4	10646.34	1	4732.35	5	5537.95	3	6909.39	4	8769.21	2
2	DHM 117 (FILLER)	7649.03	4	8049.53	5	4119.58	7	9786.84	1	6233.19	7	4491.53	6	5414.59	4	7599.67	2	8053.88	4
3	BIO 605 (C)	8844.13	1	8706.9	2	5111.73	4	9508.21	3	9450.91	3	5794.54	2	7530.75	1	7829.94	1	8774.85	1
4	DKC 7074 (C)	6457.95	7	5203.11	6	5310.85	2	9542.88	2	10378.05	2	6005.66	1	5592.48	2	7274.12	3	8606.81	3
5	PMH 5 (C)	7118.52	6	5081.03	7	4537.08	6	8372.67	7	7553.51	6	3135.05	7	428.29	7	6810.87	5	6537.45	7
6	Vivek hybrid 45 (c)	7935.35	2	8154.17	3	5253.51	3	9397.72	5	8595.27	5	5081.71	4	3343.61	5	6057.9	7	7684.99	6
7	Vivek hybrid 51 (C)	7559.33	5	9995.88	1	4910.28	5	9169.28	6	9059.58	4	5294.44	3	2791.05	6	6742.06	6	7975.13	5
	Location Mean	7624	.	7613.48	.	4977.7	.	9312.74	.	8845.27	.	4933.61	.	4376.96	.	7031.99	.	8057.48	.
	CV (%)	12.43	.	34.51	.	14.76	.	9.93	.	5.56	.	17.18	.	21.66	.	16.11	.	13.93	.
	F (Prob)	0.18	.	0.28	.	0.29	.	0.64	.	0	.	0.02	.	0	.	0.57	.	0	.
	CD (5%)	1686.34	.	4674.48	.	1306.9	.	1645.26	.	874.78	.	1507.54	.	1686.24	.	2014.97	.	483.46	.
	CD (1%)	2364.13	.	6553.29	.	1832.18	.	2306.53	.	1226.38	.	2113.46	.	2363.99	.	2824.84	.	638.04	.

Table No. 14 (Contd.) **Gain in Yield(%) over BIO 605 (C)**

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	13	1	21.86	2	-4.29	3	-18.72	3	5.03	6	9.31	1	1.65	3	16.07	1	-15.38	3
2	DHM 117 (FILLER)	-2.75	4	-9.71	7	-6.56	5	-16.88	2	9.08	4	0.75	2	13.47	1	-7.93	6	-16.84	4
3	BIO 605 (C)	0	3	0	5	0	2	0	1	0	7	0	3	0	4	0	3	0	1
4	DKC 7074 (C)	5.86	2	18.92	3	-6.3	4	-24.93	5	26.8	1	-14.79	6	6.06	2	-3.57	5	-4.8	2
5	PMH 5 (C)	-54.01	7	-3.52	6	-21.86	7	-52.7	7	26.59	2	-6.91	4	-5.1	6	-15.23	7	-45	7
6	Vivek hybrid 45 (c)	-22.25	6	10.15	4	-6.97	6	-39.42	6	8.51	5	-10.75	5	-1.09	5	-1.31	4	-18.31	5
7	Vivek hybrid 51 (C)	-15.11	5	42.83	1	5.18	1	-21.76	4	16.12	3	-39.82	7	-25.05	7	1.37	2	-21.33	6

Table No. 14 (Contd.) **Gain in Yield(%) over BIO 605 (C)**

		PZ															
NIPHAD_Nasik		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dharwad		Vagarai_TN		Z_PZ	
Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
-11.76	3	-6.93	4	9.57	1	-1.02	4	12.65	1	-18.33	5	-26.46	3	-11.76	4	-0.06	2
-13.51	4	-7.55	5	-19.41	7	2.93	1	-34.05	7	-22.49	6	-28.1	4	-2.94	2	-8.22	4
0	1	0	2	0	4	0	3	0	3	0	2	0	1	0	1	0	1
-26.98	7	-40.24	6	3.9	2	0.36	2	9.81	2	3.64	1	-25.74	2	-7.1	3	-1.92	3
-19.51	6	-41.64	7	-11.24	6	-11.94	7	-20.08	6	-45.9	7	-94.31	7	-13.02	5	-25.5	7
-10.28	2	-6.35	3	2.77	3	-1.16	5	-9.05	5	-12.3	4	-55.6	5	-22.63	7	-12.42	6
-14.53	5	14.8	1	-3.94	5	-3.56	6	-4.14	4	-8.63	3	-62.94	6	-13.89	6	-9.11	5

Table No. 14 (Contd.) **Gain in Yield(%) over DKC 7074 (C)**

S. No.	Entry	Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		PZ Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	6.75	1	2.48	2	2.15	3	8.28	3	-17.17	6	28.28	1	-4.16	3	20.36	1	-11.12	3	20.84	3
2	DHM 117 (FILLER)	-8.13	4	-24.07	7	-0.28	5	10.73	2	-13.97	4	18.24	2	6.98	1	-4.53	6	-12.65	4	18.44	4
3	BIO 605 (C)	-5.53	3	-15.91	5	6.72	2	33.21	1	-21.13	7	17.36	3	-5.72	4	3.7	3	5.04	1	36.95	1
4	DKC 7074 (C)	0	2	0	3	0	4	0	5	0	1	0	6	0	2	0	5	0	2	0	7
5	PMH 5 (C)	-56.56	7	-18.86	6	-16.61	7	-36.99	7	-0.17	2	9.24	4	-10.52	6	-12.09	7	-42.23	7	10.23	6
6	Vivek hybrid 45 (c)	-26.55	6	-7.37	4	-0.72	6	-19.3	6	-14.42	5	4.74	5	-6.75	5	2.35	4	-14.19	5	22.88	2
7	Vivek hybrid 51 (C)	-19.81	5	20.11	1	12.25	1	4.22	4	-8.42	3	-29.38	7	-29.34	7	5.13	2	-17.37	6	17.05	5

Table No. 14 (Contd.) **Gain in Yield(%) over DKC 7074 (C)**

S. No.	Entry	PZ															
		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dharwad		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	55.75	4	5.46	1	-1.38	4	2.59	1	-21.2	5	-0.98	3	-5.01	4	1.89	2
2	DHM 117 (FILLER)	54.71	5	-22.43	7	2.56	1	-39.94	7	-25.21	6	-3.18	4	4.48	2	-6.42	4
3	BIO 605 (C)	67.34	2	-3.75	4	-0.36	3	-8.93	3	-3.52	2	34.66	1	7.64	1	1.95	1
4	DKC 7074 (C)	0	6	0	2	0	2	0	2	0	1	0	2	0	3	0	3
5	PMH 5 (C)	-2.35	7	-14.57	6	-12.26	7	-27.22	6	-47.8	7	-92.34	7	-6.37	5	-24.04	7
6	Vivek hybrid 45 (c)	56.72	3	-1.08	3	-1.52	5	-17.18	5	-15.38	4	-40.21	5	-16.72	7	-10.71	6
7	Vivek hybrid 51 (C)	92.11	1	-7.54	5	-3.92	6	-12.7	4	-11.84	3	-50.09	6	-7.31	6	-7.34	5

Table No. 14 (Contd.) **Gain in Yield(%) over PMH 5 (C)**

S. No.	Entry	PZ																		NIPHAD_Nasik
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain
1	JH 31947	145.73	1	26.3	2	22.5	3	71.83	3	-17.03	6	17.43	1	7.11	3	36.91	1	53.84	3	9.62
2	DHM 117 (FILLER)	111.49	4	-6.42	7	19.59	5	75.72	2	-13.83	4	8.23	2	19.56	1	8.6	6	51.19	4	7.45
3	BIO 605 (C)	117.46	3	3.64	5	27.98	2	111.4	1	-21	7	7.43	3	5.37	4	17.96	3	81.81	1	24.24
4	DKC 7074 (C)	130.19	2	23.25	3	19.92	4	58.7	5	0.17	1	-8.46	6	11.76	2	13.75	5	73.09	2	-9.28
5	PMH 5 (C)	0	7	0	6	0	7	0	7	0	2	0	4	0	6	0	7	0	7	0
6	Vivek hybrid 45 (c)	69.08	6	14.17	4	19.06	6	28.06	6	-14.28	5	-4.12	5	4.22	5	16.42	4	48.53	5	11.47
7	Vivek hybrid 51 (C)	84.59	5	48.03	1	34.61	1	65.4	4	-8.26	3	-35.35	7	-21.03	7	19.58	2	43.03	6	6.19

Table No. 14 (Contd.) **Gain in Yield(%) over PMH 5 (C)**

S. No.	Entry NIPHAD	PZ																
		Nasik		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dharwad		Vagarai_TN		Z_PZ	
		Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	3	59.49	4	23.45	1	12.41	4	40.95	1	50.95	5	1193.04	3	1.45	4	34.14	2
2	DHM 117 (FILLER)	4	58.42	5	-9.2	7	16.89	1	-17.48	7	43.27	6	1164.23	4	11.58	2	23.2	4
3	BIO 605 (C)	1	71.36	2	12.67	4	13.56	3	25.12	3	84.83	2	1658.33	1	14.96	1	34.22	1
4	DKC 7074 (C)	7	2.4	6	17.05	2	13.98	2	37.39	2	91.57	1	1205.77	2	6.8	3	31.65	3
5	PMH 5 (C)	6	0	7	0	6	0	7	0	6	0	7	0	7	0	5	0	7
6	Vivek hybrid 45 (c)	2	60.48	3	15.79	3	12.24	5	13.79	5	62.09	4	680.69	5	-11.06	7	17.55	6
7	Vivek hybrid 51 (C)	5	96.73	1	8.23	5	9.51	6	19.94	4	68.88	3	551.67	6	-1.01	6	21.99	5

Table No. 14 (Contd.) **Gain in Yield(%) over Vivek hybrid 45 (c)**

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	45.34	1	10.63	2	2.89	3	34.18	3	-3.21	6	22.47	1	2.78	3	17.6	1	3.58	3
2	DHM 117 (FILLER)	25.08	4	-18.03	7	0.45	5	37.21	2	0.52	4	12.88	2	14.73	1	-6.71	6	1.79	4
3	BIO 605 (C)	28.62	3	-9.22	5	7.5	2	65.07	1	-7.85	7	12.04	3	1.11	4	1.32	3	22.41	1
4	DKC 7074 (C)	36.15	2	7.96	3	0.73	4	23.92	5	16.85	1	-4.53	6	7.24	2	-2.29	5	16.53	2
5	PMH 5 (C)	-40.86	7	-12.41	6	-16.01	7	-21.91	7	16.65	2	4.3	4	-4.05	6	-14.1	7	-32.67	7
6	Vivek hybrid 45 (c)	0	6	0	4	0	6	0	6	0	5	0	5	0	5	0	4	0	5
7	Vivek hybrid 51 (C)	9.18	5	29.66	1	13.06	1	29.15	4	7.01	3	-32.58	7	-24.22	7	2.72	2	-3.7	6

Table No. 14 (Contd.) **Gain in Yield(%) over Vivek hybrid 45 (c)**

S. No.	Entry			PZ															
		NIPHAD_Nasik		Parbhani_MH		Peddapuram_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dharwad		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	-1.66	3	-0.62	4	6.61	1	0.15	4	23.86	1	-6.87	5	65.63	3	14.06	4	14.11	2
2	DHM 117 (FILLER)	-3.61	4	-1.28	5	-21.58	7	4.14	1	-27.48	7	-11.61	6	61.94	4	25.45	2	4.8	4
3	BIO 605 (C)	11.45	1	6.78	2	-2.7	4	1.18	3	9.95	3	14.03	2	125.23	1	29.25	1	14.18	1
4	DKC 7074 (C)	-18.62	7	-36.19	6	1.09	2	1.54	2	20.74	2	18.18	1	67.26	2	20.08	3	12	3
5	PMH 5 (C)	-10.29	6	-37.69	7	-13.64	6	-10.91	7	-12.12	6	-38.31	7	-87.19	7	12.43	5	-14.93	7
6	Vivek hybrid 45 (c)	0	2	0	3	0	3	0	5	0	5	0	4	0	5	0	7	0	6
7	Vivek hybrid 51 (C)	-4.74	5	22.59	1	-6.53	5	-2.43	6	5.4	4	4.19	3	-16.53	6	11.29	6	3.78	5

Table No. 14 (Contd.) **Gain in Yield(%) over Vivek hybrid 51 (C)**

S. No.	Entry	PZ															
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	33.12	1	-14.68	2	-9	3	3.89	3	-9.55	6	81.64	1	35.63	3	14.49	1
2	DHM 117 (FILLER)	14.57	4	-36.78	7	-11.16	5	6.24	2	-6.07	4	67.42	2	51.4	1	-9.18	6
3	BIO 605 (C)	17.8	3	-29.99	5	-4.92	2	27.81	1	-13.89	7	66.18	3	33.43	4	-1.35	3
4	DKC 7074 (C)	24.7	2	-16.74	3	-10.91	4	-4.05	5	9.19	1	41.6	6	41.52	2	-4.88	5
5	PMH 5 (C)	-45.83	7	-32.45	6	-25.71	7	-39.54	7	9.01	2	54.69	4	26.63	6	-16.37	7
6	Vivek hybrid 45 (c)	-8.41	6	-22.88	4	-11.55	6	-22.57	6	-6.55	5	48.32	5	31.97	5	-2.64	4
7	Vivek hybrid 51 (C)	0	5	0	1	0	1	0	4	0	3	0	7	0	7	0	2

Table No. 14 (Contd.) **Gain in Yield(%) over Vivek hybrid 51 (C)**

S. No.	Entry			PZ																	
		Mandya_KR		NIPHAD_Nasik		Parbhani_MH		Pedda_AP		Rahuri_MH		Sehgal_Hyd		Shimoga_KR		VRDC_Dhar		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	JH 31947	7.56	3	3.23	3	-18.93	4	14.06	1	2.64	4	17.51	1	-10.62	5	98.42	3	2.48	4	9.96	2
2	DHM 117 (FILLER)	5.7	4	1.19	4	-19.47	5	-16.1	7	6.74	1	-31.2	7	-15.17	6	94	4	12.72	2	0.99	4
3	BIO 605 (C)	27.11	1	17	1	-12.9	2	4.1	4	3.7	3	4.32	3	9.45	2	169.82	1	16.14	1	10.03	1
4	DKC 7074 (C)	21.02	2	-14.57	7	-47.95	6	8.16	2	4.07	2	14.55	2	13.43	1	100.37	2	7.89	3	7.92	3
5	PMH 5 (C)	-30.08	7	-5.83	6	-49.17	7	-7.6	6	-8.69	7	-16.62	6	-40.79	7	-84.65	7	1.02	5	-18.03	7
6	Vivek hybrid 45 (c)	3.85	5	4.97	2	-18.42	3	6.99	3	2.49	5	-5.13	5	-4.02	4	19.8	5	-10.15	7	-3.64	6
7	Vivek hybrid 51 (C)	0	6	0	5	0	1	0	5	0	6	0	4	0	3	0	6	0	6	0	5

Table No. 14 (Contd.) **Moisture %**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	21	10	16	20	13	20	22	13	14	15
2	DHM 117 (FILLER)	21	11	17	22	14	23	23	15	16	14
3	BIO 605 (C)	22	11	16	19	14	21	22	14	15	17
4	DKC 7074 (C)	21	11	16	20	14	19	24	15	15	15
5	PMH 5 (C)	14	11	16	15	14	19	20	14	14	12
6	Vivek hybrid 45 (c)	18	10	16	22	14	19	20	14	14	16
7	Vivek hybrid 51 (C)	18	10	16	19	13	18	19	13	14	14
	Location Mean	19	11	16	19	14	20	22	14	15	15
	CV (%)	5.3	5.2	1.3	9.7	4.3	6.4	3.4	2.5	2.5	17.6
	F (Prob)	0.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.4
	CD (5%)	1.8	1.0	0.4	3.4	1.0	2.3	1.3	0.6	0.7	4.6
	CD (1%)	2.6	1.4	0.5	4.7	1.5	3.2	1.8	0.9	0.9	6.4

Table No. 14 (Contd. **Moisture %**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	22	15	20	17	18	13	16	17
2	DHM 117 (FILLER)	23	17	19	19	19	13	16	18
3	BIO 605 (C)	23	17	20	17	18	13	16	17
4	DKC 7074 (C)	21	15	20	17	18	13	14	17
5	PMH 5 (C)	22	17	19	15	18	12	14	16
6	Vivek hybrid 45 (c)	22	17	20	15	19	12	14	17
7	Vivek hybrid 51 (C)	22	19	19	16	18	11	14	16
	Location Mean	22	17	19	17	18	12	15	17
	CV (%)	7.0	9.9	4.5	5.1	4.3	5.5	3.6	6.6
	F (Prob)	0.9	0.1	0.3	0.0	0.2	0.1	0.0	0.0
	CD (5%)	2.7	3.0	1.6	1.5	1.4	1.2	0.9	0.4
	CD (1%)	3.8	4.1	2.2	2.1	2.0	1.7	1.3	0.6

Table No. 14 (Contd.) **Shelling %**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	80	77	80	87	75	81	79	76	80	78
2	DHM 117 (FILLER)	80	73	78	82	72	74	72	75	82	68
3	BIO 605 (C)	80	77	80	84	73	79	77	80	81	76
4	DKC 7074 (C)	80	78	78	85	76	80	75	78	80	75
5	PMH 5 (C)	80	77	79	82	76	78	77	77	80	77
6	Vivek hybrid 45 (c)	80	75	80	84	75	80	80	82	79	76
7	Vivek hybrid 51 (C)	80	82	82	86	75	81	81	79	80	76
	Location Mean	80	77	80	84	75	79	77	78	80	75
	CV (%)	0.0	4.9	1.1	0.8	2.5	3.2	1.6	0.0	1.0	2.3
	F (Prob)	.	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
	CD (5%)	0.0	6.7	1.5	1.1	3.3	4.6	2.2	0.0	1.4	3.0
	CD (1%)	0.0	9.4	2.2	1.6	4.7	6.4	3.0	0.0	2.0	4.3

Table No. 14 (Contd. **Shelling %**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	91	84	84	87	80	76	82	81
2	DHM 117 (FILLER)	91	78	80	79	80	81	80	78
3	BIO 605 (C)	92	82	84	85	80	86	81	81
4	DKC 7074 (C)	81	84	80	85	80	77	82	80
5	PMH 5 (C)	90	80	82	84	80	75	82	80
6	Vivek hybrid 45 (c)	90	84	82	86	80	86	80	81
7	Vivek hybrid 51 (C)	90	78	81	85	80	81	82	81
	Location Mean	89	81	82	85	80	80	81	80
	CV (%)	5.3	1.5	2.4	3.1	0.0	9.8	1.2	3.4
	F (Prob)	0.2	0.0	0.2	0.1	.	0.5	0.1	0.0
	CD (5%)	8.5	2.2	3.6	4.6	0.0	14.0	1.7	1.1
	CD (1%)	11.9	3.0	5.0	6.5	0.0	19.6	2.4	1.4

Table No. 14 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	62	53	56	62	51	54	60	56	54	54
2	DHM 117 (FILLER)	63	56	58	64	52	56	60	57	57	56
3	BIO 605 (C)	55	51	54	63	49	53	58	53	52	50
4	DKC 7074 (C)	55	53	53	63	49	52	59	55	53	51
5	PMH 5 (C)	53	48	51	58	47	51	54	54	50	49
6	Vivek hybrid 45 (c)	53	50	49	57	47	49	58	54	49	48
7	Vivek hybrid 51 (C)	49	47	48	60	46	48	51	53	48	47
	Location Mean	56	51	53	61	49	52	57	55	52	51
	CV (%)	4.0	1.2	2.1	4.0	2.3	2.4	1.6	3.9	1.6	2.3
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
	CD (5%)	4.0	1.1	1.9	4.3	2.0	2.3	1.7	3.8	1.5	2.1
	CD (1%)	5.6	1.6	2.7	6.0	2.8	3.2	2.3	5.3	2.0	2.9

Table No. 14 (Contd. **Days to 50% pollen shed**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	48	52	54	56	57	63	50	55
2	DHM 117 (FILLER)	52	52	57	59	62	69	51	58
3	BIO 605 (C)	53	52	50	53	54	61	48	54
4	DKC 7074 (C)	53	52	52	55	54	62	49	54
5	PMH 5 (C)	52	51	50	51	53	57	46	51
6	Vivek hybrid 45 (c)	50	51	48	51	52	58	45	51
7	Vivek hybrid 51 (C)	52	48	48	48	48	55	44	49
	Location Mean	51	51	51	53	54	61	48	53
	CV (%)	6.1	1.3	3.6	1.4	2.2	0.9	4.6	3.0
	F (Prob)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	5.6	1.2	3.3	1.3	2.1	1.0	3.9	0.6
	CD (1%)	7.8	1.7	4.6	1.9	3.0	1.4	5.4	0.8

Table No. 14 (Contd.) **Days to 50% silking**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	61	55	59	64	57	56	63	58	55	56
2	DHM 117 (FILLER)	65	59	60	67	57	59	62	59	58	58
3	BIO 605 (C)	56	54	56	65	55	55	61	55	53	53
4	DKC 7074 (C)	57	55	57	64	55	53	62	57	54	53
5	PMH 5 (C)	54	51	54	60	55	53	57	56	52	53
6	Vivek hybrid 45 (c)	54	52	53	59	54	51	61	56	50	52
7	Vivek hybrid 51 (C)	50	49	51	62	54	50	54	55	49	52
	Location Mean	57	53	56	63	55	54	60	57	53	54
	CV (%)	3.8	1.5	2.0	4.4	1.7	2.1	1.8	3.7	1.3	1.6
	F (Prob)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0
	CD (5%)	3.9	1.4	2.0	5.0	1.6	2.0	1.9	3.8	1.3	1.5
	CD (1%)	5.4	2.0	2.8	7.0	2.3	2.8	2.7	5.3	1.8	2.1

Table No. 14 (Contd. **Days to 50% silking**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	54	54	56	60	58	65	54	58
2	DHM 117 (FILLER)	58	54	60	63	64	70	55	61
3	BIO 605 (C)	59	54	52	55	56	62	51	56
4	DKC 7074 (C)	57	54	53	57	55	64	52	56
5	PMH 5 (C)	58	53	51	49	55	58	50	54
6	Vivek hybrid 45 (c)	56	53	49	53	54	60	49	54
7	Vivek hybrid 51 (C)	58	50	49	50	50	57	47	52
	Location Mean	57	53	53	55	56	62	51	56
	CV (%)	4.9	1.3	3.3	1.4	2.1	0.9	3.7	2.8
	F (Prob)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	5.0	1.2	3.1	1.4	2.1	1.0	3.4	0.6
	CD (1%)	7.0	1.7	4.3	1.9	3.0	1.4	4.8	0.8

Table No. 14 (Contd.) **Days to 75% dry husk**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	78	90	97	96	93	88	105	88	94	85
2	DHM 117 (FILLER)	76	93	98	99	92	90	103	89	94	87
3	BIO 605 (C)	78	88	95	97	92	85	102	85	93	82
4	DKC 7074 (C)	76	89	96	95	92	85	103	87	94	82
5	PMH 5 (C)	72	86	93	94	92	84	99	86	93	82
6	Vivek hybrid 45 (c)	73	87	92	93	92	82	102	86	93	81
7	Vivek hybrid 51 (C)	71	88	91	95	94	82	93	85	92	82
	Location Mean	75	89	95	96	92	85	101	87	93	83
	CV (%)	4.0	2.9	1.1	4.5	2.3	2.2	1.9	2.4	0.9	1.6
	F (Prob)	0.1	0.1	0.0	0.7	0.9	0.0	0.0	0.3	0.1	0.0
	CD (5%)	5.3	4.6	1.8	7.6	3.8	3.3	3.4	3.8	1.5	2.3
	CD (1%)	7.4	6.4	2.5	10.7	5.3	4.7	4.7	5.3	2.0	3.2

Table No. 14 (Contd.) **Days to 75% dry husk**

S. No.	Entry	PZ						
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	84	84	86	97	107	93	92
2	DHM 117 (FILLER)	83	86	94	100	112	95	93
3	BIO 605 (C)	85	84	85	95	105	91	90
4	DKC 7074 (C)	83	84	85	96	106	91	90
5	PMH 5 (C)	83	83	82	90	101	89	88
6	Vivek hybrid 45 (c)	84	82	82	91	101	91	88
7	Vivek hybrid 51 (C)	84	80	82	90	100	87	87
	Location Mean	84	83	85	94	104	91	90
	CV (%)	2.3	1.1	1.7	0.7	0.6	3.1	2.3
	F (Prob)	0.8	0.0	0.0	0.0	0.0	0.1	0.0
	CD (5%)	3.4	1.6	2.6	1.2	1.1	5.1	0.8
	CD (1%)	4.8	2.3	3.6	1.7	1.6	7.1	1.1

Table No. 14 (Contd.) **Ear Number**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	95	92	110	76	74	65	50	94	111	95
2	DHM 117 (FILLER)	79	91	103	76	75	68	29	95	111	79
3	BIO 605 (C)	90	92	111	78	71	64	44	106	116	102
4	DKC 7074 (C)	109	91	116	82	70	69	46	102	108	66
5	PMH 5 (C)	96	89	92	91	72	66	29	93	111	67
6	Vivek hybrid 45 (c)	100	88	101	59	68	66	26	95	105	92
7	Vivek hybrid 51 (C)	103	94	111	89	70	64	50	98	107	99
	Location Mean	96	91	106	79	71	66	39	98	110	86
	CV (%)	7.6	2.8	12.7	18.5	7.9	3.6	19.6	6.5	4.6	19.3
	F (Prob)	0.0	0.2	0.4	0.2	0.7	0.2	0.0	0.2	0.2	0.1
	CD (5%)	13.0	4.6	24.0	25.8	10.1	4.2	13.6	11.3	9.0	29.5
	CD (1%)	18.2	6.4	33.7	36.2	14.1	5.9	19.1	15.9	12.5	41.4

Table No. 14 (Contd.)		Ear Number						
S. No.	Entry	PZ						
		Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	111	113	40	57	65	98	84
2	DHM 117 (FILLER)	109	111	32	61	64	98	80
3	BIO 605 (C)	106	108	40	63	72	99	85
4	DKC 7074 (C)	113	111	42	71	73	99	85
5	PMH 5 (C)	113	103	39	61	22	96	78
6	Vivek hybrid 45 (c)	112	103	39	66	66	94	80
7	Vivek hybrid 51 (C)	114	112	41	74	59	97	86
	Location Mean	111	109	39	65	60	97	83
	CV (%)	4.2	6.9	2.3	10.0	11.2	3.9	9.9
	F (Prob)	0.4	0.5	0.0	0.1	0.0	0.7	0.0
	CD (5%)	8.3	13.3	1.6	11.6	11.9	6.7	3.3
	CD (1%)	11.6	18.6	2.3	16.2	16.7	9.4	4.3

Table No. 14 (Contd.) **Initial Plant stand**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	100	95	108	72	75	69	96	94	107	117
2	DHM 117 (FILLER)	96	93	109	71	76	71	89	96	111	117
3	BIO 605 (C)	100	94	118	68	72	69	82	109	113	120
4	DKC 7074 (C)	103	93	122	73	72	73	91	103	106	98
5	PMH 5 (C)	101	92	117	71	73	70	99	102	112	108
6	Vivek hybrid 45 (c)	100	89	115	73	71	70	86	97	105	116
7	Vivek hybrid 51 (C)	102	96	117	69	73	70	85	99	108	119
	Location Mean	100	93	115	71	73	70	90	100	109	114
	CV (%)	3.2	3.5	6.6	2.7	6.6	2.2	10.7	7.3	4.1	12.8
	F (Prob)	0.3	0.3	0.3	0.1	0.9	0.1	0.4	0.3	0.3	0.5
	CD (5%)	5.6	5.8	13.6	3.4	8.6	2.8	17.0	12.9	8.0	25.9
	CD (1%)	7.9	8.1	19.0	4.8	12.1	3.9	23.9	18.1	11.2	36.3

Table No. 14 (Contd.) **Initial Plant stand**

S. No.	Entry	PZ					
		Peddapuram_AP	Rahuri_MH	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	117	113	57	82	101	94
2	DHM 117 (FILLER)	116	112	61	79	101	93
3	BIO 605 (C)	113	108	63	81	101	94
4	DKC 7074 (C)	116	113	71	82	101	94
5	PMH 5 (C)	117	104	61	81	97	94
6	Vivek hybrid 45 (c)	120	104	66	79	96	92
7	Vivek hybrid 51 (C)	118	114	74	76	99	95
	Location Mean	117	110	65	80	100	94
	CV (%)	3.6	7.0	10.0	3.9	2.4	6.9
	F (Prob)	0.7	0.5	0.1	0.3	0.1	0.7
	CD (5%)	7.5	13.6	11.6	5.6	4.2	2.7
	CD (1%)	10.5	19.0	16.2	7.9	5.9	3.5

Table No. 14 (Contd.) **Final Plant stand**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	173	60	64	73	59	78	68	52	65	58
2	DHM 117 (FILLER)	145	54	64	71	57	78	70	48	65	60
3	BIO 605 (C)	163	60	64	77	56	75	66	44	73	62
4	DKC 7074 (C)	169	64	64	80	59	73	72	49	70	56
5	PMH 5 (C)	180	63	63	64	58	75	69	54	67	61
6	Vivek hybrid 45 (c)	129	62	61	70	57	71	69	47	66	56
7	Vivek hybrid 51 (C)	156	64	66	77	56	74	68	46	67	58
	Location Mean	159	61	64	73	58	75	69	49	68	59
	CV (%)	9.9	4.1	3.9	12.4	3.0	7.2	3.0	10.8	6.7	5.1
	F (Prob)	0.0	0.0	0.4	0.4	0.2	0.7	0.1	0.4	0.3	0.2
	CD (5%)	28.2	4.4	4.4	16.1	3.0	9.6	3.7	9.4	8.0	5.4
	CD (1%)	39.5	6.2	6.2	22.6	4.2	13.4	5.1	13.2	11.2	7.5

Table No. 14 (Contd. **Final Plant stand**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	65	66	79	84	36	78	69	72
2	DHM 117 (FILLER)	64	65	78	78	38	75	69	69
3	BIO 605 (C)	66	63	75	86	39	81	69	72
4	DKC 7074 (C)	54	67	78	85	44	82	70	73
5	PMH 5 (C)	60	67	72	85	38	59	67	71
6	Vivek hybrid 45 (c)	64	67	72	81	41	72	66	68
7	Vivek hybrid 51 (C)	66	68	79	86	46	71	68	72
	Location Mean	63	66	76	84	40	74	69	71
	CV (%)	12.9	4.2	7.1	5.3	10.0	8.5	3.5	8.5
	F (Prob)	0.5	0.4	0.5	0.4	0.1	0.0	0.6	0.0
	CD (5%)	14.4	4.9	9.6	7.9	7.2	11.1	4.3	2.4
	CD (1%)	20.2	6.9	13.4	11.1	10.1	15.6	6.0	3.1

Table No. 14 (Contd.) **Plant height**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	181	245	174	159	220	181	106	158	202	208
2	DHM 117 (FILLER)	195	249	175	179	237	205	125	170	217	194
3	BIO 605 (C)	189	231	170	180	215	196	113	175	215	193
4	DKC 7074 (C)	165	212	162	149	212	169	99	150	189	187
5	PMH 5 (C)	172	205	143	149	204	176	95	140	192	207
6	Vivek hybrid 45 (c)	143	190	151	144	168	149	84	142	167	205
7	Vivek hybrid 51 (C)	155	210	156	156	214	164	99	143	175	203
	Location Mean	171	220	162	159	210	177	103	154	194	200
	CV (%)	2.2	3.5	7.0	9.0	13.7	4.4	5.5	12.8	3.6	8.1
	F (Prob)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.6
	CD (5%)	6.7	13.7	20.1	25.6	51.1	13.9	10.1	35.1	12.5	28.8
	CD (1%)	9.4	19.2	28.2	35.9	71.6	19.4	14.1	49.2	17.6	40.4

Table No. 14 (Contd. **Plant height**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	185	143	172	193	238	138	125	178
2	DHM 117 (FILLER)	162	148	201	214	281	161	139	191
3	BIO 605 (C)	193	150	197	192	261	151	136	186
4	DKC 7074 (C)	188	135	160	178	242	131	104	167
5	PMH 5 (C)	165	120	176	174	233	110	123	164
6	Vivek hybrid 45 (c)	192	107	157	161	218	111	106	153
7	Vivek hybrid 51 (C)	169	137	164	172	224	113	119	163
	Location Mean	179	134	175	183	242	131	122	172
	CV (%)	14.1	8.1	8.0	4.5	4.9	9.7	9.3	8.3
	F (Prob)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	45.0	19.4	24.8	14.5	20.9	22.5	20.2	5.6
	CD (1%)	63.1	27.2	34.8	20.4	29.3	31.5	28.3	7.4

Table No. 14 (Contd.) **Ear height**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	86	104	80	66	107	67	39	77	101	114
2	DHM 117 (FILLER)	92	107	90	76	121	79	54	83	108	100
3	BIO 605 (C)	87	103	83	79	102	70	46	78	105	93
4	DKC 7074 (C)	76	97	81	62	108	66	37	75	85	89
5	PMH 5 (C)	76	86	78	63	99	60	35	52	92	83
6	Vivek hybrid 45 (c)	57	83	78	56	96	45	28	62	81	72
7	Vivek hybrid 51 (C)	72	91	86	72	108	59	41	73	88	90
	Location Mean	78	96	82	68	106	64	40	71	94	92
	CV (%)	3.4	6.9	8.5	17.1	8.7	6.6	10.8	13.0	6.1	12.7
	F (Prob)	0.0	0.0	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	CD (5%)	4.8	11.8	12.4	20.5	16.4	7.5	7.7	16.5	10.3	20.7
	CD (1%)	6.7	16.5	17.4	28.7	22.9	10.5	10.8	23.2	14.4	29.0

Table No. 14 (Contd. **Ear height**

S. No.	Entry	PZ							
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	JH 31947	86	65	105	106	94	66	64	84
2	DHM 117 (FILLER)	86	70	119	119	108	67	73	91
3	BIO 605 (C)	103	67	112	104	111	59	65	86
4	DKC 7074 (C)	92	57	93	101	93	63	54	78
5	PMH 5 (C)	85	50	96	93	85	50	59	73
6	Vivek hybrid 45 (c)	102	47	84	78	78	38	53	67
7	Vivek hybrid 51 (C)	95	62	90	97	83	53	63	78
	Location Mean	93	60	100	100	93	57	62	80
	CV (%)	16.7	15.6	10.0	7.0	13.3	14.1	9.3	11.1
	F (Prob)	0.7	0.1	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	27.6	16.5	17.8	12.3	21.9	14.2	10.1	3.5
	CD (1%)	38.7	23.1	25.0	17.3	30.7	19.9	14.2	4.6

Table No. 15: Trial No. 510 (Late Maturity) AVT-I-II Yield (Kg/ha)

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dhar_KR		Dhule_MH		Hyd_AP		Karim_AP		Kolhapur_MH		Mandya_KR	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 1390064	8254.9	7	5142.17	4	10170.82	2	12375.4	1	8533.8	4	9781.39	2	7713.46	3	8024.96	5	10067.32	6
2	BIO 716	8039.22	9	4570.02	9	9239.1	4	10635.12	3	8363.62	5	7160.71	9	5671.11	9	8866.45	2	9878.37	7
3	DKC 9178	9418.3	3	3804.02	10	10681.85	1	11057.51	2	8888.89	3	9624.54	3	8244.92	2	9420.25	1	10298.11	3
4	DKC 9185 (IR8449)	9349.56	4	5479.94	1	9293.86	3	9489.07	5	8335.03	6	10626.29	1	8619.8	1	7878.02	8	10730.08	2
5	JH 15130	6993.36	10	4905.5	7	6431.48	10	7099.43	10	5361.61	10	7453.43	8	6028.54	8	8024.73	6	8735.88	9
6	JH 15135	8071.24	8	5005.87	5	7077.37	9	7717.46	8	6337.15	8	8020.78	7	6057.73	7	7335.78	9	8495.48	10
7	JKMH 150375	9255.34	5	4599.13	8	8004	8	9321.73	7	8953.68	2	6473.3	10	5379.15	10	8701.75	3	10164.63	5
8	BIO 9682 (C)	9610.68	2	4920.23	6	9161.94	5	7628.93	9	9144.95	1	8735.82	5	6908.46	6	7147.57	10	11148.35	1
9	CMH 08-282 (C)	8506.21	6	5304.24	2	8568.56	6	9450.12	6	6808.88	7	8336.26	6	7198.35	5	7925.87	7	9055.12	8
10	CMH 08-287 (C)	9760.02	1	5164.11	3	8474.17	7	10421.99	4	5910.53	9	8967.39	4	7677.8	4	8220.46	4	10216.01	4
	Location Mean	8725.88	.	4889.52	.	8710.31	.	9519.68	.	7663.81	.	8517.99	.	6949.93	.	8154.58	.	9878.93	.
	CV (%)	14.62	.	4.89	.	9.5	.	13.1	.	14.28	.	11.75	.	13.01	.	15.72	.	10.12	.
	F (Prob)	0.23	.	0	.	0	.	0	.	0	.	0	.	0	.	0.57	.	0.07	.
	CD (5%)	2188.38	.	410.44	.	1419.75	.	2140.01	.	1877.12	.	1716.91	.	1551.15	.	2198.67	.	1714.54	.
	CD (1%)	2998.27	.	562.33	.	1945.18	.	2931.99	.	2571.81	.	2352.31	.	2125.2	.	3012.37	.	2349.06	.

Table No. 15: (Contd. Yield (kg/ha)

S. No.	Entry	PZ																		Z_PZ	
		NIPHAD_Nasik		Parbhani_MH		Pedda_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shimoga_KR		VRDC_Dhar		Vagarai_TN			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	ADV 1390064	7643.26	6	7347.44	10	8739.71	1	10185.9	1	10740	2	12159.96	2	9472.73	8	7978.27	2	9518.27	4	9235.13	1
2	BIO 716	9024	1	8155.65	5	6799.64	9	7990.83	9	9769.5	4	12312.69	1	10832.28	1	6485.49	8	9408.32	6	8640.43	5
3	DKC 9178	6901.64	10	9874.41	2	7945.65	3	9516.69	3	8343.6	8	11257.18	7	10707	2	7156.47	5	9457.32	5	9048.65	3
4	DKC 9185 (IR8449)	7709.79	4	7410.69	9	7712.13	4	8683.45	6	10121	3	11900.76	3	10102.75	4	8523.02	1	8053.28	8	9055.98	2
5	JH 15130	7582.94	7	9434.74	3	6880.9	8	8549.5	7	8395.3	7	11300.34	6	10291.8	3	7380.53	4	8763.73	7	7706.13	9
6	JH 15135	6909.85	9	8111.13	6	7562.96	5	7629.96	10	6297.3	10	9270.35	10	8693.18	9	6885.67	7	6544.09	10	7271.83	10
7	JKMH 150375	8167.42	2	10686.82	1	7556.77	6	9339.96	4	9543.9	5	10872.35	8	10022.58	5	5551.49	10	10922.91	1	8454.58	7
8	BIO 9682 (C)	7665.1	5	8550.06	4	7333.28	7	9651.02	2	11432	1	11653.1	4	8611.17	10	6279.25	9	10388.92	2	8755.49	4
9	CMH 08-282 (C)	7214.86	8	7739	8	8033.85	2	8496.98	8	7989.6	9	9781.99	9	9800.8	7	7775.46	3	9597.8	3	8238.19	8
10	CMH 08-287 (C)	7889.61	3	8028.42	7	6550.61	10	8967.04	5	9373.7	6	11421.25	5	9916.3	6	7041.67	6	7431.42	9	8553.34	6
	Location Mean	7670.85	.	8533.84	.	7511.55	.	8901.13	.	9200.6	.	11193	.	9845.06	.	7105.73	.	9008.6	.	8495.97	.
	CV (%)	8.05	.	23.64	.	19.25	.	11.36	.	12.82	.	5.15	.	11.53	.	14.65	.	9.92	.	11.73	.
	F (Prob)	0.02	.	0.54	.	0.77	.	0.13	.	0	.	0	.	0.3	.	0.09	.	0	.	0	.
	CD (5%)	1059.14	.	3460.26	.	2480.88	.	1734.31	.	2023.2	.	988.09	.	1947.72	.	1785.54	.	1532.84	.	400.28	.
	CD (1%)	1451.11	.	4740.84	.	3399.02	.	2376.15	.	2772	.	1353.77	.	2668.54	.	2446.34	.	2100.12	.	527.34	.

Table No. 15 (Contd.) **Gain in Yield(%) over BIO 9682 (C)**

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyd_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 1390064	-14.11	7	4.51	4	11.01	2	62.22	1	-6.68	4	11.97	2	11.65	3	12.28	5	-9.7	6
2	BIO 716	-16.35	9	-7.12	9	0.84	4	39.41	3	-8.54	5	-18.03	9	-17.91	9	24.05	2	-11.39	7
3	DKC 9178	-2	3	-22.69	10	16.59	1	44.94	2	-2.8	3	10.17	3	19.35	2	31.8	1	-7.63	3
4	DKC 9185 (IR8449)	-2.72	4	11.38	1	1.44	3	24.38	5	-8.86	6	21.64	1	24.77	1	10.22	8	-3.75	2
5	JH 15130	-27.23	10	-0.3	7	-29.8	10	-6.94	10	-41.37	10	-14.68	8	-12.74	8	12.27	6	-21.64	9
6	JH 15135	-16.02	8	1.74	5	-22.75	9	1.16	8	-30.7	8	-8.19	7	-12.31	7	2.63	9	-23.8	10
7	JKMH 150375	-3.7	5	-6.53	8	-12.64	8	22.19	7	-2.09	2	-25.9	10	-22.14	10	21.74	3	-8.82	5
8	BIO 9682 (C)	0	2	0	6	0	5	0	9	0	1	0	5	0	6	0	10	0	1
9	CMH 08-282 (C)	-11.49	6	7.8	2	-6.48	6	23.87	6	-25.54	7	-4.57	6	4.2	5	10.89	7	-18.78	8
10	CMH 08-287 (C)	1.55	1	4.96	3	-7.51	7	36.61	4	-35.37	9	2.65	4	11.14	4	15.01	4	-8.36	4

Table No. 15 (Contd.) **Gain in Yield(%) over BIO 9682 (C)**

S. No.	Entry	NIPHAD_Nasik		PZ																Z_PZ	
				Parbhani_MH		Pedda_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shim_KR		VRDC_Dhar		Vagarai_TN			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 1390064	-0.29	6	-14.07	10	19.18	1	5.54	1	-6.06	2	4.35	2	10.01	8	27.06	2	-8.38	4	5.48	1
2	BIO 716	17.73	1	-4.61	5	-7.28	9	-17.2	9	-14.54	4	5.66	1	25.79	1	3.28	8	-9.44	6	-1.31	5
3	DKC 9178	-9.96	10	15.49	2	8.35	3	-1.39	3	-27.02	8	-3.4	7	24.34	2	13.97	5	-8.97	5	3.35	3
4	DKC 9185 (IR8449)	0.58	4	-13.33	9	5.17	4	-10.03	6	-11.47	3	2.13	3	17.32	4	35.73	1	-22.48	8	3.43	2
5	JH 15130	-1.07	7	10.35	3	-6.17	8	-11.41	7	-26.57	7	-3.03	6	19.52	3	17.54	4	-15.64	7	-11.99	9
6	JH 15135	-9.85	9	-5.13	6	3.13	5	-20.94	10	-44.92	10	-20.45	10	0.95	9	9.66	7	-37.01	10	-16.95	10
7	JKMH 150375	6.55	2	24.99	1	3.05	6	-3.22	4	-16.52	5	-6.7	8	16.39	5	-11.59	10	5.14	1	-3.44	7
8	BIO 9682 (C)	0	5	0	4	0	7	0	2	0	1	0	4	0	10	0	9	0	2	0	4
9	CMH 08-282 (C)	-5.87	8	-9.49	8	9.55	2	-11.96	8	-30.11	9	-16.06	9	13.81	7	23.83	3	-7.62	3	-5.91	8
10	CMH 08-287 (C)	2.93	3	-6.1	7	-10.67	10	-7.09	5	-18.01	6	-1.99	5	15.16	6	12.14	6	-28.47	9	-2.31	6

Table No. 15 (Contd.) **Gain in Yield(%) over CMH 08-282 (C)**

S. No.	Entry	PZ																		
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		NIPHAD_Nasik
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain
1	ADV 1390064	-2.95	7	-3.06	4	18.7	2	30.95	1	25.33	4	17.34	2	7.16	3	1.25	5	11.18	6	5.94
2	BIO 716	-5.49	9	-13.84	9	7.83	4	12.54	3	22.83	5	-14.1	9	-21.22	9	11.87	2	9.09	7	25.08
3	DKC 9178	10.72	3	-28.28	10	24.66	1	17.01	2	30.55	3	15.45	3	14.54	2	18.85	1	13.73	3	-4.34
4	DKC 9185 (IR8449)	9.91	4	3.31	1	8.46	3	0.41	5	22.41	6	27.47	1	19.75	1	-0.6	8	18.5	2	6.86
5	JH 15130	-17.79	10	-7.52	7	-24.94	10	-24.87	10	-21.26	10	-10.59	8	-16.25	8	1.25	6	-3.53	9	5.1
6	JH 15135	-5.11	8	-5.63	5	-17.4	9	-18.33	8	-6.93	8	-3.78	7	-15.85	7	-7.45	9	-6.18	10	-4.23
7	JKMH 150375	8.81	5	-13.29	8	-6.59	8	-1.36	7	31.5	2	-22.35	10	-25.27	10	9.79	3	12.25	5	13.2
8	BIO 9682 (C)	12.98	2	-7.24	6	6.93	5	-19.27	9	34.31	1	4.79	5	-4.03	6	-9.82	10	23.12	1	6.24
9	CMH 08-282 (C)	0	6	0	2	0	6	0	6	0	7	0	6	0	5	0	7	0	8	0
10	CMH 08-287 (C)	14.74	1	-2.64	3	-1.1	7	10.28	4	-13.19	9	7.57	4	6.66	4	3.72	4	12.82	4	9.35

Table No. 15 (Contd.) **Gain in Yield(%) over CMH 08-282 (C)**

S. No.	Entry	NIPHAD_			PZ														Z_PZ	
		Nasik	Parbhani_MH		Pedda_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shim_KR		VRDC_Dhar		Vagarai_TN			
		Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 1390064	6	-5.06	10	8.79	1	19.88	1	34.42	2	24.31	2	-3.35	8	2.61	2	-0.83	4	12.1	1
2	BIO 716	1	5.38	5	-15.36	9	-5.96	9	22.28	4	25.87	1	10.52	1	-16.59	8	-1.97	6	4.88	5
3	DKC 9178	10	27.59	2	-1.1	3	12	3	4.43	8	15.08	7	9.25	2	-7.96	5	-1.46	5	9.84	3
4	DKC 9185 (IR8449)	4	-4.24	9	-4	4	2.19	6	26.68	3	21.66	3	3.08	4	9.61	1	-16.09	8	9.93	2
5	JH 15130	7	21.91	3	-14.35	8	0.62	7	5.08	7	15.52	6	5.01	3	-5.08	4	-8.69	7	-6.46	9
6	JH 15135	9	4.81	6	-5.86	5	-10.2	10	-21.18	10	-5.23	10	-11.3	9	-11.44	7	-31.82	10	-11.73	10
7	JKMH 150375	2	38.09	1	-5.94	6	9.92	4	19.45	5	11.15	8	2.26	5	-28.6	10	13.81	1	2.63	7
8	BIO 9682 (C)	5	10.48	4	-8.72	7	13.58	2	43.09	1	19.13	4	-12.14	10	-19.24	9	8.24	2	6.28	4
9	CMH 08-282 (C)	8	0	8	0	2	0	8	0	9	0	9	0	7	0	3	0	3	0	8
10	CMH 08-287 (C)	3	3.74	7	-18.46	10	5.53	5	17.32	6	16.76	5	1.18	6	-9.44	6	-22.57	9	3.83	6

Table No. 15 (Contd.) **Gain in Yield(%) over CMH 08-287 (C)**

S. No.	Entry	PZ																	
		Arbhavi_KR		Buldana_MH		Coimb_TN		Dharwar_KR		Dhule_MH		Hyd_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 1390064	-15.42	7	-0.42	4	20.02	2	18.74	1	44.38	4	9.08	2	0.46	3	-2.38	5	-1.46	6
2	BIO 716	-17.63	9	-11.5	9	9.03	4	2.04	3	41.5	5	-20.15	9	-26.14	9	7.86	2	-3.31	7
3	DKC 9178	-3.5	3	-26.34	10	26.05	1	6.1	2	50.39	3	7.33	3	7.39	2	14.6	1	0.8	3
4	DKC 9185 (IR8449)	-4.21	4	6.12	1	9.67	3	-8.95	5	41.02	6	18.5	1	12.27	1	-4.17	8	5.03	2
5	JH 15130	-28.35	10	-5.01	7	-24.1	10	-31.88	10	-9.29	10	-16.88	8	-21.48	8	-2.38	6	-14.49	9
6	JH 15135	-17.3	8	-3.06	5	-16.48	9	-25.95	8	7.22	8	-10.56	7	-21.1	7	-10.76	9	-16.84	10
7	JKMH 150375	-5.17	5	-10.94	8	-5.55	8	-10.56	7	51.49	2	-27.81	10	-29.94	10	5.85	3	-0.5	5
8	BIO 9682 (C)	-1.53	2	-4.72	6	8.12	5	-26.8	9	54.72	1	-2.58	5	-10.02	6	-13.05	10	9.13	1
9	CMH 08-282 (C)	-12.85	6	2.71	2	1.11	6	-9.33	6	15.2	7	-7.04	6	-6.24	5	-3.58	7	-11.36	8
10	CMH 08-287 (C)	0	1	0	3	0	7	0	4	0	9	0	4	0	4	0	4	0	4

Table No. 15 (Contd.) **Gain in Yield(%) over CMH 08-287 (C)**

S. No.	Entry			PZ																Z_PZ	
		NIPHAD_Nasik		Parbhani_MH		Pedda_AP		Rahuri_MH		Raichur_KR		Sehgal_Hyd		Shim_KR		VRDC_Dhar		Vagarai_TN			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADV 1390064	-3.12	6	-8.48	10	33.42	1	13.59	1	14.57	2	6.47	2	-4.47	8	13.3	2	28.08	4	7.97	1
2	BIO 716	14.38	1	1.58	5	3.8	9	-10.89	9	4.22	4	7.81	1	9.24	1	-7.9	8	26.6	6	1.02	5
3	DKC 9178	-12.52	10	22.99	2	21.3	3	6.13	3	-10.99	8	-1.44	7	7.97	2	1.63	5	27.26	5	5.79	3
4	DKC 9185 (IR8449)	-2.28	4	-7.69	9	17.73	4	-3.16	6	7.97	3	4.2	3	1.88	4	21.04	1	8.37	8	5.88	2
5	JH 15130	-3.89	7	17.52	3	5.04	8	-4.66	7	-10.44	7	-1.06	6	3.79	3	4.81	4	17.93	7	-9.91	9
6	JH 15135	-12.42	9	1.03	6	15.45	5	-14.91	10	-32.82	10	-18.83	10	-12.33	9	-2.22	7	-11.94	10	-14.98	10
7	JKMH 150375	3.52	2	33.11	1	15.36	6	4.16	4	1.81	5	-4.81	8	1.07	5	-21.16	10	46.98	1	-1.15	7
8	BIO 9682 (C)	-2.85	5	6.5	4	11.95	7	7.63	2	21.96	1	2.03	4	-13.16	10	-10.83	9	39.8	2	2.36	4
9	CMH 08-282 (C)	-8.55	8	-3.6	8	22.64	2	-5.24	8	-14.77	9	-14.35	9	-1.16	7	10.42	3	29.15	3	-3.68	8
10	CMH 08-287 (C)	0	3	0	7	0	10	0	5	0	6	0	5	0	6	0	6	0	9	0	6

Table No. 15 (Contd.) **Moisture(%)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	23	13	18	13	16	23	20	16	18	12
2	BIO 716	18	13	17	14	15	21	19	18	18	12
3	DKC 9178	21	11	19	13	15	23	20	16	18	15
4	DKC 9185 (IR8449)	23	12	18	11	14	22	21	19	17	16
5	JH 15130	22	14	16	10	15	22	21	13	17	18
6	JH 15135	18	13	17	10	14	22	19	15	16	15
7	JKMH 150375	23	13	16	12	15	24	19	15	18	14
8	BIO 9682 (C)	20	11	18	11	15	22	21	14	17	13
9	CMH 08-282 (C)	19	12	16	11	15	22	20	17	17	15
10	CMH 08-287 (C)	23	11	17	14	15	22	20	18	18	15
	Location Mean	21	12	17	12	15	22	20	16	17	15
	CV (%)	7.9	6.0	3.7	11.2	8.3	4.9	5.8	13.8	3.0	19.1
	F (Prob)	0.0	0.0	0.0	0.0	0.9	0.4	0.2	0.1	0.0	0.3
	CD (5%)	2.9	1.3	1.1	2.2	2.1	1.9	2.0	3.8	0.9	4.8
	CD (1%)	3.9	1.7	1.5	3.1	2.9	2.5	2.7	5.2	1.2	6.5

Table No. 15 (Contd.) **Moisture(%)**

S. No.	Entry	PZ								
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	30	17	20	20	20	18	13	17	18
2	BIO 716	27	14	20	18	22	18	13	16	17
3	DKC 9178	27	14	20	19	20	18	13	18	18
4	DKC 9185 (IR8449)	27	16	19	19	19	19	13	17	18
5	JH 15130	26	14	19	19	19	18	13	16	17
6	JH 15135	27	14	20	19	19	19	13	14	17
7	JKMH 150375	29	15	20	19	20	18	13	18	18
8	BIO 9682 (C)	27	15	20	18	18	19	13	18	17
9	CMH 08-282 (C)	26	16	19	19	20	18	13	15	17
10	CMH 08-287 (C)	27	16	21	19	22	18	13	16	18
	Location Mean	27	15	20	19	20	18	13	16	18
	CV (%)	5.0	7.0	4.3	4.8	5.4	4.5	2.4	4.1	7.3
	F (Prob)	0.1	0.0	0.2	0.4	0.0	0.6	0.3	0.0	0.0
	CD (5%)	2.4	1.8	1.5	1.6	1.8	1.4	0.5	1.2	0.5
	CD (1%)	3.2	2.5	2.0	2.1	2.5	1.9	0.7	1.6	0.6

Table No. 15 (Contd.) **Shelling(%)**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	80	83	82	88	80	82	82	73	83	76
2	BIO 716	80	79	80	83	73	78	79	75	81	74
3	DKC 9178	80	79	80	78	71	78	79	75	79	78
4	DKC 9185 (IR8449)	80	84	80	83	72	79	78	76	82	81
5	JH 15130	80	81	78	86	74	82	78	75	81	85
6	JH 15135	80	81	79	85	75	81	78	72	81	81
7	JKMH 150375	80	87	78	86	76	80	78	78	82	78
8	BIO 9682 (C)	80	85	79	80	74	78	79	74	78	77
9	CMH 08-282 (C)	80	85	79	85	74	78	79	77	81	81
10	CMH 08-287 (C)	80	84	81	82	71	80	77	74	81	78
	Location Mean	80	83	80	84	74	80	79	75	81	79
	CV (%)	0.0	0.8	0.8	0.7	2.3	4.8	1.4	0.0	2.1	4.7
	F (Prob)	.	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.1	0.1
	CD (5%)	0.0	1.2	1.1	0.9	2.9	6.5	1.9	0.0	2.9	6.4
	CD (1%)	0.0	1.6	1.6	1.3	4.0	9.0	2.6	0.0	4.0	8.8

Table No. 15 (Contd.) **Shelling(%)**

S. No.	Entry	PZ								Z_PZ
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	76	85	86	84	89	80	88	82	82
2	BIO 716	86	84	81	84	85	80	85	79	80
3	DKC 9178	89	85	79	80	82	80	81	76	79
4	DKC 9185 (IR8449)	88	81	81	83	86	80	81	80	81
5	JH 15130	90	83	81	86	87	80	86	81	82
6	JH 15135	90	85	82	84	86	80	84	81	81
7	JKMH 150375	91	90	84	85	86	80	83	82	82
8	BIO 9682 (C)	89	85	81	80	86	80	81	82	81
9	CMH 08-282 (C)	87	83	82	78	87	80	83	81	81
10	CMH 08-287 (C)	87	83	80	82	84	80	80	81	80
	Location Mean	87	84	82	83	86	80	83	81	81
	CV (%)	6.7	1.4	2.6	5.2	1.4	0.0	3.3	1.2	3.0
	F (Prob)	0.2	0.0	0.0	0.4	0.0	.	0.1	0.0	0.0
	CD (5%)	10.0	2.0	3.6	7.3	2.1	0.0	4.8	1.6	0.9
	CD (1%)	13.6	2.7	4.9	10.1	2.8	0.0	6.5	2.2	1.2

Table No. 15 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	64	56	57	61	52	59	60	59	55	60
2	BIO 716	60	57	56	62	53	58	59	59	57	62
3	DKC 9178	62	58	57	62	53	60	59	62	58	62
4	DKC 9185 (IR8449)	61	56	55	62	54	59	58	60	57	61
5	JH 15130	61	53	56	61	52	59	59	62	55	60
6	JH 15135	57	52	55	59	48	55	58	60	54	56
7	JKMH 150375	63	59	58	64	53	61	59	61	58	63
8	BIO 9682 (C)	60	58	56	62	52	57	58	60	56	60
9	CMH 08-282 (C)	60	56	56	61	50	57	58	61	55	59
10	CMH 08-287 (C)	61	57	57	63	54	59	59	61	57	61
	Location Mean	61	56	56	62	52	58	59	61	56	60
	CV (%)	2.9	2.0	1.8	1.6	2.2	1.8	1.8	4.1	1.1	1.6
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.0
	CD (5%)	3.0	2.0	1.7	1.7	2.0	1.9	1.8	4.2	1.1	1.7
	CD (1%)	4.2	2.7	2.4	2.4	2.7	2.5	2.5	5.8	1.5	2.3

Table No. 15 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	PZ								
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	56	58	55	55	57	58	65	52	58
2	BIO 716	56	58	56	55	57	57	65	51	58
3	DKC 9178	56	59	56	55	58	59	67	52	59
4	DKC 9185 (IR8449)	55	57	55	55	57	58	65	52	58
5	JH 15130	54	57	55	54	57	54	63	52	57
6	JH 15135	52	56	51	51	54	53	62	50	55
7	JKMH 150375	57	58	56	56	58	60	69	52	59
8	BIO 9682 (C)	55	55	55	55	56	57	66	51	57
9	CMH 08-282 (C)	54	57	54	52	55	54	65	51	56
10	CMH 08-287 (C)	57	58	56	55	58	58	67	52	58
	Location Mean	55	57	55	54	57	57	65	51	57
	CV (%)	2.6	3.0	1.5	1.8	2.0	2.5	0.9	2.0	2.2
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	CD (5%)	2.5	2.9	1.5	1.7	2.0	2.4	1.0	1.7	0.5
	CD (1%)	3.4	4.0	2.0	2.3	2.7	3.3	1.3	2.4	0.6

Table No. 15 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	65	58	60	62	56	61	62	61	57	63
2	BIO 716	63	59	59	63	56	61	62	61	58	64
3	DKC 9178	63	61	60	63	56	62	62	64	60	65
4	DKC 9185 (IR8449)	62	58	58	63	57	61	61	62	58	64
5	JH 15130	62	55	59	62	56	61	61	64	56	62
6	JH 15135	58	54	58	60	52	57	60	62	55	59
7	JKMH 150375	64	61	62	65	57	63	62	63	59	65
8	BIO 9682 (C)	61	60	59	62	56	59	60	62	56	63
9	CMH 08-282 (C)	61	58	59	61	54	59	60	63	55	63
10	CMH 08-287 (C)	62	59	60	63	57	61	61	63	58	63
	Location Mean	62	58	60	62	56	61	61	63	57	63
	CV (%)	2.2	2.0	1.6	1.7	2.0	1.8	1.8	4.0	1.7	1.2
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.0
	CD (5%)	2.4	2.1	1.6	1.9	1.9	1.9	1.9	4.2	1.7	1.3
	CD (1%)	3.3	2.8	2.2	2.6	2.6	2.6	2.5	5.8	2.3	1.8

Table No. 15 (Contd.) **Days to 50 % silking**

S. No.	Entry	PZ								
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	62	60	56	56	59	60	67	55	60
2	BIO 716	63	60	57	57	59	58	66	54	60
3	DKC 9178	62	61	57	58	60	60	68	55	61
4	DKC 9185 (IR8449)	62	59	56	57	59	59	66	55	60
5	JH 15130	60	59	56	56	59	56	64	54	59
6	JH 15135	59	58	53	52	56	55	63	53	57
7	JKMH 150375	63	60	57	59	62	63	70	54	62
8	BIO 9682 (C)	63	57	57	57	58	58	67	54	59
9	CMH 08-282 (C)	60	59	54	54	57	56	66	54	58
10	CMH 08-287 (C)	63	60	57	57	60	59	69	54	60
	Location Mean	62	59	56	56	59	58	66	54	60
	CV (%)	2.2	2.9	1.1	2.4	2.0	2.6	1.1	1.9	2.1
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0
	CD (5%)	2.3	2.9	1.1	2.3	2.0	2.6	1.2	1.8	0.5
	CD (1%)	3.2	4.0	1.5	3.1	2.7	3.5	1.7	2.5	0.6

Table No. 15 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	100	93	100	105	112	101	103	104	105	94
2	BIO 716	99	97	98	109	113	101	102	104	105	96
3	DKC 9178	106	99	99	107	114	101	103	107	101	94
4	DKC 9185 (IR8449)	99	94	98	110	110	101	102	105	106	96
5	JH 15130	100	95	98	110	115	101	102	107	104	93
6	JH 15135	95	92	97	104	112	98	101	105	97	88
7	JKMH 150375	105	100	102	107	114	103	102	106	104	97
8	BIO 9682 (C)	99	98	99	106	112	98	101	105	106	94
9	CMH 08-282 (C)	104	93	98	101	109	99	101	106	96	91
10	CMH 08-287 (C)	102	96	99	105	111	101	102	106	104	94
	Location Mean	101	96	99	106	112	101	102	106	103	94
	CV (%)	5.8	2.5	1.3	2.6	2.8	1.1	1.0	2.3	2.2	2.3
	F (Prob)	0.5	0.0	0.0	0.0	0.6	0.0	0.4	0.8	0.0	0.0
	CD (5%)	10.0	4.1	2.1	4.7	5.5	1.8	1.7	4.2	3.9	3.7
	CD (1%)	13.7	5.6	2.9	6.4	7.5	2.5	2.4	5.8	5.3	5.0

Table No. 15 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	PZ								All India
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	VRDC_Dharwad	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	83	102	104	94	99	110	96	100	100
2	BIO 716	83	101	104	96	105	110	94	101	101
3	DKC 9178	85	102	103	94	101	112	96	101	101
4	DKC 9185 (IR8449)	83	99	103	96	105	110	95	101	101
5	JH 15130	86	100	104	94	103	108	95	101	101
6	JH 15135	84	99	102	92	98	107	94	98	98
7	JKMH 150375	84	100	104	97	100	113	94	102	102
8	BIO 9682 (C)	83	97	103	97	102	111	94	100	100
9	CMH 08-282 (C)	84	101	102	92	93	110	95	98	98
10	CMH 08-287 (C)	86	101	103	92	103	112	95	101	101
	Location Mean	84	100	103	94	101	110	95	100	100
	CV (%)	3.1	1.7	1.1	3.4	2.2	0.7	1.5	2.5	2.5
	F (Prob)	0.6	0.1	0.4	0.3	0.0	0.0	0.7	0.0	0.0
	CD (5%)	4.4	3.0	2.0	5.5	3.8	1.3	2.5	1.0	1.0
	CD (1%)	6.0	4.1	2.7	7.6	5.2	1.8	3.4	1.3	1.3

Table No. 15 (Contd.) **Ear Number**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	87	90	108	92	104	94	113	106	104	98
2	BIO 716	92	91	110	118	100	79	102	105	115	101
3	DKC 9178	84	93	107	107	91	88	105	99	111	104
4	DKC 9185 (IR8449)	90	93	102	111	103	95	107	108	102	105
5	JH 15130	77	71	61	57	67	61	101	85	97	93
6	JH 15135	83	79	95	83	72	78	101	89	97	83
7	JKMH 150375	89	89	107	111	92	79	98	108	122	108
8	BIO 9682 (C)	111	93	111	125	108	86	111	108	120	111
9	CMH 08-282 (C)	101	91	109	89	104	94	107	109	100	100
10	CMH 08-287 (C)	91	91	108	77	95	88	104	110	99	96
	Location Mean	90	88	102	97	94	84	105	103	107	100
	CV (%)	11.7	8.4	6.8	11.7	14.7	12.7	4.0	10.9	10.2	9.1
	F (Prob)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
	CD (5%)	18.1	12.7	11.9	19.4	23.7	18.3	7.1	19.2	18.6	15.6
	CD (1%)	24.8	17.4	16.3	26.6	32.4	25.1	9.7	26.4	25.5	21.3

Table No. 15 (Contd.) **Ear Number**

S. No.	Entry	PZ							Z_PZ
		Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	111	106	74	40	70	71	93	92
2	BIO 716	110	108	65	40	64	66	93	92
3	DKC 9178	111	113	53	38	66	73	91	90
4	DKC 9185 (IR8449)	112	117	67	40	65	77	92	93
5	JH 15130	92	105	46	38	66	63	92	75
6	JH 15135	93	103	51	37	67	68	92	81
7	JKMH 150375	106	112	55	37	67	67	89	90
8	BIO 9682 (C)	102	117	73	41	65	76	99	98
9	CMH 08-282 (C)	108	110	65	39	66	68	93	91
10	CMH 08-287 (C)	107	113	68	40	66	71	95	89
	Location Mean	105	110	62	39	66	70	93	89
	CV (%)	13.6	5.4	13.5	4.3	8.3	6.9	3.6	10.1
	F (Prob)	0.6	0.1	0.0	0.1	1.0	0.1	0.1	0.0
	CD (5%)	24.6	10.3	14.3	2.9	9.4	8.3	5.7	3.5
	CD (1%)	33.7	14.0	19.5	3.9	12.9	11.4	7.8	4.6

Table No. 15 (Contd.) **Initial Plant Stand**

S. No.	Entry	PZ									
		Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik	Parbhani_MH
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	99	92	111	113	106	104	107	108	103	115
2	BIO 716	99	92	112	110	102	94	100	97	111	115
3	DKC 9178	100	93	112	112	93	92	104	102	106	116
4	DKC 9185 (IR8449)	99	96	105	112	105	100	104	108	102	117
5	JH 15130	99	73	70	113	67	66	99	85	96	114
6	JH 15135	98	81	95	112	75	84	99	91	98	112
7	JKMH 150375	98	93	107	111	95	93	96	107	113	118
8	BIO 9682 (C)	101	95	116	114	109	88	114	107	115	119
9	CMH 08-282 (C)	99	94	116	115	106	102	108	111	96	114
10	CMH 08-287 (C)	98	94	109	112	94	95	105	112	98	112
	Location Mean	99	90	105	112	95	92	104	103	104	115
	CV (%)	1.6	8.0	5.8	2.6	13.4	10.5	4.9	9.9	8.1	3.2
	F (Prob)	0.5	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.1	0.3
	CD (5%)	2.8	12.4	10.4	5.0	21.9	16.5	8.7	17.4	14.5	6.2
	CD (1%)	3.8	17.0	14.3	6.9	30.0	22.7	11.9	23.8	19.8	8.5

Table No. 15 (Contd.) **Initial Plant Stand**

S. No.	Entry	PZ						Z_PZ
		Peddapuram_AP	Rahuri_MH	Raichur_KR	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	115	106	121	70	85	100	103
2	BIO 716	111	105	110	64	79	94	100
3	DKC 9178	117	115	93	66	80	93	100
4	DKC 9185 (IR8449)	117	119	120	65	81	95	103
5	JH 15130	92	104	69	66	77	94	86
6	JH 15135	95	103	83	67	79	95	92
7	JKMH 150375	107	114	94	67	79	94	99
8	BIO 9682 (C)	107	110	118	65	81	101	104
9	CMH 08-282 (C)	116	112	121	66	80	98	103
10	CMH 08-287 (C)	111	112	117	66	80	98	101
	Location Mean	109	110	105	66	80	96	99
	CV (%)	12.2	6.2	13.1	8.3	3.0	3.7	8.1
	F (Prob)	0.3	0.1	0.0	1.0	0.1	0.1	0.0
	CD (5%)	22.8	11.6	23.5	9.4	4.1	6.1	3.2
	CD (1%)	31.2	15.9	32.3	12.9	5.6	8.3	4.2

Table No. 15 (Contd.) **Final Plant Stand**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	59	58	62	75	61	72	69	58	72	55
2	BIO 716	73	60	63	76	60	70	61	55	66	59
3	DKC 9178	69	57	63	74	59	63	62	57	69	56
4	DKC 9185 (IR8449)	72	60	65	71	60	71	67	57	73	54
5	JH 15130	46	53	49	41	61	47	42	54	59	50
6	JH 15135	61	56	55	65	60	51	56	54	62	51
7	JKMH 150375	65	61	63	73	60	64	61	52	75	59
8	BIO 9682 (C)	81	67	65	77	60	75	59	62	74	62
9	CMH 08-282 (C)	74	64	64	76	62	73	66	58	74	50
10	CMH 08-287 (C)	73	59	64	75	60	66	63	57	75	52
	Location Mean	67	59	61	70	60	65	61	56	70	55
	CV (%)	13.9	9.5	8.4	6.8	3.3	14.3	11.1	4.8	10.2	8.0
	F (Prob)	0.0	0.2	0.0	0.0	0.8	0.0	0.0	0.0	0.1	0.0
	CD (5%)	16.1	9.7	8.8	8.2	3.4	16.0	11.5	4.7	12.2	7.5
	CD (1%)	22.0	13.2	12.1	11.2	4.7	21.9	15.8	6.4	16.7	10.3

Table No. 15 (Contd.) **Final Plant Stand**

S. No.	Entry	PZ								
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	64	66	59	140	81	73	74	67	70
2	BIO 716	64	65	58	128	81	67	68	65	69
3	DKC 9178	65	66	63	108	83	68	76	64	68
4	DKC 9185 (IR8449)	65	67	66	139	83	67	80	65	71
5	JH 15130	63	55	57	80	76	68	66	65	57
6	JH 15135	62	55	57	96	77	70	70	65	63
7	JKMH 150375	65	63	63	109	79	69	70	64	68
8	BIO 9682 (C)	66	61	61	137	85	67	79	68	72
9	CMH 08-282 (C)	63	64	62	140	80	68	71	66	71
10	CMH 08-287 (C)	62	64	62	135	87	69	74	66	70
	Location Mean	64	63	61	121	81	69	73	65	68
	CV (%)	3.2	13.5	5.7	13.1	4.9	8.3	6.9	3.7	9.8
	F (Prob)	0.3	0.6	0.1	0.0	0.1	1.0	0.1	0.6	0.0
	CD (5%)	3.5	14.5	6.0	27.2	6.8	9.8	8.6	4.1	2.5
	CD (1%)	4.8	19.9	8.2	37.3	9.3	13.4	11.8	5.7	3.3

Table No. 15 (Contd.) **Plant Height**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	176	273	156	176	237	176	109	163	201	195
2	BIO 716	201	273	180	209	254	184	123	195	231	243
3	DKC 9178	211	239	177	216	252	186	135	177	236	230
4	DKC 9185 (IR8449)	208	271	170	199	247	190	149	183	228	238
5	JH 15130	221	270	183	227	249	217	151	178	240	250
6	JH 15135	181	262	172	182	267	175	123	166	203	208
7	JKMH 150375	219	279	189	212	271	218	137	198	240	249
8	BIO 9682 (C)	174	270	164	173	246	170	112	160	202	206
9	CMH 08-282 (C)	194	257	180	212	259	194	138	183	225	235
10	CMH 08-287 (C)	218	253	174	229	261	204	143	187	234	231
	Location Mean	200	265	175	203	254	191	132	179	224	229
	CV (%)	3.3	6.2	3.7	3.7	6.2	5.9	4.9	12.8	4.5	6.3
	F (Prob)	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.5	0.0	0.0
	CD (5%)	11.2	28.0	11.1	12.9	26.9	19.3	11.1	39.2	17.1	24.6
	CD (1%)	15.4	38.4	15.2	17.7	36.9	26.5	15.3	53.7	23.4	33.7

Table No. 15 (Contd.) **Plant Height**

S. No.	Entry	PZ								
		Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	193	220	218	238	193	243	143	136	192
2	BIO 716	212	205	233	299	216	260	163	171	214
3	DKC 9178	206	215	232	294	218	273	150	157	211
4	DKC 9185 (IR8449)	208	213	231	298	205	273	160	148	212
5	JH 15130	225	207	239	313	227	280	155	181	223
6	JH 15135	207	215	232	237	194	245	158	160	199
7	JKMH 150375	220	193	247	270	223	294	175	183	223
8	BIO 9682 (C)	182	213	213	288	196	239	150	145	195
9	CMH 08-282 (C)	211	207	235	277	204	263	164	176	212
10	CMH 08-287 (C)	207	205	239	283	226	277	171	159	217
	Location Mean	207	209	232	280	210	265	159	162	210
	CV (%)	7.5	9.9	5.0	6.9	3.1	3.6	9.2	6.5	6.4
	F (Prob)	0.1	0.9	0.1	0.0	0.0	0.0	0.3	0.0	0.0
	CD (5%)	26.4	35.5	19.8	33.3	11.1	16.6	25.1	18.1	5.1
	CD (1%)	36.2	48.6	27.1	45.6	15.2	22.7	34.4	24.8	6.7

Table No. 15 (Contd.) **Ear height**

S. No.	Entry	PZ									
		Arbhavi_KR	Buldana_MH	Coimb_TN	Dharwar_KR	Dhule_MH	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	NIPHAD_Nasik
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	ADV 1390064	85	128	78	69	111	60	47	98	103	98
2	BIO 716	96	122	89	88	111	66	52	102	115	104
3	DKC 9178	93	111	85	89	121	66	54	82	118	101
4	DKC 9185 (IR8449)	101	119	91	77	115	73	57	97	111	96
5	JH 15130	110	115	93	97	120	92	67	98	123	100
6	JH 15135	84	118	85	69	120	70	52	93	94	99
7	JKMH 150375	106	125	96	91	119	75	56	115	123	103
8	BIO 9682 (C)	91	123	81	75	115	64	46	95	102	97
9	CMH 08-282 (C)	93	114	92	87	125	75	62	95	114	100
10	CMH 08-287 (C)	111	112	86	101	125	75	61	100	116	101
	Location Mean	97	119	88	84	118	72	55	98	112	100
	CV (%)	2.8	9.1	5.8	6.9	7.1	8.2	10.0	16.6	6.6	8.3
	F (Prob)	0.0	0.6	0.0	0.0	0.4	0.0	0.0	0.6	0.0	1.0
	CD (5%)	4.6	18.6	8.7	9.9	14.3	10.0	9.5	27.8	12.7	14.3
	CD (1%)	6.3	25.5	12.0	13.6	19.6	13.7	13.0	38.0	17.3	19.6

Table No. 15 (Contd.) **Ear height**

Entry	PZ								
	Parbhani_MH	Peddapuram_AP	Rahuri_MH	Raichur_KR	Sehgal_Hyd	Shimoga_KR	VRDC_Dharwad	Vagarai_TN	Z_PZ
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
ADV 1390064	99	80	118	133	109	98	59	73	92
BIO 716	109	85	126	162	112	112	69	85	100
DKC 9178	104	93	116	159	126	110	61	79	98
DKC 9185 (IR8449)	109	82	127	162	113	103	66	75	98
JH 15130	117	80	129	167	136	118	65	95	107
JH 15135	111	95	123	134	110	95	70	79	95
JKMH 150375	112	75	133	153	124	114	70	87	104
BIO 9682 (C)	109	88	119	160	116	104	64	74	96
CMH 08-282 (C)	109	80	130	164	112	114	66	82	101
CMH 08-287 (C)	112	80	129	169	128	114	75	83	104
Location Mean	109	84	125	156	119	108	67	81	99
CV (%)	6.6	13.2	7.6	5.0	5.1	11.3	20.0	7.9	9.0
F (Prob)	0.3	0.5	0.4	0.0	0.0	0.4	0.9	0.0	0.0
CD (5%)	12.3	19.0	16.2	13.3	10.4	20.9	22.8	11.0	3.4
CD (1%)	16.8	26.0	22.2	18.2	14.2	28.7	31.3	15.0	4.5

Table No. 16: Trial no. 500 (Medium Maturity) AVT-I-II **Yield (Kg/ha)**

S. No.	Entry	CWZ																				CWZ				All India	
		Ambi_CG		Bans_RJ		Bhilo_GJ		Chind_MP		Chitr_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raip_CH		Udai_Raj		Ujjain_MP		Z_CWZ			
		Mean	R	Mean	R	Mean	Rank	Mean	R	Mean	R	Mean	Rank	Mean	Rank	Mean	R	Mean	R	Mean	Rank	Mean	Rank	Mean	R	Mean	R
1	BLH118	4354	5	7197	4	6701	4	7718	2	4843	5	10105	5	5280	8	3447	3	7260	2	5703	3	5792	6	6733	3	6733	3
2	DKC8174(IQ8319)	3708	7	7888	2	7305	1	7574	3	5340	3	11247	2	5955	1	3281	4	5129	7	5449	4	5696	8	6842	2	6842	2
3	DKC9179(IQ8627)	1889	9	8012	1	6891	2	8119	1	4669	8	9617	7	5536	5	3623	1	7569	1	5362	5	5870	4	6849	1	6849	1
4	EH-2906	5789	3	6490	7	5481	7	6986	7	5933	1	10747	4	5484	6	2923	8	5938	3	4711	7	5794	5	6396	6	6396	6
5	JKMH1414	4639	4	6329	8	5747	6	7346	6	4771	6	11007	3	4829	9	2575	9	4367	9	4904	6	5875	3	6131	7	6131	7
6	RCRMH-2	7044	1	6609	6	6780	3	7399	4	5312	4	9555	8	5462	7	3278	5	5570	5	6285	1	6033	1	6556	4	6556	4
7	Bio 9544 (C)	6996	2	7228	3	5358	8	6291	9	5424	2	12047	1	5664	3	3516	2	4853	8	6069	2	5744	7	6520	5	6520	5
8	CMH 08-292 (C)	4150	6	5864	9	5911	5	7370	5	4549	9	9426	9	5654	4	3066	7	5788	4	4676	8	5333	9	6064	8	6064	8
9	DHM 121 (C)	2330	8	7024	5	4761	9	6475	8	4735	7	10034	6	5673	2	3083	6	5281	6	4497	9	5926	2	6045	9	6045	9
	Location Mean	4544	.	6960	.	6104	.	7253	.	5064	.	10420	.	5504	.	3199	.	5750	.	5295	.	5785	.	6460	.	6460	.
	CV (%)	53.09	.	15.93	.	17.77	.	5.91	.	14.61	.	12.34	.	10.83	.	13.96	.	16.15	.	8.88	.	5.93	.	12.9	.	12.9	.
	F (Prob)	0.17	.	0.34	.	0.14	.	0	.	0.38	.	0.25	.	0.59	.	0.2	.	0.01	.	0	.	0.48	.	0	.	0	.
	CD (5%)	4175.81	.	1918.72	.	1877.9	.	742.49	.	1281.01	.	2225.63	.	1031.57	.	773.31	.	1607.11	.	813.53	.	593.93	.	448.43	.	448.43	.
	CD (1%)	5753.39	.	2643.59	.	2587.35	.	1023	.	1764.96	.	3066.45	.	1421.29	.	1065.45	.	2214.26	.	1120.87	.	818.31	.	592.22	.	592.22	.

Table No. 16 (Contd.) **Gain in Yield(%) over Bio 9544 (C)**

S. No.	Entry	CWZ																				CWZ				All India	
		Ambi_CG		Bans_RJ		Bhilo_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raip_CH		Udai_Raj		Ujjain_MP		Z_CWZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	Rank	Gain	R	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	-47	7	9.13	2	36.33	1	20.39	3	-1.56	3	-6.64	2	5.13	1	-6.68	4	5.69	7	-10.2	4	-0.85	8	4.95	2	4.95	2
2	DKC9179(IQ8627)	-73	9	10.85	1	28.6	2	29.05	1	-13.91	8	-20.17	7	-2.25	5	3.06	1	55.98	1	-11.7	5	2.2	4	5.06	1	5.06	1
3	EH-2906	-17.3	3	-10.21	7	2.28	7	11.04	7	9.38	1	-10.79	4	-3.18	6	-16.86	8	22.37	3	-22.4	7	0.86	5	-1.9	6	-1.9	6
4	JKMH1414	-33.7	4	-12.44	8	7.25	6	16.77	6	-12.03	6	-8.64	3	-14.7	9	-26.75	9	-10	9	-19.2	6	2.28	3	-5.97	7	-5.97	7
5	BLH118	-37.8	5	-0.42	4	25.05	4	22.67	2	-10.71	5	-16.12	5	-6.78	8	-1.96	3	49.6	2	-6.03	3	0.83	6	3.27	3	3.27	3
6	RCRMH-2	0.69	1	-8.56	6	26.52	3	17.61	4	-2.06	4	-20.69	8	-3.57	7	-6.76	5	14.79	5	3.56	1	5.03	1	0.56	4	0.56	4
7	Bio 9544 (C)	0	2	0	3	0	8	0	9	0	2	0	1	0	3	0	2	0	8	0	2	0	7	0	5	0	5
8	CMH 08-292 (C)	-40.7	6	-18.87	9	10.31	5	17.15	5	-16.14	9	-21.76	9	-0.17	4	-12.8	7	19.28	4	-23	8	-7.16	9	-7	8	-7	8
9	DHM 121 (C)	-66.7	8	-2.83	5	-11.15	9	2.92	8	-12.71	7	-16.71	6	0.17	2	-12.32	6	8.82	6	-25.9	9	3.16	2	-7.28	9	-7.28	9

Table No. 16 (Contd.) **Gain in Yield(%) over CMH 08-292 (C)**

S. No.	Entry	CWZ																		CWZ						All India	
		Ambi_CG		Bans_RJ		Bhilo_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raip_CH		Udai_Raj		Ujjain_MP		Z_CWZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	-10.7	7	34.51	2	23.58	1	2.77	3	17.39	3	19.31	2	5.31	1	7.02	4	-11.4	7	16.5	4	6.8	8	12.84	2	12.8	2
2	DKC9179(IQ8627)	-54.5	9	36.62	1	16.58	2	10.16	1	2.65	8	2.03	7	-2.09	5	18.19	1	30.78	1	14.7	5	10.08	4	12.96	1	13	1
3	EH-2906	39.51	3	10.67	7	-7.28	7	-5.22	7	30.43	1	14.01	4	-3.01	6	-4.66	8	2.59	3	0.73	7	8.63	5	5.48	6	5.48	6
4	JKMH1414	11.78	4	7.92	8	-2.77	6	-0.33	6	4.89	6	16.77	3	-14.6	9	-16	9	-24.6	9	4.87	6	10.16	3	1.11	7	1.11	7
5	BLH118	4.93	5	22.73	4	13.36	4	4.71	2	6.47	5	7.21	5	-6.62	8	12.43	3	25.43	2	22	3	8.6	6	11.04	3	11	3
6	RCRMH-2	69.74	1	12.7	6	14.7	3	0.39	4	16.78	4	1.36	8	-3.4	7	6.93	5	-3.76	5	34.4	1	13.13	1	8.12	4	8.12	4
7	Bio 9544 (C)	68.59	2	23.25	3	-9.35	8	-14.64	9	19.24	2	27.81	1	0.17	3	14.68	2	-16.2	8	29.8	2	7.71	7	7.53	5	7.53	5
8	CMH 08-292 (C)	0	6	0	9	0	5	0	5	0	9	0	9	0	4	0	7	0	4	0	8	0	9	0	8	0	8
9	DHM 121 (C)	-43.9	8	19.77	5	-19.5	9	-12.15	8	4.09	7	6.45	6	0.34	2	0.55	6	-8.77	6	-3.84	9	11.12	2	-0.31	9	-0.31	9

Table No. 16 (Contd.) **Gain in Yield(%) over DHM 121 (C)**

S. No.	Entry	CWZ																				CWZ				All India	
		Ambi_CG		Bans_RJ		Bhilo_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raip_CH		Udai_Raj		Ujjain_MP		Z_CWZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	DKC8174(IQ8319)	59.14	7	12.31	2	53.4	1	16.98	3	12.77	3	12.09	2	4.96	1	6.43	4	-2.87	7	21.2	4	-3.89	8	13.19	2	13.2	2
2	DKC9179(IQ8627)	-18.91	9	14.07	1	44.7	2	25.39	1	-1.38	8	-4.15	7	-2.42	5	17.54	1	43.34	1	19.2	5	-0.94	4	13.31	1	13.3	1
3	EH-2906	148.5	3	-7.59	7	15.1	7	7.89	7	25.31	1	7.1	4	-3.34	6	-5.18	8	12.45	3	4.75	7	-2.23	5	5.8	6	5.8	6
4	JKMH1414	99.09	4	-9.89	8	20.7	6	13.46	6	0.77	6	9.69	3	-14.9	9	-16.46	9	-17.3	9	9.05	6	-0.86	3	1.42	7	1.42	7
5	BLH118	86.88	5	2.47	4	40.8	4	19.2	2	2.28	5	0.71	5	-6.93	8	11.81	3	37.48	2	26.8	3	-2.26	6	11.39	3	11.4	3
6	RCRMH-2	202.3	1	-5.9	6	42.4	3	14.28	4	12.19	4	-4.78	8	-3.73	7	6.34	5	5.49	5	39.8	1	1.81	1	8.46	4	8.46	4
7	Bio 9544 (C)	200.3	2	2.91	3	12.6	8	-2.83	9	14.56	2	20.06	1	-0.16	3	14.05	2	-8.11	8	35	2	-3.07	7	7.86	5	7.86	5
8	CMH 08-292 (C)	78.1	6	-16.5	9	24.2	5	13.83	5	-3.93	9	-6.06	9	-0.34	4	-0.55	7	9.61	4	3.99	8	-10	9	0.31	8	0.31	8
9	DHM 121 (C)	0	8	0	5	0	9	0	8	0	7	0	6	0	2	0	6	0	6	0	9	0	2	0	9	0	9

Table No. 16 (Contd.) **Moisture%**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_RJ	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	17	16	28	14	24	24	17	17	15	20	18	19	19
2	DKC8174(IQ8319)	15	17	27	15	24	24	17	17	16	20	18	19	19
3	DKC9179(IQ8627)	15	16	28	14	25	31	17	17	16	19	18	20	20
4	EH-2906	15	16	30	13	25	23	18	16	15	18	18	19	19
5	JKMH1414	16	17	27	14	26	24	18	17	15	20	18	19	19
6	RCRMH-2	15	17	28	14	24	28	17	16	15	21	18	19	19
7	Bio 9544 (C)	15	17	27	13	23	18	17	17	15	21	18	18	18
8	CMH 08-292 (C)	15	16	28	15	27	25	15	16	15	19	18	19	19
9	DHM 121 (C)	16	17	27	14	25	28	17	17	16	18	18	19	19
	Location Mean	15	17	28	14	25	25	17	17	15	19	18	19	19
	CV (%)	5.2	1.8	6.2	13.7	9.9	21.1	5.9	1.6	4.4	0.0	0.0	10.2	10.2
	F (Prob)	0.1	0.0	0.4	0.9	0.8	0.2	0.2	0.0	0.6	0.0	.	0.1	0.1
	CD (5%)	1.4	0.5	3.0	3.3	4.3	9.1	1.7	0.4	1.2	0.0	0.0	0.9	0.9
	CD (1%)	1.9	0.7	4.1	4.5	5.9	12.6	2.4	0.6	1.6	0.0	0.0	1.2	1.2

Table No. 16 (Contd.) **Shelling%**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_RJ	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	78	79	80	85	78	85	82	77	75	81	80	80	80
2	DKC8174(IQ8319)	77	80	73	82	83	85	86	76	76	82	81	80	80
3	DKC9179(IQ8627)	76	79	78	82	76	84	82	77	76	80	80	79	79
4	EH-2906	77	79	71	81	80	85	83	76	75	81	81	79	79
5	JKMH1414	77	80	77	82	80	89	80	78	77	82	80	80	80
6	RCRMH-2	75	80	77	84	79	85	82	78	76	82	80	80	80
7	Bio 9544 (C)	75	79	72	86	83	88	82	76	75	82	80	80	80
8	CMH 08-292 (C)	78	78	74	80	80	83	81	75	76	81	80	79	79
9	DHM 121 (C)	77	81	65	77	78	84	82	78	75	81	80	78	78
	Location Mean	77	79	74	82	80	85	82	77	76	81	80	79	79
	CV (%)	2.1	1.9	6.6	4.0	3.4	0.7	2.5	1.8	1.7	0.0	1.4	2.8	2.8
	F (Prob)	0.4	0.6	0.1	0.1	0.1	0.0	0.1	0.2	0.6	0.0	0.9	0.0	0.0
	CD (5%)	2.8	2.6	8.5	5.7	4.7	1.1	3.5	2.3	2.3	0.0	2.0	1.1	1.1
	CD (1%)	3.9	3.6	11.7	7.8	6.5	1.4	4.9	3.2	3.1	0.0	2.7	1.4	1.4

Table No. 16 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	58	47	50	56	52	46	48	53	52	58	52	52	52
2	DKC8174(IQ8319)	59	46	51	57	53	47	46	54	54	57	52	52	52
3	DKC9179(IQ8627)	60	47	50	58	51	51	44	55	51	56	53	52	52
4	EH-2906	59	47	53	56	54	46	44	54	51	58	52	52	52
5	JKMH1414	59	47	52	59	54	49	51	53	54	56	52	53	53
6	RCRMH-2	58	47	50	56	54	46	44	54	56	57	51	52	52
7	Bio 9544 (C)	57	46	51	58	53	47	48	54	52	58	52	52	52
8	CMH 08-292 (C)	58	46	51	55	51	43	49	53	48	57	53	51	51
9	DHM 121 (C)	59	46	53	57	53	49	49	53	51	55	53	53	53
	Location Mean	59	46	51	57	53	47	47	54	52	57	52	52	52
	CV (%)	2.9	1.9	3.1	1.8	5.0	4.8	7.1	1.4	6.3	1.8	1.5	3.8	3.8
	F (Prob)	0.5	0.7	0.2	0.0	0.8	0.0	0.1	0.2	0.2	0.0	0.1	0.0	0.0
	CD (5%)	2.9	1.5	2.8	1.8	4.6	3.9	5.8	1.3	5.7	1.8	1.4	1.0	1.0
	CD (1%)	4.0	2.1	3.8	2.4	6.3	5.4	7.9	1.8	7.9	2.4	1.9	1.3	1.3

Table No. 16 (Contd.) **Days to 50% silking**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	60	50	54	58	57	50	51	56	54	61	56	55	55
2	DKC8174(IQ8319)	62	49	54	59	58	51	48	56	56	60	56	55	55
3	DKC9179(IQ8627)	63	50	53	59	57	55	46	58	54	59	57	56	56
4	EH-2906	62	50	56	58	57	50	47	57	53	60	56	55	55
5	JKMH1414	62	50	55	59	60	54	54	56	57	58	57	57	57
6	RCRMH-2	60	50	53	57	56	50	46	57	59	60	55	55	55
7	Bio 9544 (C)	60	49	54	59	56	50	50	57	55	61	56	55	55
8	CMH 08-292 (C)	62	49	54	56	56	49	51	56	51	60	57	55	55
9	DHM 121 (C)	62	49	56	59	59	52	51	56	54	57	56	56	56
	Location Mean	61	49	54	58	57	51	49	57	55	59	56	55	55
	CV (%)	2.4	2.0	2.0	2.0	3.3	3.8	6.8	1.5	6.6	1.4	1.5	3.4	3.4
	F (Prob)	0.1	0.6	0.0	0.0	0.3	0.0	0.1	0.2	0.3	0.0	0.1	0.0	0.0
	CD (5%)	2.6	1.7	1.9	2.0	3.3	3.4	5.8	1.5	6.2	1.4	1.5	0.9	0.9
	CD (1%)	3.6	2.4	2.6	2.7	4.5	4.7	8.0	2.1	8.6	2.0	2.1	1.2	1.2

Table No. 16 (Contd.) **Days to 75% dry husk**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	98	86	88	98	87	97	80	91	99	94	90	93	93
2	DKC8174(IQ8319)	97	85	87	98	87	95	78	92	98	91	91	92	92
3	DKC9179(IQ8627)	98	87	84	97	88	98	79	93	100	90	91	93	93
4	EH-2906	96	86	84	96	86	96	332	92	98	90	92	92	92
5	JKMH1414	97	87	84	98	88	95	80	91	99	89	91	92	92
6	RCRMH-2	97	86	85	96	87	96	80	91	102	93	91	93	93
7	Bio 9544 (C)	98	87	84	97	88	95	78	91	98	93	91	92	92
8	CMH 08-292 (C)	97	84	84	94	85	96	83	89	96	91	92	91	91
9	DHM 121 (C)	96	86	85	97	91	96	80	92	96	86	91	92	92
	Location Mean	97	86	85	97	88	96	108	91	99	91	91	92	92
	CV (%)	1.5	1.4	1.5	1.0	2.8	2.3	136.1	1.4	3.9	2.0	1.3	2.1	2.1
	F (Prob)	0.6	0.3	0.0	0.0	0.2	0.7	0.5	0.1	0.6	0.0	0.6	0.0	0.0
	CD (5%)	2.6	2.0	2.1	1.7	4.3	3.7	253.7	2.2	6.7	3.2	2.0	1.0	1.0
	CD (1%)	3.6	2.8	3.0	2.4	5.9	5.1	349.5	3.0	9.3	4.4	2.7	1.3	1.3

Table No. 16 (Contd.) **Ears (Number)**

S. No.	Entry	CWZ											All India
		Ambikapur_CG	Banswara_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	72	101	103	108	108	113	95	103	112	117	107	107
2	DKC8174(IQ8319)	56	105	116	103	110	113	99	97	101	115	107	107
3	DKC9179(IQ8627)	36	96	108	106	103	104	102	92	115	115	105	105
4	EH-2906	83	99	112	109	104	98	101	96	104	117	104	104
5	JKMH1414	67	96	98	109	105	104	95	100	89	118	101	101
6	RCRMH-2	96	95	96	114	103	101	92	100	103	116	102	102
7	Bio 9544 (C)	93	105	99	113	106	97	99	106	93	118	104	104
8	CMH 08-292 (C)	64	96	98	109	107	100	87	97	106	121	102	102
9	DHM 121 (C)	42	92	78	99	109	95	97	99	97	121	98	98
	Location Mean	68	98	101	108	106	103	96	99	102	118	103	103
	CV (%)	47.8	7.8	11.9	9.1	5.5	12.3	11.2	6.0	9.5	5.5	8.9	8.9
	F (Prob)	0.3	0.4	0.1	0.7	0.8	0.6	0.8	0.3	0.1	0.9	0.0	0.0
	CD (5%)	55.9	13.2	20.7	16.9	10.1	21.8	18.6	10.3	16.8	11.2	5.0	5.0
	CD (1%)	77.0	18.2	28.6	23.3	13.9	30.1	25.6	14.2	23.1	15.4	6.6	6.6

Table No. 16 (Contd.) **Initial Plant stand (Number/plot)**

S. No.	Entry	CWZ							All India
		Banswara_RJ	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	110	116	91	103	104	117	107	107
2	DKC8174(IQ8319)	109	117	113	104	99	104	108	108
3	DKC9179(IQ8627)	103	113	102	110	103	120	108	108
4	EH-2906	104	107	97	109	102	108	105	105
5	JKMH1414	102	111	100	103	104	95	102	102
6	RCRMH-2	102	106	101	103	108	108	105	105
7	Bio 9544 (C)	110	109	109	104	105	97	106	106
8	CMH 08-292 (C)	102	110	96	97	101	113	103	103
9	DHM 121 (C)	100	112	97	105	100	99	102	102
	Location Mean	104	111	101	104	103	107	105	105
	CV (%)	7.6	6.4	6.9	8.8	5.8	7.8	7.1	7.1
	F (Prob)	0.7	0.6	0.0	0.8	0.7	0.0	0.1	0.1
	CD (5%)	13.7	12.2	12.0	15.9	10.3	14.4	4.9	4.9
	CD (1%)	18.8	16.9	16.6	21.9	14.2	19.8	6.5	6.5

Table No. 16 (Contd.) **Final Plant stand (000/ha)**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	40	72	69	61	74	63	75	70	64	65	62	68	68
2	DKC8174(IQ8319)	32	71	87	62	76	79	76	68	57	66	63	71	71
3	DKC9179(IQ8627)	21	68	81	62	72	71	80	66	66	65	63	69	69
4	EH-2906	47	68	74	64	70	68	79	69	59	61	63	67	67
5	JKMH1414	38	67	75	65	72	69	75	69	51	67	62	67	67
6	RCRMH-2	54	67	74	65	68	70	76	68	59	69	62	68	68
7	Bio 9544 (C)	53	73	75	65	71	76	76	74	52	69	63	69	69
8	CMH 08-292 (C)	36	65	72	63	71	67	72	67	61	62	62	66	66
9	DHM 121 (C)	24	66	56	59	72	67	75	67	54	60	63	64	64
	Location Mean	38	69	74	63	72	70	76	69	58	65	63	68	68
	CV (%)	47.9	7.5	13.8	7.3	6.4	6.9	7.1	5.6	8.7	4.6	1.0	7.7	7.7
	F (Prob)	0.4	0.6	0.1	0.7	0.6	0.0	0.8	0.6	0.0	0.0	0.4	0.0	0.0
	CD (5%)	31.8	8.9	17.5	7.9	8.0	8.3	9.3	6.7	8.7	5.2	1.0	2.7	2.7
	CD (1%)	43.8	12.3	24.2	10.9	11.0	11.5	12.8	9.2	12.0	7.2	1.4	3.5	3.5

Table No. 16 (Contd.) **Plant height (cm)**

S. No.	Entry	CWZ												All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	214	237	181	174	146	216	153	197	257	227	208	201	201
2	DKC8174(IQ8319)	201	237	174	186	157	202	162	201	249	227	208	200	200
3	DKC9179(IQ8627)	190	258	187	170	147	212	159	214	253	198	212	200	200
4	EH-2906	202	250	171	166	152	217	157	203	252	227	210	201	201
5	JKMH1414	200	283	175	189	145	209	163	231	245	250	212	209	209
6	RCRMH-2	212	238	181	170	160	219	162	196	259	232	207	203	203
7	Bio 9544 (C)	194	237	155	152	147	200	154	201	257	200	210	192	192
8	CMH 08-292 (C)	229	262	200	198	174	218	154	216	264	248	211	216	216
9	DHM 121 (C)	181	238	173	172	151	210	157	206	257	223	217	199	199
	Location Mean	203	249	178	175	153	211	158	207	255	226	211	202	202
	CV (%)	11.8	8.4	4.7	3.0	9.3	3.9	4.3	7.9	4.5	8.9	2.8	7.1	7.1
	F (Prob)	0.4	0.2	0.0	0.0	0.3	0.1	0.5	0.3	0.7	0.1	0.6	0.0	0.0
	CD (5%)	41.5	36.2	14.4	9.0	24.7	14.1	11.7	28.3	19.8	34.6	10.0	7.0	7.0
	CD (1%)	57.2	49.9	19.8	12.3	34.0	19.5	16.1	39.0	27.3	47.7	13.8	9.2	9.2

Table No. 16 (Contd.) **Ear height (cm)**

S. No.	Entry	CWZ											All India
		Ambikapur_CG	Bans_RJ	Bhiloda_GJ	Chindwara_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Z_CWZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BLH118	77	140	88	74	66	111	53	112	104	105	93	93
2	DKC8174(IQ8319)	69	128	85	77	87	108	61	103	110	105	93	93
3	DKC9179(IQ8627)	65	132	87	71	73	111	58	108	103	105	91	91
4	EH-2906	71	125	81	80	77	107	56	105	109	108	92	92
5	JKMH1414	70	160	83	87	71	111	64	118	101	127	99	99
6	RCRMH-2	72	117	82	69	72	116	62	99	101	103	89	89
7	Bio 9544 (C)	71	122	82	75	72	109	54	101	104	93	88	88
8	CMH 08-292 (C)	83	150	101	97	93	117	53	114	107	118	103	103
9	DHM 121 (C)	64	115	79	76	77	108	59	98	112	103	89	89
	Location Mean	71	132	85	79	76	111	58	106	106	108	93	93
	CV (%)	12.5	13.0	8.0	10.0	16.2	6.2	11.6	8.6	5.7	12.5	10.7	10.7
	F (Prob)	0.3	0.1	0.1	0.0	0.3	0.7	0.4	0.2	0.3	0.2	0.0	0.0
	CD (5%)	15.5	29.7	11.8	13.6	21.4	12.0	11.6	15.9	10.4	23.2	5.1	5.1
	CD (1%)	21.3	40.9	16.2	18.7	29.5	16.5	16.0	22.0	14.3	32.0	6.7	6.7

Table no. 17 Trial no. 507 (Early Maturity)AVT-I-II **Yield (kg/ha)**

S.No.	Entry	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raipur_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	DH-313	.	.	.	.	2785.12	10	3993.31	7	5302.71	8	5928.68	10	3568.63	7	.	.	3234.89	10	4700.68	6	5027.86	7	.	.
2	EH2891	4692.43	3	5575.83	6	4085.87	8	3177.16	9	4787.04	10	6659.59	8	4498.03	4	2954.01	4	4019.45	5	6445.35	1	5121.33	4	5043.78	7
3	FH-3823	4482.82	4	5387.81	8	4457.67	7	5846.6	1	6819.69	4	10960.88	3	6113.5	1	2729.27	8	4458.17	3	4985.71	3	5474.95	1	6255.85	1
4	JH 31947	2124.93	8	5724.76	5	5008.37	4	5160.22	4	5642.17	6	11668.43	1	6043.87	2	2788.48	6	4575.62	2	4197.27	7	5036.08	6	6060.15	2
5	JH 32010	2542.48	6	5474.2	7	5086.01	3	4042.78	6	5303.1	7	8239.29	6	3605.05	6	2595.23	9	3811.65	7	5665.04	2	4823.25	9	5279.84	6
6	BIO 605 (C)	5411.87	1	5253.99	9	5866.03	1	5206.68	3	7670.21	1	9905.39	4	3745.16	5	2753.58	7	3527.28	9	4794.67	4	5204.92	3	5955.88	3
7	DKC 7074 (C)	2756.49	5	6252.05	1	5673.04	2	5329.77	2	7097.07	3	9595.29	5	3006.25	10	3496.72	1	3849.21	6	3617.04	8	4779.3	10	5668.73	4
8	PMH 5 (C)	2529.63	7	6051.26	2	4971.9	5	2836.58	10	5167.1	9	6603.53	9	3470.81	9	3251.83	2	5229.01	1	4790.25	5	5346.1	2	4904.69	9
9	VIVEK hybrid 45 (C)	1987.76	9	5815.19	3	3642.21	9	3916.51	8	6765.88	5	8140.54	7	3493.72	8	3074.82	3	3668.62	8	3465.43	9	5078.98	5	5039.81	8
10	Vivek hybrid 51 (C)	4777.61	2	5746.06	4	4514.49	6	4670.36	5	7162.71	2	11167.9	2	4647.31	3	2873.81	5	4218.63	4	2500	10	4918.85	8	5665.96	5
	Location Mean	3478.45	.	5697.91	.	4609.07	.	4418	.	6171.77	.	8886.95	.	4219.23	.	2946.42	.	4059.25	.	4516.14	.	5081.16	.	5446.89	.
	CV (%)	57.19	.	11.88	.	11.89	.	25.45	.	22.06	.	24.26	.	13.89	.	16.18	.	39.16	.	18.54	.	6.22	.	20.27	.
	F (Prob)	0.29	.	0.72	.	0	.	0.06	.	0.16	.	0.03	.	0	.	0.43	.	0.92	.	0	.	0.24	.	0	.
	CD (5%)	3443.2	.	1172.05	.	939.8	.	1928.96	.	2335.68	.	3699.07	.	1005.63	.	824.97	.	2726.95	.	1436.58	.	541.85	.	.	.
	CD (1%)	4744	.	1614.83	.	1287.6	.	2642.84	.	3200.07	.	5068.03	.	1377.8	.	1136.63	.	3736.15	.	1968.24	.	742.39	.	.	.

Table No. 17 (Contd.) **Gain in Yield(%) over BIO 605 (C)**

S. No.	Entry	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Rai_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	DH-313	.	.	.	.	-52.52	10	-23.3	7	-30.87	8	-40.15	10	-4.71	7	.	.	-8.29	10	-1.96	6	-3.4	7	.	.
2	EH2891	-13.29	3	6.13	6	-30.35	8	-38.98	9	-37.59	10	-32.77	8	20.1	4	7.28	4	13.95	5	34.43	1	-1.61	4	-15.31	7
3	FH-3823	-17.17	4	2.55	8	-24.01	7	12.29	1	-11.09	4	10.66	3	63.24	1	-0.88	8	26.39	3	3.98	3	5.19	1	5.04	1
4	JH 31947	-60.74	8	8.96	5	-14.62	4	-0.89	4	-26.44	6	17.8	1	61.38	2	1.27	6	29.72	2	-12.46	7	-3.24	6	1.75	2
5	JH 32010	-53.02	6	4.19	7	-13.3	3	-22.35	6	-30.86	7	-16.82	6	-3.74	6	-5.75	9	8.06	7	18.15	2	-7.33	9	-11.35	6
6	BIO 605 (C)	0	1	0	9	0	1	0	3	0	1	0	4	0	5	0	7	0	9	0	4	0	3	0	3
7	DKC 7074 (C)	-49.07	5	19	1	-3.29	2	2.36	2	-7.47	3	-3.13	5	-19.73	10	26.99	1	9.13	6	-24.56	8	-8.18	10	-4.82	4
8	PMH 5 (C)	-53.26	7	15.17	2	-15.24	5	-45.52	10	-32.63	9	-33.33	9	-7.33	9	18.09	2	48.24	1	-0.09	5	2.71	2	-17.65	9
9	VIVEK hybrid 45 (C)	-63.27	9	10.68	3	-37.91	9	-24.78	8	-11.79	5	-17.82	7	-6.71	8	11.67	3	4.01	8	-27.72	9	-2.42	5	-15.38	8
10	Vivek hybrid 51 (C)	-11.72	2	9.37	4	-23.04	6	-10.3	5	-6.62	2	12.75	2	24.09	3	4.37	5	19.6	4	-47.86	10	-5.5	8	-4.87	5

Table No. 17 (Contd.) **Gain in Yield(%) over DKC 7074 (C)**

S. No.	Entry	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Rai_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	DH-313	.	.	.	.	-50.91	10	-25.08	7	-25.28	8	-38.21	10	18.71	7	.	.	-15.96	10	29.96	6	5.2	7	.	.
2	EH2891	70.23	3	-10.82	6	-27.98	8	-40.39	9	-32.55	10	-30.6	8	49.62	4	-15.52	4	4.42	5	78.19	1	7.16	4	-11.02	7
3	FH-3823	62.63	4	-13.82	8	-21.42	7	9.7	1	-3.91	4	14.23	3	103.36	1	-21.95	8	15.82	3	37.84	3	14.56	1	10.36	1
4	JH 31947	-22.91	8	-8.43	5	-11.72	4	-3.18	4	-20.5	6	21.61	1	101.04	2	-20.25	6	18.87	2	16.04	7	5.37	6	6.9	2
5	JH 32010	-7.76	6	-12.44	7	-10.35	3	-24.15	6	-25.28	7	-14.13	6	19.92	6	-25.78	9	-0.98	7	56.62	2	0.92	9	-6.86	6
6	BIO 605 (C)	96.33	1	-15.96	9	3.4	1	-2.31	3	8.08	1	3.23	4	24.58	5	-21.25	7	-8.36	9	32.56	4	8.91	3	5.07	3
7	DKC 7074 (C)	0	5	0	1	0	2	0	2	0	3	0	5	0	10	0	1	0	6	0	8	0	10	0	4
8	PMH 5 (C)	-8.23	7	-3.21	2	-12.36	5	-46.78	10	-27.19	9	-31.18	9	15.45	9	-7	2	35.85	1	32.44	5	11.86	2	-13.48	9
9	VIVEK hybrid 45 (C)	-27.89	9	-6.99	3	-35.8	9	-26.52	8	-4.67	5	-15.16	7	16.22	8	-12.07	3	-4.69	8	-4.19	9	6.27	5	-11.09	8
10	Vivek hybrid 51 (C)	73.32	2	-8.09	4	-20.42	6	-12.37	5	0.92	2	16.39	2	54.59	3	-17.81	5	9.6	4	-30.88	10	2.92	8	-0.05	5

Table No. 17 (Contd.) **Gain in Yield(%) over PMH 5 (C)**

S. No.	Entry	CWZ																		Udai				
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Rai_CH			Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	R	Gain	R	Gain	R
1	DH-313	.	.	.	.	-43.98	10	40.78	7	2.62	8	-10.22	10	2.82	7	.	.	-38.14	10	6	-5.95	7	.	.
2	EH2891	85.5	3	-7.86	6	-17.82	8	12.01	9	-7.36	10	0.85	8	29.6	4	-9.16	4	-23.13	5	1	-4.2	4	2.84	7
3	FH-3823	77.21	4	-10.96	8	-10.34	7	106.11	1	31.98	4	65.99	3	76.14	1	-16.07	8	-14.74	3	3	2.41	1	27.55	1
4	JH 31947	-16	8	-5.4	5	0.73	4	81.92	4	9.19	6	76.7	1	74.13	2	-14.25	6	-12.5	2	7	-5.8	6	23.56	2
5	JH 32010	0.51	6	-9.54	7	2.3	3	42.52	6	2.63	7	24.77	6	3.87	6	-20.19	9	-27.11	7	2	-9.78	9	7.65	6
6	BIO 605 (C)	113.94	1	-13.18	9	17.98	1	83.55	3	48.44	1	50	4	7.9	5	-15.32	7	-32.54	9	4	-2.64	3	21.43	3
7	DKC 7074 (C)	8.97	5	3.32	1	14.1	2	87.89	2	37.35	3	45.31	5	-13.38	10	7.53	1	-26.39	6	8	-10.6	10	15.58	4
8	PMH 5 (C)	0	7	0	2	0	5	0	10	0	9	0	9	0	9	0	2	0	1	5	0	2	0	9
9	VIVEK hybrid 45 (C)	-21.42	9	-3.9	3	-26.74	9	38.07	8	30.94	5	23.28	7	0.66	8	-5.44	3	-29.84	8	9	-5	5	2.75	8
10	Vivek hybrid 51 (C)	88.87	2	-5.04	4	-9.2	6	64.65	5	38.62	2	69.12	2	33.9	3	-11.63	5	-19.32	4	10	-7.99	8	15.52	5

Table No. 17 (Contd.) **Gain in Yield(%) over VIVEK hybrid 45 (C)**

S. No.	Entry	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Rai_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	DH-313	.	.	.	.	-23.53	10	1.96	7	-21.63	8	-27.17	10	2.14	7	.	.	-11.82	10	35.64	6	-1.01	7	.	.
2	EH2891	136.07	3	-4.12	6	12.18	8	-18.88	9	-29.25	10	-18.19	8	28.75	4	-3.93	4	9.56	5	85.99	1	0.83	4	0.08	7
3	FH-3823	125.52	4	-7.35	8	22.39	7	49.28	1	0.8	4	34.65	3	74.99	1	-11.24	8	21.52	3	43.87	3	7.8	1	24.13	1
4	JH 31947	6.9	8	-1.56	5	37.51	4	31.76	4	-16.61	6	43.34	1	72.99	2	-9.31	6	24.72	2	21.12	7	-0.84	6	20.25	2
5	JH 32010	27.91	6	-5.86	7	39.64	3	3.22	6	-21.62	7	1.21	6	3.19	6	-15.6	9	3.9	7	63.47	2	-5.03	9	4.76	6
6	BIO 605 (C)	172.26	1	-9.65	9	61.06	1	32.94	3	13.37	1	21.68	4	7.2	5	-10.45	7	-3.85	9	38.36	4	2.48	3	18.18	3
7	DKC 7074 (C)	38.67	5	7.51	1	55.76	2	36.08	2	4.9	3	17.87	5	-13.95	10	13.72	1	4.92	6	4.37	8	-5.9	10	12.48	4
8	PMH 5 (C)	27.26	7	4.06	2	36.51	5	-27.57	10	-23.63	9	-18.88	9	-0.66	9	5.76	2	42.53	1	38.23	5	5.26	2	-2.68	9
9	VIVEK hybrid 45 (C)	0	9	0	3	0	9	0	8	0	5	0	7	0	8	0	3	0	8	0	9	0	5	0	8
10	Vivek hybrid 51 (C)	140.35	2	-1.19	4	23.95	6	19.25	5	5.87	2	37.19	2	33.02	3	-6.54	5	14.99	4	-27.86	10	-3.15	8	12.42	5

Table No. 17 (Contd.) **Gain in Yield(%) over Vivek hybrid 51 (C)**

S. No.	Entry	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Rai_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	DH-313	.	.	.	.	-38.31	10	-14.5	7	-25.97	8	-46.91	10	-23.21	7	.	.	-23.32	10	88.03	6	2.22	7	.	.
2	EH2891	-1.78	3	-2.96	6	-9.49	8	-31.97	9	-33.17	10	-40.37	8	-3.21	4	2.79	4	-4.72	5	157.81	1	4.12	4	-10.98	7
3	FH-3823	-6.17	4	-6.23	8	-1.26	7	25.19	1	-4.79	4	-1.85	3	31.55	1	-5.03	8	5.68	3	99.43	3	11.31	1	10.41	1
4	JH 31947	-55.52	8	-0.37	5	10.94	4	10.49	4	-21.23	6	4.48	1	30.05	2	-2.97	6	8.46	2	67.89	7	2.38	6	6.96	2
5	JH 32010	-46.78	6	-4.73	7	12.66	3	-13.44	6	-25.96	7	-26.22	6	-22.43	6	-9.69	9	-9.65	7	126.6	2	-1.94	9	-6.81	6
6	BIO 605 (C)	13.28	1	-8.56	9	29.94	1	11.48	3	7.09	1	-11.3	4	-19.41	5	-4.18	7	-16.39	9	91.79	4	5.82	3	5.12	3
7	DKC 7074 (C)	-42.3	5	8.81	1	25.66	2	14.12	2	-0.92	3	-14.08	5	-35.31	10	21.68	1	-8.76	6	44.68	8	-2.84	10	0.05	4
8	PMH 5 (C)	-47.05	7	5.31	2	10.13	5	-39.26	10	-27.86	9	-40.87	9	-25.32	9	13.15	2	23.95	1	91.61	5	8.69	2	-13.44	9
9	VIVEK hybrid 45 (C)	-58.39	9	1.2	3	-19.32	9	-16.14	8	-5.54	5	-27.11	7	-24.82	8	6.99	3	-13.04	8	38.62	9	3.26	5	-11.05	8
10	Vivek hybrid 51 (C)	0	2	0	4	0	6	0	5	0	2	0	2	0	3	0	5	0	4	0	10	0	8	0	5

Table No. 17 (Contd.) **Moisture %**

S.No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	27	12	29	30	17	.	16	17	18	.
2	EH2891	15	16	25	11	27	30	18	16	15	15	18	19
3	FH-3823	16	16	25	11	23	23	17	16	16	15	18	18
4	JH 31947	15	16	25	13	27	25	19	17	16	19	18	19
5	JH 32010	15	16	25	12	28	29	18	17	16	19	18	19
6	BIO 605 (C)	14	16	26	11	27	30	18	16	16	18	18	19
7	DKC 7074 (C)	16	16	26	11	27	24	15	16	16	19	18	18
8	PMH 5 (C)	15	15	25	12	30	22	16	16	15	21	18	19
9	VIVEK hybrid 45 (C)	15	15	25	11	27	29	17	16	15	16	18	19
10	Vivek hybrid 51 (C)	16	15	27	13	27	25	19	15	15	15	18	19
	Location Mean	15	16	26	12	27	27	17	16	16	17	18	19
	CV (%)	6.2	1.6	5.0	6.9	10.4	15.0	0.0	1.6	5.3	0.0	0.0	8.6
	F (Prob)	0.4	0.0	0.5	0.0	0.4	0.1	0.0	0.0	1.0	0.0	.	0.0
	CD (5%)	1.6	0.4	2.2	1.4	4.9	6.9	0.0	0.5	1.4	0.0	0.0	.
	CD (1%)	2.3	0.6	3.0	1.9	6.7	9.5	0.0	0.6	2.0	0.0	0.0	.

Table No. 17 (Contd.) **Shelling %**

S. No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	76	85	63	83	75	.	76	85	77	.
2	EH2891	75	79	75	79	59	83	87	76	75	86	80	78
3	FH-3823	76	77	79	81	72	82	88	74	77	85	77	79
4	JH 31947	77	79	75	83	68	85	77	77	78	86	78	78
5	JH 32010	76	79	81	84	68	87	80	77	77	87	79	79
6	BIO 605 (C)	76	77	73	82	67	85	69	75	76	86	78	77
7	DKC 7074 (C)	77	80	76	77	72	77	74	77	76	85	78	77
8	PMH 5 (C)	78	79	74	82	64	82	77	79	76	85	77	77
9	VIVEK hybrid 45 (C)	78	79	78	80	72	85	74	77	78	86	78	79
10	Vivek hybrid 51 (C)	76	78	76	82	75	86	86	76	77	80	80	79
	Location Mean	77	78	76	82	68	83	79	76	76	85	78	78
	CV (%)	2.5	1.5	2.3	5.2	8.2	2.6	0.0	1.4	2.1	0.0	1.3	3.2
	F (Prob)	0.8	0.1	0.0	0.6	0.1	0.0	0.0	0.0	0.5	0.0	0.0	0.0
	CD (5%)	3.3	2.1	3.0	7.3	9.6	3.7	0.0	1.8	2.7	0.0	1.7	.
	CD (1%)	4.6	2.9	4.1	10.0	13.2	5.0	0.0	2.5	3.7	0.0	2.4	.

Table No. 17 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	48	59	47	45	47	.	50	53	45	.
2	EH2891	59	45	48	61	50	44	48	50	48	50	45	50
3	FH-3823	55	44	44	58	47	43	51	50	51	52	45	49
4	JH 31947	57	46	48	61	48	43	46	52	47	54	45	50
5	JH 32010	59	45	44	60	47	43	52	50	50	53	45	50
6	BIO 605 (C)	58	46	47	59	49	41	54	51	51	53	45	50
7	DKC 7074 (C)	58	46	48	61	47	44	49	51	47	54	45	50
8	PMH 5 (C)	56	44	44	57	46	41	55	50	53	53	45	49
9	VIVEK hybrid 45 (C)	56	45	45	59	47	42	52	50	51	52	45	50
10	Vivek hybrid 51 (C)	56	42	43	56	46	42	49	47	49	50	43	48
	Location Mean	57	45	46	59	48	43	50	50	50	52	45	49
	CV (%)	4.0	1.3	2.5	1.4	6.3	4.8	2.6	1.9	8.2	2.6	2.8	3.9
	F (Prob)	0.3	0.0	0.0	0.0	0.9	0.5	0.0	0.0	0.7	0.0	0.9	0.0
	CD (5%)	3.9	1.0	2.0	1.4	5.1	3.5	2.2	1.7	7.0	2.3	2.1	.
	CD (1%)	5.4	1.4	2.7	2.0	7.0	4.8	3.1	2.3	9.6	3.2	2.9	.

Table No. 17 (Contd.) **Days to 50 % silking**

S.No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	52	61	51	49	49	.	53	54	49	.
2	EH2891	62	48	52	61	55	48	50	53	51	51	49	53
3	FH-3823	58	47	47	60	53	47	53	54	54	53	49	52
4	JH 31947	59	49	52	62	53	48	48	55	50	55	49	53
5	JH 32010	62	48	48	61	50	48	55	53	53	55	49	53
6	BIO 605 (C)	60	49	52	60	54	47	57	54	53	55	49	54
7	DKC 7074 (C)	61	48	52	62	55	49	52	54	50	55	49	53
8	PMH 5 (C)	59	47	47	59	53	46	57	53	56	54	49	53
9	VIVEK hybrid 45 (C)	59	48	49	60	50	47	54	53	54	54	49	52
10	Vivek hybrid 51 (C)	59	45	47	56	49	46	51	50	51	52	47	50
	Location Mean	60	48	50	60	52	47	52	53	52	54	49	53
	CV (%)	3.4	1.2	1.9	1.4	2.9	3.5	2.9	1.8	7.6	2.5	2.3	3.2
	F (Prob)	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.6	0.0	0.7	0.0
	CD (5%)	3.5	1.0	1.7	1.4	2.6	2.8	2.6	1.7	6.9	2.3	1.9	.
	CD (1%)	4.8	1.4	2.3	2.0	3.6	3.9	3.5	2.3	9.4	3.1	2.6	.

Table No. 17 (Contd.) **Days to 75 % dry husk**

S.No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	83	98	70	98	80	.	87	90	88	.
2	EH2891	97	77	79	93	72	98	78	87	84	87	87	85
3	FH-3823	95	78	75	95	71	99	84	88	86	84	87	86
4	JH 31947	96	77	82	96	71	97	87	86	84	88	87	87
5	JH 32010	96	77	82	97	70	97	87	85	86	89	88	87
6	BIO 605 (C)	96	78	81	94	70	96	85	88	87	86	87	86
7	DKC 7074 (C)	97	77	82	96	71	97	78	87	85	84	87	86
8	PMH 5 (C)	97	75	77	93	71	95	89	85	88	87	87	86
9	VIVEK hybrid 45 (C)	95	77	77	95	71	95	84	85	87	85	87	85
10	Vivek hybrid 51 (C)	95	76	75	91	70	97	80	84	88	78	88	84
	Location Mean	96	77	79	95	71	97	83	86	86	86	87	86
	CV (%)	1.9	3.0	2.7	1.3	1.9	3.2	2.1	1.7	3.8	2.9	0.5	2.5
	F (Prob)	0.8	0.8	0.0	0.0	0.6	0.8	0.0	0.0	0.8	0.0	0.3	0.0
	CD (5%)	3.1	4.0	3.7	2.1	2.3	5.3	3.0	2.5	5.7	4.3	0.8	.
	CD (1%)	4.3	5.5	5.1	2.8	3.1	7.2	4.1	3.5	7.8	5.9	1.1	.

Table No. 17 (Contd.) **Ears (Number)**

S.No.	Entry	CWZ										
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	42	55	117	69	68	.	72	109	.
2	EH2891	71	109	90	93	106	90	72	102	79	113	95
3	FH-3823	78	97	110	104	117	112	78	99	89	111	102
4	JH 31947	43	96	99	91	108	116	92	95	96	109	100
5	JH 32010	52	94	98	79	105	95	74	92	83	111	92
6	BIO 605 (C)	79	99	118	99	117	100	65	99	74	111	98
7	DKC 7074 (C)	55	103	102	103	115	106	69	102	87	114	100
8	PMH 5 (C)	56	96	100	92	109	71	83	95	97	112	95
9	VIVEK hybrid 45 (C)	40	97	86	86	114	82	80	96	79	108	92
10	Vivek hybrid 51 (C)	83	97	106	86	113	108	73	93	85	109	97
	Location Mean	62	99	95	89	112	95	75	97	84	111	95
	CV (%)	48.6	6.1	10.1	11.7	6.2	24.3	9.3	3.8	26.3	3.8	13.0
	F (Prob)	0.6	0.2	0.0	0.0	0.3	0.2	0.0	0.0	0.9	0.8	0.0
	CD (5%)	52.2	10.4	16.4	17.8	11.9	39.5	11.9	6.4	38.0	7.3	.
	CD (1%)	71.9	14.3	22.5	24.4	16.3	54.1	16.3	8.8	52.0	9.9	.

Table No. 17 (Contd.) **Initial Plant Stand**

S.No.	Entry	CWZ						
		Ambi_CG	Bans_RJ	Dahod_RJ	Chind_MP	Kota_RJ	Raipur_CH	Godh_GJ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	113	66	68	.	78	.
2	EH2891	112	109	89	76	106	84	96
3	FH-3823	104	114	105	81	104	93	100
4	JH 31947	99	110	111	87	100	102	102
5	JH 32010	99	110	95	74	97	89	94
6	BIO 605 (C)	105	109	96	79	104	78	95
7	DKC 7074 (C)	107	118	97	83	104	91	100
8	PMH 5 (C)	103	114	93	89	101	105	101
9	VIVEK hybrid 45 (C)	100	110	78	75	99	86	91
10	Vivek hybrid 51 (C)	99	113	104	85	98	90	98
	Location Mean	103	112	93	80	102	90	96
	CV (%)	5.4	4.9	16.7	11.4	4.7	25.7	13.0
	F (Prob)	0.1	0.6	0.1	0.2	0.3	0.9	0.0
	CD (5%)	9.6	9.5	26.8	15.5	8.3	39.5	.
	CD (1%)	13.2	13.0	36.7	21.2	11.5	54.1	.

Table No. 17 (Contd.) **Final Plant Stand**

S.No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitar_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	40	33	78	46	47	.	51	65	63	.
2	EH2891	49	75	79	56	74	62	53	72	56	64	62	65
3	FH-3823	56	68	90	57	78	73	56	69	63	71	63	69
4	JH 31947	30	67	82	52	75	77	60	66	68	56	63	67
5	JH 32010	37	65	79	45	74	66	51	64	60	71	63	64
6	BIO 605 (C)	55	70	89	58	77	67	55	68	52	63	61	66
7	DKC 7074 (C)	39	73	80	58	79	68	58	70	61	64	63	67
8	PMH 5 (C)	40	68	75	55	78	64	61	66	70	64	62	66
9	VIVEK hybrid 45 (C)	28	67	72	49	75	54	52	66	56	62	62	62
10	Vivek hybrid 51 (C)	58	64	83	49	76	72	59	65	61	64	63	66
	Location Mean	44	69	77	51	76	65	55	67	60	64	63	65
	CV (%)	48.9	5.9	14.0	10.8	5.1	16.7	11.4	4.5	26.5	6.7	1.3	12.0
	F (Prob)	0.6	0.1	0.0	0.0	0.7	0.1	0.2	0.1	0.9	0.0	0.1	0.0
	CD (5%)	36.8	7.0	18.5	9.5	6.7	18.6	10.8	5.2	27.2	7.4	1.4	.
	CD (1%)	50.8	9.7	25.3	13.0	9.2	25.5	14.7	7.2	37.3	10.2	1.9	.

Table No. 17 (Contd.) **Plant Height**

S.No.	Entry	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	135	123	210	184	176	.	233	193	209	.
2	EH2891	170	205	161	139	178	192	168	187	228	197	206	185
3	FH-3823	147	223	141	132	221	192	165	197	237	167	200	184
4	JH 31947	163	207	166	135	212	205	177	197	238	187	207	190
5	JH 32010	157	205	179	142	190	215	169	192	248	212	209	193
6	BIO 605 (C)	179	207	173	155	205	201	168	212	214	213	207	194
7	DKC 7074 (C)	140	207	162	132	229	197	164	185	223	173	202	183
8	PMH 5 (C)	144	208	164	133	210	192	170	195	237	177	206	185
9	VIVEK hybrid 45 (C)	152	217	131	119	193	179	161	191	249	153	210	178
10	Vivek hybrid 51 (C)	173	217	149	137	209	166	175	193	274	162	207	187
	Location Mean	158	211	156	135	206	192	169	194	238	183	206	186
	CV (%)	10.7	5.4	3.6	4.4	15.0	13.7	2.7	4.5	11.2	10.5	2.0	9.4
	F (Prob)	0.1	0.5	0.0	0.0	0.7	0.6	0.0	0.1	0.4	0.0	0.2	0.0
	CD (5%)	29.3	19.6	9.7	10.2	53.0	45.2	8.0	15.0	45.9	33.0	7.2	.
	CD (1%)	40.4	27.0	13.2	13.9	72.6	61.9	10.9	20.7	62.9	45.2	9.8	.

Table No. 17 (Contd.) **Ear Height**

S.No.	Entry	CWZ										
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	DH-313	.	.	52.3	49.7	71.6	76.7	76.7	.	94.1	89.3	.
2	EH2891	59	102	71	63	80	94	69	95	90	85	81
3	FH-3823	52	105	55	48	78	93	60	108	98	67	76
4	JH 31947	58	105	82	65	77	114	77	96	98	95	86
5	JH 32010	54	100	85	70	97	116	70	102	109	97	90
6	BIO 605 (C)	62	105	83	72	102	100	66	98	89	93	87
7	DKC 7074 (C)	50	102	76	64	90	106	65	94	92	85	82
8	PMH 5 (C)	49	108	76	54	102	99	69	99	94	80	83
9	VIVEK hybrid 45 (C)	53	107	56	46	66	88	61	107	99	62	74
10	Vivek hybrid 51 (C)	62	105	73	65	84	108	76	99	119	77	87
	Location Mean	55	104	71	60	85	99	69	100	98	83	82
	CV (%)	13.1	8.4	5.1	5.2	15.3	11.5	5.2	7.3	14.0	13.0	11.1
	F (Prob)	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0
	CD (5%)	12.5	15.2	6.2	5.3	22.2	19.7	6.2	12.5	23.6	18.5	.
	CD (1%)	17.3	20.9	8.5	7.3	30.3	26.9	8.5	17.2	32.3	25.4	.

Table No. 18: Trial No. 511 (Late Maturity) AVT-I-II Yield (kg/ha)

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Bhiloda_GJ		Chind_MP		Chitarkot_MP		Dahod_RJ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	BIO 218	10171	1	8864	1	7154	4	5468	2	5093	6	12057	3
2	DKC9185(IR8449)	8536	4	8246	2	7557	2	4519	5	5263	4	11493	6
3	HT17169	9695	2	6694	8	6234	8	3921	9	5486	3	10433	9
4	JH 16040	7938	9	7434	5	6987	5	4435	6	4984	7	13307	2
5	JH 16081	8147	5	7981	3	7459	3	4404	7	5975	1	10744	8
6	SUPER1818	8145	6	7269	6	6531	7	6978	1	5686	2	11909	4
7	BIO 9682 (C)	8063	8	7881	4	6703	6	5290	3	4706	8	13886	1
8	CMH 08-282 (C)	8689	3	6826	7	6194	9	4686	4	5242	5	11039	7
9	CMH 08-287 (C)	8087	7	6626	9	7580	1	4304	8	4415	9	11769	5
	Location Mean	8608	.	7536	.	6933	.	4889	.	5206	.	11849	.
	CV (%)	9.6	.	7.7	.	11.3	.	19.5	.	14.3	.	12.3	.
	F (Prob)	0.0	.	0.0	.	0.3	.	0.0	.	0.3	.	0.2	.
	CD (5%)	1428.2	.	1001.3	.	1357.1	.	1649.4	.	1291.1	.	2527.2	.
	CD (1%)	1967.7	.	1379.6	.	1869.8	.	2272.5	.	1778.9	.	3482.0	.

Table No. 18: (Contd.) Yield (kg/ha)

S. No.	Entry Name	CWZ											
		Godhara_GJ		Kota_RJ		Raipur_CH		Udaipur_Raj		Ujjain_MP		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	BIO 218	6259	1	3761	1	6435	5	4111	8	6794	7	7241	1
2	DKC9185(IR8449)	6172	3	3458	2	5375	9	5662	4	7107	6	6993	5
3	HT17169	5894	6	2789	9	6855	1	3398	9	7390	1	6600	9
4	JH 16040	5359	7	3107	5	5622	7	5868	1	6789	8	6873	6
5	JH 16081	6222	2	3356	3	6353	6	5755	2	7113	5	7015	4
6	SUPER1818	6039	4	3041	7	6548	4	5668	3	7290	3	7206	2
7	BIO 9682 (C)	6011	5	3308	4	5377	8	5555	6	7256	4	7073	3
8	CMH 08-282 (C)	4914	9	2884	8	6654	3	5366	7	6690	9	6630	8
9	CMH 08-287 (C)	5113	8	3059	6	6762	2	5565	5	7296	2	6752	7
	Location Mean	5776	.	3196	.	6220	.	5217	.	7080	.	6931	.
	CV (%)	18.4	.	8.4	.	20.7	.	13.4	.	3.3	.	13.4	.
	F (Prob)	0.7	.	0.0	.	0.7	.	0.0	.	0.0	.	0.1	.
	CD (5%)	1838.8	.	463.7	.	2230.2	.	1208.8	.	406.3	.	471.7	.
	CD (1%)	2533.5	.	638.8	.	3072.8	.	1665.5	.	559.8	.	622.7	.

Table No. 18 (Contd.) **Gain in Yield(%) over BIO 9682 (C)**

S. No.	Entry Name	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitarkot_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raipur_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 218	26.15	1	12.47	1	6.72	4	3.36	2	8.23	6	-13.17	3	4.12	1	13.68	1	19.66	5	-25.99	8	-6.36	7	2.37	1
2	DKC9185(IR8449)	5.87	4	4.63	2	12.73	2	-14.58	5	11.84	4	-17.23	6	2.67	3	4.52	2	-0.04	9	1.93	4	-2.05	6	-1.13	5
3	HT17169	20.24	2	-15.06	8	-7.01	8	-25.88	9	16.57	3	-24.86	9	-1.95	6	-15.68	9	27.48	1	-38.82	9	1.85	1	-6.69	9
4	JH 16040	-1.55	9	-5.67	5	4.23	5	-16.15	6	5.91	7	-4.16	2	-10.85	7	-6.09	5	4.55	7	5.64	1	-6.44	8	-2.83	6
5	JH 16081	1.05	5	1.28	3	11.27	3	-16.74	7	26.95	1	-22.63	8	3.5	2	1.44	3	18.13	6	3.61	2	-1.97	5	-0.81	4
6	SUPER1818	1.03	6	-7.76	6	-2.57	7	31.92	1	20.82	2	-14.23	4	0.45	4	-8.09	7	21.76	4	2.04	3	0.48	3	1.89	2
7	BIO 9682 (C)	0	8	0	4	0	6	0	3	0	8	0	1	0	5	0	4	0	8	0	6	0	4	0	3
8	CMH 08-282 (C)	7.77	3	-13.38	7	-7.6	9	-11.42	4	11.38	5	-20.5	7	-18.26	9	-12.81	8	23.73	3	-3.4	7	-7.8	9	-6.26	8
9	CMH 08-287 (C)	0.3	7	-15.93	9	13.08	1	-18.64	8	-6.18	9	-15.24	5	-14.95	8	-7.53	6	25.74	2	0.19	5	0.55	2	-4.54	7

Table No. 18 (Contd.) **Gain in Yield(%) over CMH 08-282 (C)**

S. No.	Entry Name	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raipur_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 218	17.05	1	29.85	1	15.5	4	16.68	2	-2.83	6	9.22	3	27.39	1	30.38	1	-3.29	5	-23.39	8	1.56	7	9.21	1
2	DKC9185(IR8449)	-1.76	4	20.79	2	22	2	-3.56	5	0.41	4	4.1	6	25.61	3	19.88	2	-19.22	9	5.51	4	6.24	6	5.47	5
3	HT17169	11.57	2	-1.94	8	0.64	8	-16.32	9	4.66	3	-5.49	9	19.96	6	-3.29	9	3.03	1	-36.67	9	10.47	1	-0.45	9
4	JH 16040	-8.65	9	8.91	5	12.8	5	-5.34	6	-4.91	7	20.54	2	9.07	7	7.71	5	-15.5	7	9.36	1	1.47	8	3.66	6
5	JH 16081	-6.24	5	16.92	3	20.42	3	-6.01	7	13.98	1	-2.68	8	26.63	2	16.34	3	-4.53	6	7.25	2	6.32	5	5.81	4
6	SUPER1818	-6.26	6	6.49	6	5.45	7	48.92	1	8.47	2	7.88	4	22.9	4	5.41	7	-1.6	4	5.63	3	8.98	3	8.7	2
7	BIO 9682 (C)	-7.21	8	15.45	4	8.22	6	12.89	3	-10.22	8	25.78	1	22.34	5	14.69	4	-19.18	8	3.52	6	8.46	4	6.68	3
8	CMH 08-282 (C)	0	3	0	7	0	9	0	4	0	5	0	7	0	9	0	8	0	3	0	7	0	9	0	8
9	CMH 08-287 (C)	-6.94	7	-2.94	9	22.38	1	-8.15	8	-15.77	9	6.61	5	4.05	8	6.06	6	1.62	2	3.71	5	9.05	2	1.83	7

Table No. 18 (Contd.) **Gain in Yield(%) over CMH 08-287 (C)**

S. No.	Entry Name	CWZ																							
		Ambi_CG		Bans_RJ		Bhiloda_GJ		Chind_MP		Chitar_MP		Dahod_RJ		Godh_GJ		Kota_RJ		Raipur_CH		Udai_Raj		Ujjain_MP		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 218	25.78	1	33.78	1	-5.62	4	27.04	2	15.36	6	2.45	3	22.43	1	22.94	1	-4.83	5	-26.12	8	-6.87	7	7.24	1
2	DKC9185(IR8449)	5.56	4	24.45	2	-0.31	2	5	5	19.2	4	-2.35	6	20.72	3	13.03	2	-20.51	9	1.74	4	-2.58	6	3.57	5
3	HT17169	19.88	2	1.03	8	-17.77	8	-8.9	9	24.25	3	-11.35	9	15.28	6	-8.82	9	1.38	1	-38.93	9	1.29	1	-2.25	9
4	JH 16040	-1.84	9	12.2	5	-7.83	5	3.06	6	12.89	7	13.07	2	4.82	7	1.56	5	-16.85	7	5.45	1	-6.95	8	1.79	6
5	JH 16081	0.75	5	20.46	3	-1.6	3	2.33	7	35.31	1	-8.71	8	21.7	2	9.7	3	-6.05	6	3.41	2	-2.51	5	3.91	4
6	SUPER1818	0.73	6	9.72	6	-13.84	7	62.14	1	28.78	2	1.19	4	18.11	4	-0.61	7	-3.17	4	1.86	3	-0.07	3	6.74	2
7	BIO 9682 (C)	-0.3	8	18.94	4	-11.57	6	22.91	3	6.59	8	17.99	1	17.58	5	8.14	4	-20.47	8	-0.18	6	-0.55	4	4.76	3
8	CMH 08-282 (C)	7.45	3	3.03	7	-18.29	9	8.87	4	18.72	5	-6.2	7	-3.9	9	-5.71	8	-1.6	3	-3.58	7	-8.3	9	-1.8	8
9	CMH 08-287 (C)	0	7	0	9	0	1	0	8	0	9	0	5	0	8	0	6	0	2	0	5	0	2	0	7

Table No. 18 (Contd.) **Moisture%**

S. No.	Entry Name	CWZ											
		Ambi_CG	Banswara_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	16	18	31	15	23	29	16	18	15	24	18	20
2	DKC9185(IR8449)	16	18	27	12	25	30	16	17	15	24	18	20
3	HT17169	15	17	30	14	30	30	17	17	15	23	18	21
4	JH 16040	15	18	25	13	26	16	16	17	16	23	18	19
5	JH 16081	15	18	21	14	25	29	16	17	16	24	18	19
6	SUPER1818	16	18	25	15	19	29	16	17	15	25	18	19
7	BIO 9682 (C)	15	17	24	13	23	16	15	17	15	24	18	18
8	CMH 08-282 (C)	15	18	22	13	25	31	17	17	15	22	18	19
9	CMH 08-287 (C)	15	17	26	14	26	18	15	17	15	20	18	18
	Location Mean	15	17	26	14	25	25	16	17	15	23	18	19
	CV (%)	4.3	1.7	8.8	9.2	16.5	3.8	3.4	1.4	3.8	0.0	0.0	7.9
	F (Prob)	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.0	.	0.0
	CD (5%)	1.1	0.5	3.9	2.2	7.0	1.7	0.9	0.4	1.0	0.0	0.0	0.7
	CD (1%)	1.6	0.7	5.4	3.0	9.6	2.3	1.3	0.6	1.4	0.0	0.0	1.0

Table No. 18 (Contd.) **Shelling %**

S. No.	Entry Name	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Kota_RJ	Rai_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	76	80	75	78	75	85	84	79	75	80	79	79
2	DKC9185(IR8449)	77	79	77	84	79	85	78	77	76	82	79	79
3	HT17169	77	79	73	77	78	85	85	77	77	80	80	79
4	JH 16040	76	81	76	77	76	85	85	78	76	81	80	79
5	JH 16081	77	80	77	81	80	86	85	77	75	81	80	80
6	SUPER1818	76	80	71	78	74	85	84	78	76	81	77	78
7	BIO 9682 (C)	76	78	76	81	75	84	82	76	75	81	80	78
8	CMH 08-282 (C)	76	79	73	79	76	90	86	76	75	81	80	79
9	CMH 08-287 (C)	77	78	75	76	71	82	78	76	76	82	80	77
	Location Mean	77	79	75	79	76	85	83	77	76	81	79	79
	CV (%)	1.7	0.5	2.1	6.0	5.8	2.5	3.7	1.0	1.6	0.0	1.7	3.1
	F (Prob)	0.8	0.0	0.0	0.6	0.4	0.1	0.1	0.0	0.6	0.0	0.4	0.0
	CD (5%)	2.3	0.7	2.8	8.2	7.6	3.7	5.4	1.3	2.1	0.0	2.4	1.2
	CD (1%)	3.2	1.0	3.8	11.2	10.5	5.1	7.4	1.8	2.8	0.0	3.2	1.5

Table No. 18 (Contd.) **Days to 50% pollen shed**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitar_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raipur_CH	Udaipur_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	55	50	51	63	56	50	51	59	58	52	56	55	55
2	DKC9185(IR8449)	54	50	50	63	54	50	49	60	56	53	58	54	54
3	HT17169	56	50	53	64	54	53	52	60	55	53	56	55	55
4	JH 16040	56	50	49	63	56	52	56	59	55	52	58	55	55
5	JH 16081	54	51	52	62	57	51	50	60	54	52	58	53	55
6	SUPER1818	55	51	52	63	58	51	57	59	58	53	59	55	56
7	BIO 9682 (C)	55	51	50	63	56	48	50	59	58	53	58	55	55
8	CMH 08-282 (C)	53	48	50	61	53	47	48	56	54	54	57	54	53
9	CMH 08-287 (C)	56	50	51	63	55	51	57	59	53	53	56	55	55
	Location Mean	55	50	51	63	55	50	52	59	56	53	57	54	55
	CV (%)	2.5	1.9	2.1	1.4	3.2	4.5	7.8	1.9	4.2	4.7	2.0	1.3	3.5
	F (Prob)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	1.0	0.0	0.2	0.0
	CD (5%)	2.3	1.6	1.8	1.5	3.1	3.9	7.0	1.9	4.0	4.3	2.0	1.2	0.9
	CD (1%)	3.2	2.2	2.5	2.1	4.2	5.4	9.7	2.7	5.5	6.0	2.7	1.7	1.2

Table No. 18 (Contd.) **Days to 50 % Silking**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitar_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raip_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	58	53	54	63	59	53	54	62	61	55	58	59	58
2	DKC9185(IR8449)	57	52	54	64	59	54	52	65	59	56	60	58	57
3	HT17169	59	53	56	65	58	56	55	64	58	56	58	59	58
4	JH 16040	59	53	53	64	60	57	59	63	58	55	60	60	58
5	JH 16081	57	53	56	63	59	55	52	64	57	54	68	57	58
6	SUPER1818	58	54	55	64	61	55	60	63	61	55	61	60	59
7	BIO 9682 (C)	58	54	53	64	61	51	53	64	61	56	59	59	58
8	CMH 08-282 (C)	55	51	54	62	56	51	50	60	58	56	59	59	56
9	CMH 08-287 (C)	58	53	54	64	60	55	59	63	56	56	59	60	58
	Location Mean	58	53	54	64	59	54	55	63	59	55	60	59	58
	CV (%)	2.1	1.6	1.7	1.2	4.3	4.3	7.3	2.3	3.9	5.4	9.0	1.2	4.4
	F (Prob)	0.1	0.1	0.0	0.0	0.4	0.1	0.1	0.0	0.1	1.0	0.5	0.0	0.0
	CD (5%)	2.1	1.5	1.6	1.4	4.4	4.0	7.0	2.5	4.0	5.2	9.4	1.3	1.2
	CD (1%)	2.8	2.0	2.2	1.9	6.0	5.5	9.6	3.4	5.5	7.2	12.9	1.7	1.6

Table No. 18 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	101	92	88	102	91	99	79	97	99	99	90	94	94
2	DKC9185(IR8449)	101	93	88	102	91	100	82	100	98	100	97	94	96
3	HT17169	100	94	88	101	89	98	84	100	96	98	90	93	94
4	JH 16040	100	92	86	103	90	99	84	100	94	98	96	94	95
5	JH 16081	97	92	87	101	89	98	80	96	92	99	91	95	93
6	SUPER1818	99	93	88	102	90	99	81	99	97	98	97	94	95
7	BIO 9682 (C)	101	95	88	101	92	98	82	99	97	99	94	94	95
8	CMH 08-282 (C)	97	90	85	99	90	93	79	95	91	99	92	95	92
9	CMH 08-287 (C)	100	92	87	100	91	95	85	96	95	99	93	93	94
	Location Mean	100	93	87	101	90	98	82	98	95	99	93	94	94
	CV (%)	1.6	1.7	1.8	1.2	2.4	3.2	3.0	1.3	1.8	3.6	3.1	0.8	2.3
	F (Prob)	0.0	0.1	0.2	0.0	0.7	0.3	0.1	0.0	0.0	1.0	0.0	0.1	0.0
	CD (5%)	2.8	2.7	2.6	2.2	3.8	5.5	4.3	2.2	3.0	6.1	5.0	1.3	1.0
	CD (1%)	3.8	3.8	3.6	3.0	5.2	7.5	5.9	3.0	4.2	8.4	6.8	1.7	1.3

Table No. 18 (Contd.) **Ears Number**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	113	97	105	92	105	105	81	117	98	100	90	114	101
2	DKC9185(IR8449)	103	99	110	87	105	115	97	111	92	95	84	114	101
3	HT17169	113	95	104	79	108	103	91	114	99	111	98	115	102
4	JH 16040	103	93	101	89	106	117	80	114	90	93	95	110	99
5	JH 16081	103	101	106	71	102	101	80	103	95	104	102	115	99
6	SUPER1818	110	98	101	110	109	115	87	111	100	107	92	111	104
7	BIO 9682 (C)	102	92	106	99	104	117	87	120	93	93	90	117	102
8	CMH 08-282 (C)	106	97	103	80	105	107	72	112	94	108	91	104	98
9	CMH 08-287 (C)	107	89	113	85	100	105	82	118	94	110	91	115	101
	Location Mean	107	96	105	88	105	109	84	113	95	102	93	113	101
	CV (%)	5.4	8.4	8.1	12.7	4.9	11.6	7.9	6.1	4.6	12.6	11.2	4.5	8.6
	F (Prob)	0.2	0.7	0.7	0.0	0.5	0.6	0.0	0.2	0.2	0.5	0.6	0.2	0.1
	CD (5%)	9.9	13.9	14.8	19.3	8.8	22.0	11.5	11.9	7.6	22.4	18.0	8.7	4.0
	CD (1%)	13.6	19.2	20.4	26.5	12.2	30.2	15.8	16.3	10.5	30.8	24.8	12.0	5.3

Table No. 18 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	CWZ						
		Banswara_RJ	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Kota_RJ	Raipur_CH	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	100	108	106	87	102	106	101
2	DKC9185(IR8449)	100	111	111	105	96	100	104
3	HT17169	98	114	94	92	99	117	103
4	JH 16040	96	111	114	84	95	97	100
5	JH 16081	103	99	98	90	99	111	100
6	SUPER1818	103	113	110	95	104	111	106
7	BIO 9682 (C)	93	110	110	96	100	100	101
8	CMH 08-282 (C)	99	109	99	77	99	115	100
9	CMH 08-287 (C)	92	108	99	92	95	114	100
	Location Mean	98	109	105	91	99	108	102
	CV (%)	7.0	5.7	11.5	7.9	4.3	11.8	8.6
	F (Prob)	0.5	0.3	0.5	0.0	0.2	0.5	0.4
	CD (5%)	11.9	10.8	20.7	12.4	7.4	22.1	5.8
	CD (1%)	16.3	14.9	28.5	17.0	10.2	30.4	7.7

Table No. 18 (Contd.) **Final Plant Stand**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	64	67	81	54	71	73	63	70	68	56	64	62	66
2	DKC9185(IR8449)	58	67	82	53	71	77	76	66	64	54	57	61	66
3	HT17169	64	66	77	57	73	66	69	68	67	63	69	62	67
4	JH 16040	58	64	73	51	72	79	61	70	63	53	64	61	64
5	JH 16081	58	69	74	37	67	68	67	62	67	60	70	61	63
6	SUPER1818	57	69	80	64	72	76	70	66	68	61	63	62	67
7	BIO 9682 (C)	58	62	81	56	70	76	71	71	66	54	62	61	66
8	CMH 08-282 (C)	59	67	80	47	71	69	58	67	67	61	65	61	64
9	CMH 08-287 (C)	59	62	79	51	70	69	67	70	64	62	63	62	65
	Location Mean	59	66	79	52	71	73	67	68	66	58	64	61	65
	CV (%)	6.4	7.0	10.4	14.5	5.2	11.5	7.2	5.8	4.4	11.9	11.5	1.7	8.8
	F (Prob)	0.3	0.4	0.9	0.0	0.7	0.5	0.0	0.2	0.4	0.4	0.6	0.6	0.1
	CD (5%)	6.6	8.0	14.2	13.1	6.3	14.4	8.3	6.8	5.1	11.9	12.8	1.8	2.7
	CD (1%)	9.1	11.0	19.5	18.0	8.7	19.8	11.5	9.3	7.0	16.5	17.6	2.5	3.5

Table No. 18 (Contd.) **Plant Height**

S. No.	Entry Name	CWZ												
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godh_GJ	Jagdal_CH	Kota_RJ	Raipur_CH	Udai_Raj	Ujjain_MP	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	277	272	191	178	165	219	171	197	245	264	213	222	218
2	DKC9185(IR8449)	273	240	202	174	161	214	171	192	223	263	220	222	213
3	HT17169	272	223	163	152	150	209	173	186	200	252	217	207	200
4	JH 16040	244	238	180	147	145	215	163	193	214	272	220	210	203
5	JH 16081	277	247	188	176	170	216	175	192	225	261	233	220	215
6	SUPER1818	267	225	178	162	145	213	167	198	215	257	208	211	204
7	BIO 9682 (C)	243	222	163	149	143	202	174	168	203	241	208	212	194
8	CMH 08-282 (C)	285	235	198	177	165	214	170	203	227	261	235	219	216
9	CMH 08-287 (C)	284	238	201	168	168	227	158	196	225	279	242	219	217
	Location Mean	269	238	185	165	157	214	169	192	220	261	222	216	209
	CV (%)	3.3	7.1	4.9	5.9	10.7	5.2	7.2	4.7	5.5	7.2	11.4	3.8	6.7
	F (Prob)	0.0	0.1	0.0	0.0	0.3	0.4	0.7	0.0	0.0	0.5	0.7	0.3	0.0
	CD (5%)	15.4	29.1	15.6	16.8	28.9	19.2	20.9	15.6	21.0	32.7	43.9	14.2	6.6
	CD (1%)	21.2	40.1	21.5	23.2	39.9	26.5	28.8	21.5	29.0	45.0	60.5	19.6	8.6

Table No. 18 (Contd.) **Ear Height**

S. No.	Entry Name	CWZ											
		Ambi_CG	Bans_RJ	Bhiloda_GJ	Chind_MP	Chitarkot_MP	Dahod_RJ	Godhara_GJ	Jagdalpur_CH	Kota_RJ	Raipur_CH	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 218	101	142	95	84	81	102	69	38	131	113	120	98
2	DKC9185(IR8449)	98	112	103	81	82	114	67	44	131	114	107	96
3	HT17169	104	122	76	62	81	105	72	45	109	104	107	90
4	JH 16040	94	130	90	71	72	113	64	42	121	116	107	93
5	JH 16081	111	128	93	84	77	107	71	41	134	109	115	97
6	SUPER1818	96	110	88	72	65	105	65	44	115	106	133	91
7	BIO 9682 (C)	84	115	85	72	71	107	73	41	108	100	93	86
8	CMH 08-282 (C)	121	123	93	85	89	114	68	41	127	107	110	98
9	CMH 08-287 (C)	125	130	107	84	92	123	58	43	136	125	118	104
	Location Mean	104	124	92	77	79	110	68	42	124	110	112	95
	CV (%)	5.0	11.8	6.5	8.2	11.7	8.1	15.6	4.9	7.8	11.2	23.7	12.5
	F (Prob)	0.0	0.2	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.4	0.8	0.0
	CD (5%)	9.0	25.3	10.3	10.9	15.9	15.4	18.2	3.6	16.6	21.4	46.1	5.8
	CD (1%)	12.4	34.8	14.3	15.0	21.9	21.2	25.1	4.9	22.9	29.5	63.5	7.6

Table No. 19: Trial No. 438 (QPM-I-II-III) Zone 1 Yield (Kg/ha)

S. NO.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APH 1	9195	10	4451	7	6211	3	8042	4	6612	7	7515	7	7515	7
2	APH 2	9099	11	6557	1	5508	11	6357	14	5096	13	6515	15	6515	15
3	APQH 1	12711	2	3461	10	6106	5	7678	7	6598	8	8273	3	8273	3
4	APQH 5	7837	15	5301	4	4631	14	8589	3	5270	10	6582	13	6582	13
5	EHQ 64	11904	3	4329	8	5565	10	6483	13	5263	11	7303	9	7303	9
6	EHQ 640	9688	9	2080	15	4487	15	6648	12	5736	9	6640	12	6640	12
7	IMHQPM 1530	12776	1	2541	12	6075	6	7009	10	8891	1	8688	1	8688	1
8	LQPMH 118	10610	4	4092	9	6971	1	5928	15	6912	6	7605	5	7605	5
9	PPH27	10168	7	5577	3	6640	2	8869	2	7535	5	8303	2	8303	2
10	APQH 9 (C)	8207	13	2323	14	6185	4	7771	6	7874	3	7509	8	7509	8
11	HQPM 1 (C)	10025	8	2577	11	5601	9	7653	8	5192	12	7118	11	7118	11
12	HQPM5 (C)	8700	12	5611	2	4705	13	7976	5	4762	14	6536	14	6536	14
13	HQPM 7 (C)	10534	6	4689	6	6047	7	7500	9	4649	15	7183	10	7183	10
14	Vivek Hybrid 27 (C)	10570	5	4926	5	5928	8	6682	11	8250	2	7858	4	7858	4
15	Vivek QPM 9 (C)	7983	14	2503	13	5478	12	9044	1	7748	4	7563	6	7563	6
	Location Mean	10000	.	4068	.	5743	.	7482	.	6426	.	7413	.	7413	.
	CV (%)	6.2	.	42.2	.	12.8	.	17.7	.	12.2	.	12.2	.	12.2	.
	F (Prob)	0.0	.	0.1	.	0.0	.	0.2	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1041.2	.	2873.0	.	1226.7	.	2213.5	.	1313.3	.	734.0	.	734.0	.
	CD (1%)	1404.6	.	3875.6	.	1654.8	.	2985.9	.	1771.6	.	970.7	.	970.7	.

Table No. 19 (Contd.) **% superiority over APQH 9 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	12.0	10.0	91.6	7.0	0.4	3.0	3.5	4.0	-16.0	7.0	0.1	7.0	0.1	7.0
2	APH 2	10.9	11.0	182.3	1.0	-10.9	11.0	-18.2	14.0	-35.3	13.0	-13.2	15.0	-13.2	15.0
3	APQH 1	54.9	2.0	49.0	10.0	-1.3	5.0	-1.2	7.0	-16.2	8.0	10.2	3.0	10.2	3.0
4	APQH 5	-4.5	15.0	128.2	4.0	-25.1	14.0	10.5	3.0	-33.1	10.0	-12.4	13.0	-12.4	13.0
5	EHQ 64	45.1	3.0	86.4	8.0	-10.0	10.0	-16.6	13.0	-33.2	11.0	-2.7	9.0	-2.7	9.0
6	EHQ 640	18.1	9.0	-10.5	15.0	-27.5	15.0	-14.5	12.0	-27.2	9.0	-11.6	12.0	-11.6	12.0
7	HQPM5 (Check)	6.0	12.0	141.5	2.0	-23.9	13.0	2.6	5.0	-39.5	14.0	-13.0	14.0	-13.0	14.0
8	IMHQPM 1530	55.7	1.0	9.4	12.0	-1.8	6.0	-9.8	10.0	12.9	1.0	15.7	1.0	15.7	1.0
9	LQPMH 118	29.3	4.0	76.1	9.0	12.7	1.0	-23.7	15.0	-12.2	6.0	1.3	5.0	1.3	5.0
10	PPH27	23.9	7.0	140.1	3.0	7.4	2.0	14.1	2.0	-4.3	5.0	10.6	2.0	10.6	2.0
11	APQH 9 (Check)	0.0	13.0	0.0	14.0	0.0	4.0	0.0	6.0	0.0	3.0	0.0	8.0	0.0	8.0
12	HQPM 1 (Check)	22.2	8.0	10.9	11.0	-9.4	9.0	-1.5	8.0	-34.1	12.0	-5.2	11.0	-5.2	11.0
13	HQPM 7 (Check)	28.4	6.0	101.9	6.0	-2.2	7.0	-3.5	9.0	-41.0	15.0	-4.3	10.0	-4.3	10.0
14	Vivek Hybrid 27 (C)	28.8	5.0	112.1	5.0	-4.2	8.0	-14.0	11.0	4.8	2.0	4.6	4.0	4.6	4.0
15	Vivek QPM 9 (C)	-2.7	14.0	7.7	13.0	-11.4	12.0	16.4	1.0	-1.6	4.0	0.7	6.0	0.7	6.0

Table No. 19 (Contd.) **% superiority over HQPM 1 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-8.3	10.0	72.8	7.0	10.9	3.0	5.1	4.0	27.4	7.0	5.6	7.0	5.6	7.0
2	APH 2	-9.2	11.0	154.5	1.0	-1.7	11.0	-16.9	14.0	-1.8	13.0	-8.5	15.0	-8.5	15.0
3	APQH 1	26.8	2.0	34.3	10.0	9.0	5.0	0.3	7.0	27.1	8.0	16.2	3.0	16.2	3.0
4	APQH 5	-21.8	15.0	105.8	4.0	-17.3	14.0	12.2	3.0	1.5	10.0	-7.5	13.0	-7.5	13.0
5	EHQ 64	18.7	3.0	68.0	8.0	-0.7	10.0	-15.3	13.0	1.4	11.0	2.6	9.0	2.6	9.0
6	EHQ 640	-3.4	9.0	-19.3	15.0	-19.9	15.0	-13.1	12.0	10.5	9.0	-6.7	12.0	-6.7	12.0
7	HQPM5 (Check)	-13.2	12.0	117.8	2.0	-16.0	13.0	4.2	5.0	-8.3	14.0	-8.2	14.0	-8.2	14.0
8	IMHQPM 1530	27.4	1.0	-1.4	12.0	8.5	6.0	-8.4	10.0	71.2	1.0	22.1	1.0	22.1	1.0
9	LQPMH 118	5.8	4.0	58.8	9.0	24.5	1.0	-22.6	15.0	33.1	6.0	6.8	5.0	6.8	5.0
10	PPH27	1.4	7.0	116.5	3.0	18.5	2.0	15.9	2.0	45.1	5.0	16.7	2.0	16.7	2.0
11	APQH 9 (Check)	-18.1	13.0	-9.8	14.0	10.4	4.0	1.5	6.0	51.7	3.0	5.5	8.0	5.5	8.0
12	HQPM 1 (Check)	0.0	8.0	0.0	11.0	0.0	9.0	0.0	8.0	0.0	12.0	0.0	11.0	0.0	11.0
13	HQPM 7 (Check)	5.1	6.0	82.0	6.0	8.0	7.0	-2.0	9.0	-10.5	15.0	0.9	10.0	0.9	10.0
14	Vivek Hybrid 27 (Check)	5.4	5.0	91.2	5.0	5.8	8.0	-12.7	11.0	58.9	2.0	10.4	4.0	10.4	4.0
15	Vivek QPM 9 (Check)	-20.4	14.0	-2.9	13.0	-2.2	12.0	18.2	1.0	49.2	4.0	6.3	6.0	6.3	6.0

Table No. 19 (Contd.) **% superiority over HQPM5 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	5.7	10.0	-20.7	7.0	32.0	3.0	0.8	4.0	38.9	7.0	15.0	7.0	15.0	7.0
2	APH 2	4.6	11.0	16.9	1.0	17.1	11.0	-20.3	14.0	7.0	13.0	-0.3	15.0	-0.3	15.0
3	APQH 1	46.1	2.0	-38.3	10.0	29.8	5.0	-3.7	7.0	38.6	8.0	26.6	3.0	26.6	3.0
4	APQH 5	-9.9	15.0	-5.5	4.0	-1.6	14.0	7.7	3.0	10.7	10.0	0.7	13.0	0.7	13.0
5	EHQ 64	36.8	3.0	-22.9	8.0	18.3	10.0	-18.7	13.0	10.5	11.0	11.8	9.0	11.8	9.0
6	EHQ 640	11.4	9.0	-62.9	15.0	-4.6	15.0	-16.7	12.0	20.5	9.0	1.6	12.0	1.6	12.0
7	HQPM5 (Check)	0.0	12.0	0.0	2.0	0.0	13.0	0.0	5.0	0.0	14.0	0.0	14.0	0.0	14.0
8	IMHQPM 1530	46.9	1.0	-54.7	12.0	29.1	6.0	-12.1	10.0	86.7	1.0	32.9	1.0	32.9	1.0
9	LQPMH 118	22.0	4.0	-27.1	9.0	48.2	1.0	-25.7	15.0	45.2	6.0	16.4	5.0	16.4	5.0
10	PPH27	16.9	7.0	-0.6	3.0	41.1	2.0	11.2	2.0	58.2	5.0	27.0	2.0	27.0	2.0
11	APQH 9 (Check)	-5.7	13.0	-58.6	14.0	31.5	4.0	-2.6	6.0	65.4	3.0	14.9	8.0	14.9	8.0
12	HQPM 1 (Check)	15.2	8.0	-54.1	11.0	19.1	9.0	-4.0	8.0	9.0	12.0	8.9	11.0	8.9	11.0
13	HQPM 7 (Check)	21.1	6.0	-16.4	6.0	28.5	7.0	-6.0	9.0	-2.4	15.0	9.9	10.0	9.9	10.0
14	Vivek Hybrid 27 (Check)	21.5	5.0	-12.2	5.0	26.0	8.0	-16.2	11.0	73.3	2.0	20.2	4.0	20.2	4.0
15	Vivek QPM 9 (Check)	-8.3	14.0	-55.4	13.0	16.4	12.0	13.4	1.0	62.7	4.0	15.7	6.0	15.7	6.0

Table No. 19 (Contd.) **% superiority over HQPM 7 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-12.7	10.0	-5.1	7.0	2.7	3.0	7.2	4.0	42.2	7.0	4.6	7.0	4.6	7.0
2	APH 2	-13.6	11.0	39.8	1.0	-8.9	11.0	-15.2	14.0	9.6	13.0	-9.3	15.0	-9.3	15.0
3	APQH 1	20.7	2.0	-26.2	10.0	1.0	5.0	2.4	7.0	41.9	8.0	15.2	3.0	15.2	3.0
4	APQH 5	-25.6	15.0	13.1	4.0	-23.4	14.0	14.5	3.0	13.4	10.0	-8.4	13.0	-8.4	13.0
5	EHQ 64	13.0	3.0	-7.7	8.0	-8.0	10.0	-13.6	13.0	13.2	11.0	1.7	9.0	1.7	9.0
6	EHQ 640	-8.0	9.0	-55.6	15.0	-25.8	15.0	-11.4	12.0	23.4	9.0	-7.6	12.0	-7.6	12.0
7	HQPM5 (Check)	-17.4	12.0	19.7	2.0	-22.2	13.0	6.3	5.0	2.4	14.0	-9.0	14.0	-9.0	14.0
8	IMHQPM 1530	21.3	1.0	-45.8	12.0	0.5	6.0	-6.5	10.0	91.2	1.0	21.0	1.0	21.0	1.0
9	LQPMH 118	0.7	4.0	-12.7	9.0	15.3	1.0	-21.0	15.0	48.7	6.0	5.9	5.0	5.9	5.0
10	PPH27	-3.5	7.0	18.9	3.0	9.8	2.0	18.3	2.0	62.1	5.0	15.6	2.0	15.6	2.0
11	APQH 9 (Check)	-22.1	13.0	-50.5	14.0	2.3	4.0	3.6	6.0	69.4	3.0	4.5	8.0	4.5	8.0
12	HQPM 1 (Check)	-4.8	8.0	-45.1	11.0	-7.4	9.0	2.0	8.0	11.7	12.0	-0.9	11.0	-0.9	11.0
13	HQPM 7 (Check)	0.0	6.0	0.0	6.0	0.0	7.0	0.0	9.0	0.0	15.0	0.0	10.0	0.0	10.0
14	Vivek Hybrid 27 (Check)	0.3	5.0	5.1	5.0	-2.0	8.0	-10.9	11.0	77.4	2.0	9.4	4.0	9.4	4.0
15	Vivek QPM 9 (Check)	-24.2	14.0	-46.6	13.0	-9.4	12.0	20.6	1.0	66.6	4.0	5.3	6.0	5.3	6.0

Table No. 19 (Contd.) **% superiority over Vivek Hybrid 27 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-13.0	10.0	-9.6	7.0	4.8	3.0	20.3	4.0	-19.9	7.0	-4.4	7.0	-4.4	7.0
2	APH 2	-13.9	11.0	33.1	1.0	-7.1	11.0	-4.9	14.0	-38.2	13.0	-17.1	15.0	-17.1	15.0
3	APQH 1	20.3	2.0	-29.8	10.0	3.0	5.0	14.9	7.0	-20.0	8.0	5.3	3.0	5.3	3.0
4	APQH 5	-25.9	15.0	7.6	4.0	-21.9	14.0	28.5	3.0	-36.1	10.0	-16.2	13.0	-16.2	13.0
5	EHQ 64	12.6	3.0	-12.1	8.0	-6.1	10.0	-3.0	13.0	-36.2	11.0	-7.1	9.0	-7.1	9.0
6	EHQ 640	-8.3	9.0	-57.8	15.0	-24.3	15.0	-0.5	12.0	-30.5	9.0	-15.5	12.0	-15.5	12.0
7	HQPM5 (Check)	-17.7	12.0	13.9	2.0	-20.6	13.0	19.4	5.0	-42.3	14.0	-16.8	14.0	-16.8	14.0
8	IMHQPM 1530	20.9	1.0	-48.4	12.0	2.5	6.0	4.9	10.0	7.8	1.0	10.6	1.0	10.6	1.0
9	LQPMH 118	0.4	4.0	-16.9	9.0	17.6	1.0	-11.3	15.0	-16.2	6.0	-3.2	5.0	-3.2	5.0
10	PPH27	-3.8	7.0	13.2	3.0	12.0	2.0	32.7	2.0	-8.7	5.0	5.7	2.0	5.7	2.0
11	APQH 9 (Check)	-22.4	13.0	-52.8	14.0	4.3	4.0	16.3	6.0	-4.6	3.0	-4.4	8.0	-4.4	8.0
12	HQPM 1 (Check)	-5.2	8.0	-47.7	11.0	-5.5	9.0	14.5	8.0	-37.1	12.0	-9.4	11.0	-9.4	11.0
13	HQPM 7 (Check)	-0.3	6.0	-4.8	6.0	2.0	7.0	12.2	9.0	-43.6	15.0	-8.6	10.0	-8.6	10.0
14	Vivek Hybrid 27 (Check)	0.0	5.0	0.0	5.0	0.0	8.0	0.0	11.0	0.0	2.0	0.0	4.0	0.0	4.0
15	Vivek QPM 9 (Check)	-24.5	14.0	-49.2	13.0	-7.6	12.0	35.3	1.0	-6.1	4.0	-3.8	6.0	-3.8	6.0

Table No. 19 (Contd.) **% superiorityover Vivek QPM 9 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	15.2	10.0	77.8	7.0	13.4	3.0	-11.1	4.0	-14.7	7.0	-0.6	7.0	-0.6	7.0
2	APH 2	14.0	11.0	162.0	1.0	0.6	11.0	-29.7	14.0	-34.2	13.0	-13.9	15.0	-13.9	15.0
3	APQH 1	59.2	2.0	38.3	10.0	11.5	5.0	-15.1	7.0	-14.8	8.0	9.4	3.0	9.4	3.0
4	APQH 5	-1.8	15.0	111.8	4.0	-15.5	14.0	-5.0	3.0	-32.0	10.0	-13.0	13.0	-13.0	13.0
5	EHQ 64	49.1	3.0	73.0	8.0	1.6	10.0	-28.3	13.0	-32.1	11.0	-3.4	9.0	-3.4	9.0
6	EHQ 640	21.4	9.0	-16.9	15.0	-18.1	15.0	-26.5	12.0	-26.0	9.0	-12.2	12.0	-12.2	12.0
7	HQPM5 (Check)	9.0	12.0	124.2	2.0	-14.1	13.0	-11.8	5.0	-38.5	14.0	-13.6	14.0	-13.6	14.0
8	IMHQPM 1530	60.1	1.0	1.5	12.0	10.9	6.0	-22.5	10.0	14.8	1.0	14.9	1.0	14.9	1.0
9	LQPMH 118	32.9	4.0	63.5	9.0	27.3	1.0	-34.5	15.0	-10.8	6.0	0.6	5.0	0.6	5.0
10	PPH27	27.4	7.0	122.8	3.0	21.2	2.0	-1.9	2.0	-2.7	5.0	9.8	2.0	9.8	2.0
11	APQH 9 (Check)	2.8	13.0	-7.2	14.0	12.9	4.0	-14.1	6.0	1.6	3.0	-0.7	8.0	-0.7	8.0
12	HQPM 1 (Check)	25.6	8.0	3.0	11.0	2.3	9.0	-15.4	8.0	-33.0	12.0	-5.9	11.0	-5.9	11.0
13	HQPM 7 (Check)	32.0	6.0	87.4	6.0	10.4	7.0	-17.1	9.0	-40.0	15.0	-5.0	10.0	-5.0	10.0
14	Vivek Hybrid 27 (Check)	32.4	5.0	96.8	5.0	8.2	8.0	-26.1	11.0	6.5	2.0	3.9	4.0	3.9	4.0
15	Vivek QPM 9 (Check)	0.0	14.0	0.0	13.0	0.0	12.0	0.0	1.0	0.0	4.0	0.0	6.0	0.0	6.0

Table No. 19 (Contd.) **Moisture(%)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	20	18	32	17	27	23	23
2	APH 2	21	18	32	16	26	23	23
3	APQH 1	21	16	31	17	30	23	23
4	APQH 5	20	17	32	17	30	23	23
5	EHQ 64	21	17	31	19	29	23	23
6	EHQ 640	20	17	30	16	27	22	22
7	IMHQPM 1530	21	16	30	16	29	22	22
8	LQPMH 118	20	16	29	16	28	22	22
9	PPH27	20	17	28	17	22	21	21
10	APQH 9 (C)	20	17	27	19	22	21	21
11	HQPM 1 (C)	20	17	29	18	29	23	23
12	HQPM5 (C)	21	16	30	17	28	22	22
13	HQPM 7 (C)	20	17	32	19	28	23	23
14	Vivek Hybrid 27 (C)	20	17	29	17	22	21	21
15	Vivek QPM 9 (C)	20	16	29	18	24	21	21
	Location Mean	20	17	30	17	27	22	22
	CV (%)	1.7	6.1	5.5	10.1	8.3	6.9	6.9
	F (Prob)	0.0	0.5	0.0	0.4	0.0	0.0	0.0
	CD (5%)	0.6	1.7	2.8	2.9	3.7	1.1	1.1
	CD (1%)	0.8	2.3	3.7	4.0	5.0	1.5	1.5

Table No. 19 (Contd.) **Shelling(%)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	76	80	76	83	81	79	79
2	APH 2	79	80	76	81	78	79	79
3	APQH 1	81	80	76	83	85	81	81
4	APQH 5	80	80	76	85	83	81	81
5	EHQ 64	80	80	77	83	85	81	81
6	EHQ 640	82	80	76	82	85	81	81
7	IMHQPM 1530	86	80	79	84	87	83	83
8	LQPMH 118	76	80	78	84	86	81	81
9	PPH27	80	80	76	86	86	82	82
10	APQH 9 (C)	78	80	77	84	85	81	81
11	HQPM 1 (C)	81	80	77	84	83	81	81
12	HQPM5 (C)	77	80	77	84	84	80	80
13	HQPM 7 (C)	80	80	76	83	81	80	80
14	Vivek Hybrid 27 (C)	81	80	76	84	86	81	81
15	Vivek QPM 9 (C)	80	80	77	84	87	82	82
	Location Mean	80	80	77	84	84	81	81
	CV (%)	0.0	0.0	0.8	2.4	1.0	1.3	1.3
	F (Prob)	0.0	.	0.0	0.4	0.0	0.0	0.0
	CD (5%)	0.0	0.0	1.1	3.4	1.4	0.7	0.7
	CD (1%)	0.0	0.0	1.4	4.6	1.8	1.0	1.0

Table No. 19 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	66	62	57	84	60	66	66
2	APH 2	65	59	59	89	59	66	66
3	APQH 1	64	60	58	88	59	66	66
4	APQH 5	67	55	57	86	61	65	65
5	EHQ 64	62	56	56	84	59	63	63
6	EHQ 640	62	59	55	85	58	64	64
7	IMHQPM 1530	59	56	55	85	56	62	62
8	LQPMH 118	61	57	55	83	57	63	63
9	PPH27	58	53	50	86	54	60	60
10	APQH 9 (C)	52	54	49	88	51	59	59
11	HQPM 1 (C)	62	57	58	87	60	65	65
12	HQPM5 (C)	65	61	57	85	59	65	65
13	HQPM 7 (C)	64	62	57	84	61	66	66
14	Vivek Hybrid 27 (C)	55	54	52	85	52	60	60
15	Vivek QPM 9 (C)	52	54	49	85	49	58	58
	Location Mean	61	57	55	86	57	63	63
	CV (%)	2.6	5.2	2.8	2.8	2.7	3.3	3.3
	F (Prob)	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	CD (5%)	2.6	4.9	2.6	4.0	2.6	1.5	1.5
	CD (1%)	3.5	6.7	3.5	5.4	3.5	2.0	2.0

Table No. 19 (Contd.) **Days to 50 % silking**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	68	64	60	86	62	68	68
2	APH 2	67	62	62	91	60	68	68
3	APQH 1	66	63	61	90	61	68	68
4	APQH 5	70	57	61	88	62	67	67
5	EHQ 64	64	59	60	86	61	66	66
6	EHQ 640	65	62	58	87	60	67	67
7	IMHQPM 1530	62	59	58	87	58	65	65
8	LQPMH 118	63	60	59	86	60	66	66
9	PPH27	61	56	53	88	54	62	62
10	APQH 9 (C)	55	57	52	90	51	61	61
11	HQPM 1 (C)	65	60	61	89	63	68	68
12	HQPM5 (C)	67	64	60	88	62	68	68
13	HQPM 7 (C)	67	65	61	87	64	69	69
14	Vivek Hybrid 27 (C)	58	57	56	87	52	62	62
15	Vivek QPM 9 (C)	54	57	52	87	49	60	60
	Location Mean	64	60	58	88	59	66	66
	CV (%)	2.5	4.9	2.6	2.5	3.8	3.3	3.3
	F (Prob)	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	CD (5%)	2.7	5.0	2.5	3.7	3.7	1.6	1.6
	CD (1%)	3.6	6.7	3.4	5.0	5.0	2.1	2.1

Table No. 19 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	109	135	99	132	108	117	117
2	APH 2	105	134	102	138	103	116	116
3	APQH 1	106	131	101	139	108	117	117
4	APQH 5	106	125	101	137	108	115	115
5	EHQ 64	100	127	99	134	102	112	112
6	EHQ 640	104	132	99	134	107	115	115
7	IMHQPM 1530	97	129	99	136	100	112	112
8	LQPMH 118	102	127	99	133	104	113	113
9	PPH27	91	126	95	135	91	108	108
10	APQH 9 (C)	92	126	94	138	95	109	109
11	HQPM 1 (C)	109	128	103	138	109	117	117
12	HQPM5 (C)	106	132	101	135	106	116	116
13	HQPM 7 (C)	104	134	100	136	108	117	117
14	Vivek Hybrid 27 (C)	91	127	97	133	89	107	107
15	Vivek QPM 9 (C)	93	128	95	134	95	109	109
	Location Mean	101	129	99	136	102	113	113
	CV (%)	1.9	3.0	1.8	3.3	2.4	2.7	2.7
	F (Prob)	0.0	0.0	0.0	0.8	0.0	0.0	0.0
	CD (5%)	3.2	6.5	3.0	7.5	4.2	2.2	2.2
	CD (1%)	4.3	8.7	4.0	10.1	5.6	3.0	3.0

Table No. 19 (Contd.) **Ears (Number)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	39	34	59	61	46	51	51
2	APH 2	39	48	59	58	44	50	50
3	APQH 1	42	44	60	61	44	52	52
4	APQH 5	38	40	60	64	42	51	51
5	EHQ 64	48	45	60	62	42	53	53
6	EHQ 640	38	28	59	58	36	48	48
7	IMHQPM 1530	48	43	60	61	47	54	54
8	LQPMH 118	45	59	60	61	47	53	53
9	PPH27	46	58	59	63	49	54	54
10	APQH 9 (C)	38	33	59	60	42	50	50
11	HQPM 1 (C)	39	23	61	59	43	51	51
12	HQPM5 (C)	39	47	60	62	37	49	49
13	HQPM 7 (C)	40	36	61	56	46	51	51
14	Vivek Hybrid 27 (C)	45	54	60	62	46	53	53
15	Vivek QPM 9 (C)	45	50	60	63	48	54	54
	Location Mean	42	43	60	61	44	52	52
	CV (%)	8.2	31.1	2.9	7.1	5.8	6.1	6.1
	F (Prob)	0.0	0.1	0.9	0.7	0.0	0.0	0.0
	CD (5%)	5.7	22.3	2.9	7.2	4.2	2.5	2.5
	CD (1%)	7.7	30.1	3.8	9.7	5.7	3.4	3.4

Table No. 19 (Contd.) **Initial plant Stand (Number/Plot)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	39	39	60	79	44	52	52
2	APH 2	39	51	62	80	44	55	55
3	APQH 1	42	56	62	79	44	57	57
4	APQH 5	38	42	62	78	44	53	53
5	EHQ 64	48	55	64	80	44	58	58
6	EHQ 640	37	30	60	79	39	49	49
7	IMHQPM 1530	48	53	64	79	47	58	58
8	LQPMH 118	43	68	63	79	47	60	60
9	PPH27	45	69	63	80	48	61	61
10	APQH 9 (C)	36	44	65	80	42	53	53
11	HQPM 1 (C)	38	35	63	80	46	53	53
12	HQPM5 (C)	37	58	62	79	46	56	56
13	HQPM 7 (C)	39	45	63	80	46	55	55
14	Vivek Hybrid 27 (C)	44	57	65	79	47	58	58
15	Vivek QPM 9 (C)	44	55	63	78	48	58	58
	Location Mean	41	50	63	79	45	56	56
	CV (%)	6.1	29.1	4.3	1.4	3.6	12.2	12.2
	F (Prob)	0.0	0.1	0.7	0.3	0.0	0.0	0.0
	CD (5%)	4.2	24.5	4.5	1.8	2.7	4.9	4.9
	CD (1%)	5.7	33.1	6.1	2.5	3.7	6.5	6.5

Table No. 19 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	64	34	73	49	62	62	62
2	APH 2	64	50	73	45	61	61	61
3	APQH 1	69	48	74	49	59	63	63
4	APQH 5	64	38	74	48	60	61	61
5	EHQ 64	77	50	75	49	59	65	65
6	EHQ 640	60	31	72	48	54	58	58
7	IMHQPM 1530	79	47	75	47	63	66	66
8	LQPMH 118	72	63	76	49	66	66	66
9	PPH27	75	61	74	49	66	66	66
10	APQH 9 (C)	59	36	75	47	58	60	60
11	HQPM 1 (C)	64	25	75	47	57	61	61
12	HQPM5 (C)	62	49	74	49	56	60	60
13	HQPM 7 (C)	64	41	74	45	61	61	61
14	Vivek Hybrid 27 (C)	73	57	74	49	64	65	65
15	Vivek QPM 9 (C)	73	55	74	47	65	65	65
	Location Mean	68	46	74	48	61	63	63
	CV (%)	6.3	31.1	3.6	7.4	4.9	5.5	5.5
	F (Prob)	0.0	0.1	1.0	0.9	0.0	0.0	0.0
	CD (5%)	7.1	23.7	4.4	5.9	5.0	2.8	2.8
	CD (1%)	9.6	32.0	6.0	8.0	6.8	3.7	3.7

Table No. 19 (Contd.) **Plant Height**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	210	231	226	204	263	227	227
2	APH 2	203	238	214	223	248	225	225
3	APQH 1	207	215	205	211	248	217	217
4	APQH 5	215	227	217	227	263	230	230
5	EHQ 64	232	229	225	203	247	227	227
6	EHQ 640	202	203	206	211	255	215	215
7	IMHQPM 1530	212	219	208	217	255	222	222
8	LQPMH 118	212	232	214	222	267	230	230
9	PPH27	180	209	204	207	228	206	206
10	APQH 9 (C)	207	209	210	224	245	219	219
11	HQPM 1 (C)	198	219	208	231	248	221	221
12	HQPM5 (C)	203	238	204	205	252	220	220
13	HQPM 7 (C)	213	235	214	208	263	227	227
14	Vivek Hybrid 27 (C)	187	202	205	192	227	203	203
15	Vivek QPM 9 (C)	190	207	203	220	238	212	212
	Location Mean	205	221	211	214	250	220	220
	CV (%)	6.3	7.0	3.4	9.8	4.8	6.5	6.5
	F (Prob)	0.0	0.1	0.0	0.6	0.0	0.0	0.0
	CD (5%)	21.5	25.8	11.9	34.9	20.0	10.4	10.4
	CD (1%)	29.1	34.8	16.1	47.1	27.0	13.7	13.7

Table No. 19 (Contd.) **Ear Height**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	108	85	113	106	137	110	110
2	APH 2	97	104	107	124	132	113	113
3	APQH 1	104	78	103	121	135	108	108
4	APQH 5	115	84	108	123	143	115	115
5	EHQ 64	129	83	112	108	127	112	112
6	EHQ 640	101	74	103	97	137	102	102
7	IMHQPM 1530	102	79	104	112	127	105	105
8	LQPMH 118	106	77	107	114	132	107	107
9	PPH27	83	79	101	101	108	94	94
10	APQH 9 (C)	107	83	104	112	125	106	106
11	HQPM 1 (C)	95	70	104	124	120	103	103
12	HQPM5 (C)	112	90	101	97	133	107	107
13	HQPM 7 (C)	111	87	107	108	135	110	110
14	Vivek Hybrid 27 (C)	86	71	103	106	108	95	95
15	Vivek QPM 9 (C)	93	70	101	114	108	97	97
	Location Mean	103	81	105	111	127	106	106
	CV (%)	10.8	11.9	3.6	14.4	7.5	10.2	10.2
	F (Prob)	0.0	0.0	0.0	0.5	0.0	0.0	0.0
	CD (5%)	18.6	16.2	6.3	26.7	15.9	7.8	7.8
	CD (1%)	25.1	21.8	8.5	36.1	21.5	10.2	10.2

Table No. 20: Trial No. 512 (QPM-I-II-III) Zone 2 Yield (Kg/ha)

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_P		Pantnagar_		Z_NWPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APH 2	6537	9	7277	20	5877	9	8061	2	6938	7
2	APQH1(QPM+PRO-A)	5924	17	8083	12	6044	8	6710	14	6690	11
3	APQH5(QPM+PRO-A)	8775	1	8649	3	6647	3	7749	6	7955	1
4	EHQ-64	6420	11	7259	21	4907	15	5768	19	6089	19
5	EHQ-640	6034	15	7422	19	5479	13	5552	21	6122	18
6	FQH-140	5692	20	8361	7	5740	11	7583	8	6844	8
7	FQH-148	5534	21	8348	8	6409	5	6875	11	6791	10
8	IIMRQPMH 1601	6972	5	8006	14	6827	2	7621	7	7357	5
9	IIMRQPMH 1708	6546	8	8709	2	5768	10	6243	15	6816	9
10	IQPMH-18-1	8009	2	8256	10	6077	7	7489	9	7458	4
11	IQPMH-18-2	7256	3	8038	13	6215	6	7754	5	7316	6
12	IQPMH-18-3	7176	4	8389	6	6852	1	8159	1	7644	2
13	IQPMH-18-4	6644	7	8855	1	6467	4	7915	4	7470	3
14	IQPMH-18-5	5438	22	8499	5	4297	18	5557	20	5948	21
15	KDQH-55(CAH1824)	6066	14	8568	4	3997	20	6172	16	6201	16
16	QPMMH 27	6390	12	7472	18	4612	16	7965	3	6610	12
17	QPMMH-41	5845	18	7736	15	4594	17	7004	10	6295	15
18	QQPMH 14153	5799	19	7536	17	5363	14	6794	12	6373	14
19	APQH 9 (C)	6142	13	8237	11	3676	21	6068	18	6031	20
20	HQPM I (C)	5937	16	8257	9	3185	22	4414	22	5448	22
21	HQPM 5 (C)	6663	6	7733	16	4028	19	6154	17	6144	17
22	Pratap QPM Hybrid 1 (C)	6457	10	7250	22	5698	12	6721	13	6531	13
	Location Mean	6466	.	8043	.	5398	.	6833	.	6685	.
	CV (%)	5.6	.	11.6	.	14.8	.	17.7	.	13.2	.
	F (Prob)	0.0	.	0.6	.	0.0	.	0.0	.	0.0	.
	CD (5%)	597.7	.	1530.7	.	1314.4	.	1994.3	.	709.0	.
	CD (1%)	799.1	.	2046.5	.	1757.2	.	2666.3	.	935.7	.

Table No. 20 (Contd.) **Gain in Yield(%) over APQH 9 (C)**

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 2	6.44	9	-11.7	20	59.87	9	32.85	2	15.1	7
2	APQH1(QPM+PRO-A)	-3.55	17	-1.88	12	64.41	8	10.58	14	10.9	11
3	APQH5(QPM+PRO-A)	42.86	1	5	3	80.81	3	27.71	6	31.9	1
4	EHQ-64	4.53	11	-11.9	21	33.48	15	-4.93	19	0.96	19
5	EHQ-640	-1.76	15	-9.89	19	49.04	13	-8.49	21	1.51	18
6	FQH-140	-7.34	20	1.5	7	56.14	11	24.98	8	13.5	8
7	FQH-148	-9.9	21	1.34	8	74.33	5	13.31	11	12.6	10
8	IIMRQPMH 1601	13.52	5	-2.81	14	85.72	2	25.61	7	22	5
9	IIMRQPMH 1708	6.57	8	5.73	2	56.91	10	2.88	15	13	9
10	IQPMH-18-1	30.39	2	0.23	10	65.32	7	23.42	9	23.7	4
11	IQPMH-18-2	18.13	3	-2.42	13	69.07	6	27.78	5	21.3	6
12	IQPMH-18-3	16.83	4	1.85	6	86.41	1	34.46	1	26.8	2
13	IQPMH-18-4	8.16	7	7.5	1	75.92	4	30.44	4	23.9	3
14	IQPMH-18-5	-11.5	22	3.18	5	16.89	18	-8.42	20	-1.38	21
15	KDQH-55(CAH1824)	-1.24	14	4.01	4	8.74	20	1.73	16	2.82	16
16	QPMMH 27	4.04	12	-9.28	18	25.45	16	31.27	3	9.6	12
17	QPMMH-41	-4.84	18	-6.08	15	24.97	17	15.43	10	4.38	15
18	QQPMH 14153	-5.58	19	-8.51	17	45.9	14	11.98	12	5.68	14
19	APQH 9 (C)	0	13	0	11	0	21	0	18	0	20
20	HQPM I (C)	-3.33	16	0.24	9	-13.36	22	-27.25	22	-9.66	22
21	HQPM 5 (C)	8.48	6	-6.12	16	9.57	19	1.42	17	1.89	17
22	Pratap QPM Hybrid 1 (C)	5.12	10	-12	22	54.99	12	10.76	13	8.3	13

Table No. 20 (Contd.) **Gain in Yield(%) over HQPM 5 (C)**

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 2	-1.88	9	-5.9	20	45.91	9	30.99	2	12.92	7
2	APQH1(QPM+PRO-A)	-11.1	17	4.51	12	50.05	8	9.04	14	8.88	11
3	APQH5(QPM+PRO-A)	31.69	1	11.8	3	65.02	3	25.93	6	29.47	1
4	EHQ-64	-3.64	11	-6.14	21	21.82	15	-6.26	19	-0.91	19
5	EHQ-640	-9.44	15	-4.02	19	36.02	13	-9.77	21	-0.37	18
6	FQH-140	-14.6	20	8.11	7	42.51	11	23.23	8	11.38	8
7	FQH-148	-16.9	21	7.95	8	59.11	5	11.72	11	10.53	10
8	IIMRQPMH 1601	4.65	5	3.52	14	69.5	2	23.85	7	19.73	5
9	IIMRQPMH 1708	-1.76	8	12.6	2	43.21	10	1.44	15	10.94	9
10	IQPMH-18-1	20.2	2	6.76	10	50.88	7	21.69	9	21.37	4
11	IQPMH-18-2	8.9	3	3.94	13	54.3	6	26	5	19.06	6
12	IQPMH-18-3	7.7	4	8.48	6	70.13	1	32.58	1	24.4	2
13	IQPMH-18-4	-0.29	7	14.5	1	60.56	4	28.62	4	21.58	3
14	IQPMH-18-5	-18.4	22	9.9	5	6.68	18	-9.7	20	-3.2	21
15	KDQH-55(CAH1824)	-8.95	14	10.8	4	-0.76	20	0.3	16	0.92	16
16	QPMMH 27	-4.09	12	-3.37	18	14.49	16	29.44	3	7.57	12
17	QPMMH-41	-12.3	18	0.04	15	14.06	17	13.81	10	2.45	15
18	QQPMH 14153	-13	19	-2.56	17	33.16	14	10.41	12	3.72	14
19	APQH 9 (C)	-7.81	13	6.51	11	-8.73	21	-1.4	18	-1.85	20
20	HQPM I (C)	-10.9	16	6.77	9	-20.92	22	-28.27	22	-11.3	22
21	HQPM 5 (C)	0	6	0	16	0	19	0	17	0	17
22	Pratap QPM Hybrid 1 (C)	-3.09	10	-6.25	22	41.46	12	9.21	13	6.3	13

Table No. 20 (Contd.) **Gain in Yield(%) over HQPM I (C)**

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 2	10.1	9	-11.9	20	84.51	9	82.61	2	27.3	7
2	APQH1(QPM+PRO-A)	-0.22	17	-2.11	12	89.76	8	52.01	14	22.8	11
3	APQH5(QPM+PRO-A)	47.8	1	4.75	3	108.68	3	75.55	6	46	1
4	EHQ-64	8.13	11	-12.1	21	54.06	15	30.68	19	11.8	19
5	EHQ-640	1.63	15	-10.1	19	72.01	13	25.78	21	12.4	18
6	FQH-140	-4.14	20	1.26	7	80.22	11	71.79	8	25.6	8
7	FQH-148	-6.8	21	1.1	8	101.21	5	55.75	11	24.7	10
8	IIMRQPMH 1601	17.4	5	-3.04	14	114.35	2	72.66	7	35	5
9	IIMRQPMH 1708	10.2	8	5.48	2	81.1	10	41.42	15	25.1	9
10	IQPMH-18-1	34.9	2	-0.01	10	90.81	7	69.65	9	36.9	4
11	IQPMH-18-2	22.2	3	-2.65	13	95.13	6	75.65	5	34.3	6
12	IQPMH-18-3	20.9	4	1.6	6	115.14	1	84.83	1	40.3	2
13	IQPMH-18-4	11.9	7	7.25	1	103.04	4	79.3	4	37.1	3
14	IQPMH-18-5	-8.41	22	2.93	5	34.9	18	25.88	20	9.16	21
15	KDQH-55(CAH1824)	2.17	14	3.76	4	25.5	20	39.83	16	13.8	16
16	QPMMH 27	7.63	12	-9.5	18	44.79	16	80.44	3	21.3	12
17	QPMMH-41	-1.56	18	-6.3	15	44.24	17	58.67	10	15.5	15
18	QQPMH 14153	-2.32	19	-8.73	17	68.39	14	53.92	12	17	14
19	APQH 9 (C)	3.45	13	-0.24	11	15.42	21	37.46	18	10.7	20
20	HQPM I (C)	0	16	0	9	0	22	0	22	0	22
21	HQPM 5 (C)	12.2	6	-6.34	16	26.46	19	39.41	17	12.8	17
22	Pratap QPM Hybrid 1 (C)	8.75	10	-12.2	22	78.89	12	52.25	13	19.9	13

Table No. 20 (Contd.) **Gain in Yield(%) over Pratap QPM Hybrid 1 (C)**

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 2	1.25	9	0.37	20	3.14	9	19.94	2	6.23	7
2	APQH1(QPM+PRO-A)	-8.25	17	11.5	12	6.08	8	-0.16	14	2.43	11
3	APQH5(QPM+PRO-A)	35.89	1	19.3	3	16.66	3	15.31	6	21.8	1
4	EHQ-64	-0.57	11	0.12	21	-13.88	15	-14.17	19	-6.78	19
5	EHQ-640	-6.55	15	2.37	19	-3.84	13	-17.38	21	-6.27	18
6	FQH-140	-11.9	20	15.3	7	0.74	11	12.84	8	4.79	8
7	FQH-148	-14.3	21	15.1	8	12.48	5	2.3	11	3.98	10
8	IIMRQPMH 1601	7.98	5	10.4	14	19.82	2	13.41	7	12.64	5
9	IIMRQPMH 1708	1.37	8	20.1	2	1.24	10	-7.11	15	4.36	9
10	IQPMH-18-1	24.03	2	13.9	10	6.66	7	11.43	9	14.18	4
11	IQPMH-18-2	12.37	3	10.9	13	9.08	6	15.37	5	12.01	6
12	IQPMH-18-3	11.13	4	15.7	6	20.27	1	21.4	1	17.04	2
13	IQPMH-18-4	2.89	7	22.1	1	13.5	4	17.77	4	14.37	3
14	IQPMH-18-5	-15.8	22	17.2	5	-24.59	18	-17.32	20	-8.94	21
15	KDQH-55(CAH1824)	-6.05	14	18.2	4	-29.84	20	-8.16	16	-5.06	16
16	QPMMH 27	-1.03	12	3.06	18	-19.06	16	18.52	3	1.2	12
17	QPMMH-41	-9.48	18	6.7	15	-19.37	17	4.22	10	-3.62	15
18	QQPMH 14153	-10.2	19	3.94	17	-5.87	14	1.1	12	-2.42	14
19	APQH 9 (C)	-4.87	13	13.6	11	-35.48	21	-9.71	18	-7.66	20
20	HQPM I (C)	-8.05	16	13.9	9	-44.1	22	-34.32	22	-16.6	22
21	HQPM 5 (C)	3.19	6	6.66	16	-29.31	19	-8.43	17	-5.92	17
22	Pratap QPM Hybrid 1 (C)	0	10	0	22	0	12	0	13	0	13

Table No. 20 (Contd.) **Moisture(%)**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	28	20	12	26	22
2	APQH1(QPM+PRO-A)	25	20	12	25	21
3	APQH5(QPM+PRO-A)	23	20	13	28	21
4	EHQ-64	29	21	11	25	21
5	EHQ-640	29	20	13	27	22
6	FQH-140	24	21	10	23	19
7	FQH-148	28	21	13	23	21
8	IIMRQPMH 1601	29	20	15	20	21
9	IIMRQPMH 1708	23	21	16	28	22
10	IQPMH-18-1	23	21	13	26	21
11	IQPMH-18-2	27	20	13	23	21
12	IQPMH-18-3	29	20	10	26	21
13	IQPMH-18-4	28	21	15	27	23
14	IQPMH-18-5	24	21	12	23	20
15	KDQH-55(CAH1824)	29	20	14	26	22
16	QPMMH 27	25	21	12	26	21
17	QPMMH-41	27	21	13	26	22
18	QQPMH 14153	29	20	11	24	21
19	APQH 9 (C)	20	20	12	17	17
20	HQPM I (C)	29	20	14	26	22
21	HQPM 5 (C)	24	21	12	27	21
22	Pratap QPM Hybrid 1 (C)	27	20	13	23	21
	Location Mean	26	21	13	25	21
	CV (%)	6.3	3.9	5.9	6.4	6.0
	F (Prob)	0.0	0.6	0.0	0.0	0.0
	CD (5%)	2.7	1.3	1.2	2.6	1.0
	CD (1%)	3.6	1.8	1.7	3.5	1.4

Table No. 20 (Contd.) **Shelling(%)**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	81	80	78	85	81
2	APQH1(QPM+PRO-A)	82	81	82	87	83
3	APQH5(QPM+PRO-A)	86	82	78	85	83
4	EHQ-64	83	82	83	83	83
5	EHQ-640	78	81	80	84	81
6	FQH-140	75	81	83	82	81
7	FQH-148	83	81	87	83	83
8	IIMRQPMH 1601	83	81	85	83	83
9	IIMRQPMH 1708	80	81	84	82	82
10	IQPMH-18-1	85	81	84	84	83
11	IQPMH-18-2	82	80	81	84	82
12	IQPMH-18-3	85	80	84	85	84
13	IQPMH-18-4	84	81	82	88	84
14	IQPMH-18-5	86	82	78	85	82
15	KDQH-55(CAH1824)	80	81	75	80	79
16	QPMMH 27	80	80	78	84	81
17	QPMMH-41	83	81	82	84	82
18	QQPMH 14153	83	80	81	84	82
19	APQH 9 (C)	82	81	80	82	81
20	HQPM I (C)	85	81	80	78	81
21	HQPM 5 (C)	83	80	79	83	81
22	Pratap QPM Hybrid 1 (C)	83	80	81	87	83
	Location Mean	82	81	81	84	82
	CV (%)	3.0	1.3	2.2	3.1	2.5
	F (Prob)	0.0	0.7	0.0	0.0	0.0
	CD (5%)	4.0	1.7	3.0	4.2	1.7
	CD (1%)	5.4	2.2	4.0	5.6	2.2

Table No. 20 (Contd.) **Days to 50 % pollen shed**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	47	52	55	54	52
2	APQH1(QPM+PRO-A)	54	50	58	56	55
3	APQH5(QPM+PRO-A)	51	47	58	57	53
4	EHQ-64	48	50	54	56	52
5	EHQ-640	47	51	54	55	52
6	FQH-140	46	47	47	48	47
7	FQH-148	47	48	50	52	50
8	IIMRQPMH 1601	46	51	56	54	52
9	IIMRQPMH 1708	52	53	59	56	55
10	IQPMH-18-1	53	50	56	54	53
11	IQPMH-18-2	52	51	57	53	53
12	IQPMH-18-3	51	51	57	52	53
13	IQPMH-18-4	49	49	54	54	52
14	IQPMH-18-5	49	49	57	55	52
15	KDQH-55(CAH1824)	52	52	58	54	54
16	QPMMH 27	52	54	59	55	55
17	QPMMH-41	53	51	59	55	55
18	QQPMH 14153	48	48	53	52	50
19	APQH 9 (C)	47	42	48	49	46
20	HQPM I (C)	54	52	60	57	55
21	HQPM 5 (C)	52	51	58	56	54
22	Pratap QPM Hybrid 1 (C)	51	51	56	55	53
	Location Mean	50	50	55	54	52
	CV (%)	2.8	5.7	3.2	2.2	3.7
	F (Prob)	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.3	4.7	3.0	2.0	1.6
	CD (1%)	3.1	6.3	4.0	2.7	2.0

Table No. 20 (Contd.) **Days to 50% silking**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	49	54	55	57	54
2	APQH1(QPM+PRO-A)	56	52	58	59	56
3	APQH5(QPM+PRO-A)	53	49	58	60	55
4	EHQ-64	51	52	55	59	54
5	EHQ-640	50	52	55	58	54
6	FQH-140	48	50	48	51	49
7	FQH-148	50	50	50	55	51
8	IIMRQPMH 1601	49	53	56	57	54
9	IIMRQPMH 1708	55	55	60	59	57
10	IQPMH-18-1	55	51	56	56	55
11	IQPMH-18-2	55	53	58	56	56
12	IQPMH-18-3	54	53	57	54	55
13	IQPMH-18-4	51	51	55	57	53
14	IQPMH-18-5	51	50	57	57	54
15	KDQH-55(CAH1824)	55	54	58	57	56
16	QPMMH 27	55	56	60	58	57
17	QPMMH-41	56	53	61	59	57
18	QQPMH 14153	51	50	53	55	52
19	APQH 9 (C)	50	44	49	52	48
20	HQPM I (C)	57	54	62	60	58
21	HQPM 5 (C)	55	53	60	59	57
22	Pratap QPM Hybrid 1 (C)	54	53	56	58	55
	Location Mean	53	52	56	57	54
	CV (%)	2.5	5.3	3.2	2.2	3.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.2	4.6	2.9	2.1	1.5
	CD (1%)	2.9	6.1	3.9	2.8	2.0

Table No. 20 (Contd.) **Days to 75% dry husk**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	84	84	87	95	87
2	APQH1(QPM+PRO-A)	96	83	95	99	94
3	APQH5(QPM+PRO-A)	96	80	94	100	93
4	EHQ-64	95	83	89	98	91
5	EHQ-640	96	83	88	96	91
6	FQH-140	96	80	81	92	87
7	FQH-148	95	80	83	91	87
8	IIMRQPMH 1601	97	84	91	98	93
9	IIMRQPMH 1708	96	85	95	99	94
10	IQPMH-18-1	96	83	90	96	91
11	IQPMH-18-2	98	83	90	96	92
12	IQPMH-18-3	93	83	92	95	91
13	IQPMH-18-4	98	82	89	96	91
14	IQPMH-18-5	91	83	94	97	91
15	KDQH-55(CAH1824)	95	85	93	97	92
16	QPMMH 27	95	85	93	98	93
17	QPMMH-41	96	84	94	98	93
18	QQPMH 14153	91	83	89	95	90
19	APQH 9 (C)	94	77	82	91	86
20	HQPM I (C)	86	84	96	99	91
21	HQPM 5 (C)	95	84	95	100	94
22	Pratap QPM Hybrid 1 (C)	96	84	92	98	92
	Location Mean	94	83	91	97	91
	CV (%)	2.0	2.5	2.6	1.7	2.2
	F (Prob)	0.0	0.0	0.0	0.0	0.0
	CD (5%)	3.2	3.4	3.9	2.8	1.6
	CD (1%)	4.2	4.5	5.2	3.7	2.2

Table No. 20 (Contd.) **Ear Number**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	46	85	67	75	68
2	APQH1(QPM+PRO-A)	48	82	76	74	70
3	APQH5(QPM+PRO-A)	52	82	66	71	68
4	EHQ-64	40	81	62	68	63
5	EHQ-640	43	82	66	67	65
6	FQH-140	52	83	69	79	71
7	FQH-148	53	82	75	75	71
8	IIMRQPMH 1601	51	83	78	77	72
9	IIMRQPMH 1708	44	82	67	77	68
10	IQPMH-18-1	46	84	67	72	67
11	IQPMH-18-2	48	81	74	70	69
12	IQPMH-18-3	44	82	73	73	68
13	IQPMH-18-4	48	81	75	74	69
14	IQPMH-18-5	42	82	68	65	64
15	KDQH-55(CAH1824)	55	82	73	72	71
16	QPMMH 27	44	80	58	64	62
17	QPMMH-41	37	82	60	68	62
18	QQPMH 14153	50	82	70	71	68
19	APQH 9 (C)	49	83	65	73	67
20	HQPM I (C)	42	82	58	56	59
21	HQPM 5 (C)	40	82	63	63	62
22	Pratap QPM Hybrid 1 (C)	48	83	78	74	71
	Location Mean	47	82	69	71	67
	CV (%)	9.2	2.0	8.1	5.6	6.1
	F (Prob)	0.0	0.2	0.0	0.0	0.0
	CD (5%)	7.1	2.6	9.1	6.5	3.3
	CD (1%)	9.5	3.5	12.2	8.7	4.4

Table No. 20 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	NWPZ			
		IARI_ND	Karnal_HR	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean
1	APH 2	51	80	76	69
2	APQH1(QPM+PRO-A)	51	80	76	69
3	APQH5(QPM+PRO-A)	54	79	73	69
4	EHQ-64	45	79	70	65
5	EHQ-640	43	79	69	64
6	FQH-140	54	79	80	71
7	FQH-148	55	79	79	71
8	IIMRQPMH 1601	49	79	80	69
9	IIMRQPMH 1708	43	79	78	67
10	IQPMH-18-1	46	80	74	66
11	IQPMH-18-2	44	80	69	64
12	IQPMH-18-3	44	80	75	67
13	IQPMH-18-4	50	80	77	69
14	IQPMH-18-5	42	80	65	62
15	KDQH-55(CAH1824)	56	80	75	70
16	QPMMH 27	42	79	64	62
17	QPMMH-41	39	79	70	63
18	QQPMH 14153	52	79	76	69
19	APQH 9 (C)	51	79	74	68
20	HQPM I (C)	42	79	58	60
21	HQPM 5 (C)	44	79	66	63
22	Pratap QPM Hybrid 1 (C)	48	80	75	68
	Location Mean	48	79	73	67
	CV (%)	8.9	1.0	5.5	5.1
	F (Prob)	0.0	0.7	0.0	0.0
	CD (5%)	6.9	1.3	6.6	3.2
	CD (1%)	9.3	1.7	8.8	4.2

Table No. 20 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	56	66	73	63	64
2	APQH1(QPM+PRO-A)	57	68	76	62	66
3	APQH5(QPM+PRO-A)	60	67	69	60	64
4	EHQ-64	50	67	67	56	60
5	EHQ-640	48	67	63	57	59
6	FQH-140	60	68	69	65	66
7	FQH-148	61	67	73	62	66
8	IIMRQPMH 1601	54	68	80	65	67
9	IIMRQPMH 1708	48	67	70	64	62
10	IQPMH-18-1	51	68	71	60	62
11	IQPMH-18-2	49	67	77	57	63
12	IQPMH-18-3	49	68	73	61	63
13	IQPMH-18-4	56	67	77	62	65
14	IQPMH-18-5	47	67	68	53	59
15	KDQH-55(CAH1824)	62	67	79	60	67
16	QPMMH 27	46	67	61	53	57
17	QPMMH-41	44	67	63	57	58
18	QQPMH 14153	58	68	78	61	66
19	APQH 9 (C)	56	67	68	60	63
20	HQPM I (C)	47	68	61	47	56
21	HQPM 5 (C)	49	68	62	53	58
22	Pratap QPM Hybrid 1 (C)	54	68	81	61	66
	Location Mean	53	67	71	59	63
	CV (%)	8.9	1.5	8.3	5.4	6.6
	F (Prob)	0.0	0.3	0.0	0.0	0.0
	CD (5%)	7.7	1.6	9.7	5.2	3.3
	CD (1%)	10.3	2.2	13.0	7.0	4.4

Table No. 20 (Contd.) **Plant Height(cm)**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	203	194	167	243	202
2	APQH1(QPM+PRO-A)	188	177	172	232	192
3	APQH5(QPM+PRO-A)	218	192	192	261	216
4	EHQ-64	198	194	168	251	203
5	EHQ-640	200	175	158	231	191
6	FQH-140	164	184	162	230	185
7	FQH-148	203	179	167	246	198
8	IIMRQPMH 1601	173	160	150	206	172
9	IIMRQPMH 1708	209	188	168	235	200
10	IQPMH-18-1	188	185	163	230	192
11	IQPMH-18-2	229	209	182	256	219
12	IQPMH-18-3	180	193	152	219	186
13	IQPMH-18-4	206	187	178	248	205
14	IQPMH-18-5	174	170	157	228	182
15	KDQH-55(CAH1824)	180	169	160	227	184
16	QPMMH 27	204	203	167	265	210
17	QPMMH-41	205	185	170	263	206
18	QQPMH 14153	196	188	197	218	200
19	APQH 9 (C)	186	172	158	245	190
20	HQPM I (C)	177	183	160	227	187
21	HQPM 5 (C)	196	178	178	249	200
22	Pratap QPM Hybrid 1 (C)	199	183	172	240	198
	Location Mean	194	184	168	239	196
	CV (%)	2.2	9.8	6.4	6.8	6.8
	F (Prob)	0.0	0.3	0.0	0.0	0.0
	CD (5%)	7.1	29.6	17.7	26.7	10.8
	CD (1%)	9.6	39.5	23.6	35.7	14.3

Table No. 20 (Contd.) **Ear Height(cm)**

S. No.	Entry Name	NWPZ				
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean
1	APH 2	92	92	83	107	94
2	APQH1(QPM+PRO-A)	92	82	82	95	88
3	APQH5(QPM+PRO-A)	117	86	92	112	102
4	EHQ-64	95	91	65	93	86
5	EHQ-640	100	77	72	100	87
6	FQH-140	75	84	68	89	79
7	FQH-148	100	79	68	101	87
8	IIMRQPMH 1601	88	64	58	79	72
9	IIMRQPMH 1708	109	86	77	105	94
10	IQPMH-18-1	94	91	67	100	88
11	IQPMH-18-2	124	103	90	110	107
12	IQPMH-18-3	77	92	60	88	79
13	IQPMH-18-4	116	86	87	117	101
14	IQPMH-18-5	88	76	67	93	81
15	KDQH-55(CAH1824)	76	72	67	88	76
16	QPMMH 27	103	101	77	113	99
17	QPMMH-41	103	92	78	108	95
18	QQPMH 14153	103	91	93	106	98
19	APQH 9 (C)	88	70	77	101	84
20	HQPM I (C)	79	84	67	83	78
21	HQPM 5 (C)	98	83	93	105	95
22	Pratap QPM Hybrid 1 (C)	87	84	80	85	84
	Location Mean	96	85	76	99	89
	CV (%)	3.0	17.0	13.3	6.9	10.8
	F (Prob)	0.0	0.2	0.0	0.0	0.0
	CD (5%)	4.7	23.8	16.6	11.3	7.7
	CD (1%)	6.2	31.8	22.2	15.1	10.2

Table 21: Trial No. 515 (QPM-I-II-III) Zone 3 Yield (Kg/ha)

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_		Dholi_BH		Ranchi_JH		Sabour_Bih		Z_NEPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APH 1	3960	12	4138	14	5120	13	4833	10	1547	18	5339	16	4858	15
2	APH2	4877	6	4722	6	4738	21	5306	4	2489	13	6021	7	5197	8
3	APH27(PRO-A)	3289	18	4572	7	5588	3	5062	6	2987	9	5589	12	5203	7
4	APQH1(QPM+PRO-A)	3910	13	4827	5	5473	7	5323	3	4567	4	7151	1	5694	2
5	APQH5(QPM+PRO-A)	3834	14	4352	13	5591	2	6034	2	4723	3	5039	19	5254	6
6	EHQ-640	4327	9	4383	12	5603	1	4400	17	2573	11	5593	11	4994	11
7	FQH-140	5522	3	4498	9	5060	15	5022	7	1821	17	6117	6	5174	9
8	FQH-148	4883	5	5939	1	5079	14	4124	21	1519	19	7078	2	5555	3
9	IQPMH-18-1	3964	11	3556	21	5153	11	4992	8	3286	7	5862	9	4891	14
10	IQPMH-18-2	4219	10	5284	2	5293	9	6666	1	6707	1	6311	4	5888	1
11	IQPMH-18-3	3365	17	4123	15	4770	20	4672	12	1131	21	5617	10	4796	16
12	IQPMH-18-4	6618	1	4391	11	5037	16	4850	9	6143	2	5568	13	4962	12
13	IQPMH-18-5	3067	19	3646	20	5138	12	4328	18	1837	16	5183	17	4574	19
14	KDQH-55(CAH1824)	2981	20	3677	19	4916	17	4286	19	2383	14	5094	18	4493	21
15	QPMMH-41	5048	4	5177	3	5481	6	4461	16	4215	6	6020	8	5285	5
16	QQPMH-14153	4634	8	4416	10	5285	10	4528	14	3086	8	5396	14	4906	13
17	APQH 9 (C)	4769	7	4961	4	4875	18	4174	20	1901	15	4143	21	4538	20
18	HQPM I ©	3723	15	3943	18	5374	8	4591	13	1386	20	4704	20	4653	18
19	HQPM 5 (C)	3686	16	3990	17	5531	5	4478	15	2541	12	6142	5	5035	10
20	Pratap QPM Hybrid 1 (C)	6221	2	4498	8	5550	4	5132	5	2600	10	6944	3	5531	4
21	Vivek hybrid 27 (C)	2774	21	4071	16	4783	19	4679	11	4472	5	5380	15	4728	17
	Location Mean	4270	.	4436	.	5211	.	4854	.	3043	.	5728	.	5058	.
	CV (%)	21.4	.	18.7	.	7.7	.	14.3	.	33.2	.	17.5	.	15.1	.
	F (Prob)	0.0	.	0.1	.	0.1	.	0.0	.	0.0	.	0.1	.	0.0	.
	CD (5%)	1507.5	.	1367.7	.	658.4	.	1144.2	.	1664.7	.	1651.1	.	615.1	.
	CD (1%)	2017.3	.	1830.1	.	881.1	.	1531.1	.	2227.6	.	2209.4	.	811.9	.

Table 21 (Contd.) **Gain in Yield(%) over APQH 9 (C)**

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Ranchi_JH		Sabour_Biha		Z_NEPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-17	12	-16.6	14	5.04	13	15.8	10	-18.7	18	28.86	16	7.04	15
2	APH2	2.27	6	-4.8	6	-2.81	21	27.1	4	30.91	13	45.32	7	14.5	8
3	APH27(PRO-A)	-31	18	-7.83	7	14.62	3	21.3	6	57.11	9	34.9	12	14.7	7
4	APQH1(QPM+PRO-A)	-18	13	-2.68	5	12.28	7	27.5	3	140.2	4	72.6	1	25.5	2
5	APQH5(QPM+PRO-A)	-19.6	14	-12.3	13	14.68	2	44.6	2	148.4	3	21.63	19	15.8	6
6	EHQ-640	-9.28	9	-11.7	12	14.93	1	5.41	17	35.31	11	34.98	11	10.1	11
7	FQH-140	15.8	3	-9.32	9	3.8	15	20.3	7	-4.25	17	47.63	6	14	9
8	FQH-148	2.39	5	19.72	1	4.2	14	-1.2	21	-20.1	19	70.82	2	22.4	3
9	IQPMH-18-1	-16.9	11	-28.3	21	5.71	11	19.6	8	72.8	7	41.48	9	7.77	14
10	IQPMH-18-2	-11.5	10	6.52	2	8.57	9	59.7	1	252.8	1	52.33	4	29.8	1
11	IQPMH-18-3	-29.5	17	-16.9	15	-2.14	20	11.9	12	-40.5	21	35.56	10	5.67	16
12	IQPMH-18-4	38.76	1	-11.5	11	3.33	16	16.2	9	223.1	2	34.4	13	9.33	12
13	IQPMH-18-5	-35.7	19	-26.5	20	5.4	12	3.69	18	-3.41	16	25.1	17	0.78	19
14	KDQH-55(CAH1824)	-37.5	20	-25.9	19	0.84	17	2.67	19	25.32	14	22.95	18	-0.99	21
15	QPMMH-41	5.86	4	4.37	3	12.44	6	6.86	16	121.7	6	45.3	8	16.5	5
16	QQPMH-14153	-2.84	8	-11	10	8.42	10	8.48	14	62.29	8	30.24	14	8.11	13
17	APQH 9 (C)	0	7	0	4	0	18	0	20	0	15	0	21	0	20
18	HQPM I ©	-21.9	15	-20.5	18	10.23	8	9.98	13	-27.1	20	13.54	20	2.53	18
19	HQPM 5 (C)	-22.7	16	-19.6	17	13.45	5	7.28	15	33.64	12	48.25	5	11	10
20	Pratap QPM Hybrid 1 (C)	30.44	2	-9.32	8	13.86	4	23	5	36.72	10	67.59	3	21.9	4
21	Vivek hybrid 27 (C)	-41.8	21	-17.9	16	-1.88	19	12.1	11	135.2	5	29.86	15	4.19	17

Table 21 (Contd.) **Gain in Yield(%) over HQPM I**

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Ranchi_JH		Sabour_Bihar		Z_NEPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	6.38	12	4.94	14	-4.71	13	5.27	10	11.61	18	13.49	16	4.4	15
2	APH2	31.02	6	19.76	6	-11.83	21	15.59	4	79.62	13	27.98	7	11.7	8
3	APH27(PRO-A)	-11.7	18	15.96	7	3.98	3	10.27	6	115.57	9	18.81	12	11.8	7
4	APQH1(QPM+PRO-A)	5.04	13	22.43	5	1.86	7	15.95	3	229.55	4	52.02	1	22.4	2
5	APQH5(QPM+PRO-A)	2.98	14	10.38	13	4.03	2	31.43	2	240.78	3	7.12	19	12.9	6
6	EHQ-640	16.22	9	11.15	12	4.26	1	-4.16	17	85.65	11	18.88	11	7.34	11
7	FQH-140	48.34	3	14.08	9	-5.84	15	9.4	7	31.37	17	30.02	6	11.2	9
8	FQH-148	31.17	5	50.61	1	-5.48	14	-10.17	21	9.6	19	50.45	2	19.4	3
9	IQPMH-18-1	6.47	11	-9.82	21	-4.11	11	8.73	8	137.09	7	24.61	9	5.11	14
10	IQPMH-18-2	13.32	10	34	2	-1.51	9	45.19	1	383.99	1	34.16	4	26.6	1
11	IQPMH-18-3	-9.62	17	4.55	15	-11.23	20	1.78	12	-18.39	21	19.39	10	3.06	16
12	IQPMH-18-4	77.76	1	11.35	11	-6.26	16	5.65	9	343.27	2	18.37	13	6.63	12
13	IQPMH-18-5	-17.6	19	-7.55	20	-4.39	12	-5.72	18	32.53	16	10.18	17	-1.7	19
14	KDQH-55(CAH1824)	-19.9	20	-6.76	19	-8.52	17	-6.65	19	71.94	14	8.28	18	-3.44	21
14	Pratap QPM Hybrid 1 (C)	67.1	2	14.08	8	3.29	4	11.79	5	87.59	10	47.61	3	18.9	4
15	QPMMH-41	35.61	4	31.3	3	2	6	-2.84	16	204.18	6	27.97	8	13.6	5
16	QQPMH-14153	24.47	8	11.98	10	-1.65	10	-1.37	14	122.67	8	14.71	14	5.44	13
17	APQH 9 (C)	28.11	7	25.8	4	-9.28	18	-9.08	20	37.21	15	-11.93	21	-2.47	20
18	HQPM I ©	0	15	0	18	0	8	0	13	0	20	0	20	0	18
19	HQPM 5 (C)	-0.98	16	1.2	17	2.92	5	-2.46	15	83.36	12	30.57	5	8.22	10
20	Vivek hybrid 27 (C)	-25.5	21	3.24	16	-10.99	19	1.93	11	222.69	5	14.37	15	1.62	17

Table 21 (Contd.) **Gain in Yield(%) over HQPM 5 (C)**

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Ranchi_JH		Sabour_Biha		Z_NEPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	7.44	12	3.7	14	-7.42	13	7.93	10	-39.1	18	-13.08	16	-3.53	15
2	APH2	32.32	6	18.34	6	-14.33	21	18.5	4	-2.04	13	-1.98	7	3.21	8
3	APH27(PRO-A)	-10.8	18	14.58	7	1.03	3	13.1	6	17.57	9	-9	12	3.33	7
4	APQH1(QPM+PRO-A)	6.09	13	20.98	5	-1.03	7	18.9	3	79.73	4	16.43	1	13.08	2
5	APQH5(QPM+PRO-A)	4.01	14	9.08	13	1.08	2	34.8	2	85.85	3	-17.96	19	4.34	6
6	EHQ-640	17.37	9	9.84	12	1.3	1	-1.74	17	1.25	11	-8.95	11	-0.81	11
7	FQH-140	49.82	3	12.73	9	-8.51	15	12.2	7	-28.4	17	-0.42	6	2.76	9
8	FQH-148	32.47	5	48.83	1	-8.16	14	-7.9	21	-40.2	19	15.22	2	10.32	3
9	IQPMH-18-1	7.53	11	-10.9	21	-6.83	11	11.5	8	29.3	7	-4.57	9	-2.87	14
10	IQPMH-18-2	14.44	10	32.42	2	-4.3	9	48.9	1	164	1	2.75	4	16.94	1
11	IQPMH-18-3	-8.72	17	3.32	15	-13.74	20	4.34	12	-55.5	21	-8.56	10	-4.76	16
12	IQPMH-18-4	79.53	1	10.04	11	-8.92	16	8.32	9	141.8	2	-9.35	13	-1.46	12
13	IQPMH-18-5	-16.8	19	-8.64	20	-7.1	12	-3.35	18	-27.7	16	-15.61	17	-9.17	19
14	KDQH-55(CAH1824)	-19.1	20	-7.86	19	-11.12	17	-4.29	19	-6.23	14	-17.07	18	-10.8	21
15	QPMMH-41	36.96	4	29.75	3	-0.9	6	-0.39	16	65.89	6	-1.99	8	4.95	5
16	QQPMH-14153	25.7	8	10.66	10	-4.44	10	1.12	14	21.44	8	-12.15	14	-2.56	13
17	APQH 9 (C)	29.38	7	24.31	4	-11.86	18	-6.78	20	-25.2	15	-32.55	21	-9.87	20
18	HQPM I ©	0.99	15	-1.18	18	-2.84	8	2.52	13	-45.5	20	-23.41	20	-7.59	18
19	HQPM 5 (C)	0	16	0	17	0	5	0	15	0	12	0	5	0	10
20	Pratap QPM Hybrid 1 (C)	68.76	2	12.73	8	0.36	4	14.6	5	2.3	10	13.05	3	9.85	4
21	Vivek hybrid 27 (C)	-24.7	21	2.02	16	-13.52	19	4.5	11	75.98	5	-12.41	15	-6.1	17

Table 21 (Contd.) **Gain in Yield(%) over Pratap QPM Hybrid 1 (C)**

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Ranchi_JH		Sabour_Biha		Z_NEPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-36.3	12	-8.01	14	-7.75	13	-5.83	10	-40.5	18	-23.11	16	-12.2	15
2	APH2	-21.6	6	4.98	6	-14.63	21	3.39	4	-4.25	13	-13.29	7	-6.04	8
3	APH27(PRO-A)	-47.1	18	1.64	7	0.67	3	-1.36	6	14.92	9	-19.51	12	-5.94	7
4	APQH1(QPM+PRO-A)	-37.1	13	7.32	5	-1.39	7	3.72	3	75.68	4	2.99	1	2.94	2
5	APQH5(QPM+PRO-A)	-38.4	14	-3.24	13	0.72	2	17.57	2	81.67	3	-27.43	19	-5.01	6
6	EHQ-640	-30.5	9	-2.57	12	0.94	1	-14.3	17	-1.03	11	-19.46	11	-9.7	11
7	FQH-140	-11.2	3	0	9	-8.83	15	-2.14	7	-30	17	-11.91	6	-6.45	9
8	FQH-148	-21.5	5	32.02	1	-8.48	14	-19.6	21	-41.6	19	1.92	2	0.43	3
9	IQPMH-18-1	-36.3	11	-21	21	-7.16	11	-2.74	8	26.39	7	-15.58	9	-11.6	14
10	IQPMH-18-2	-32.2	10	17.46	2	-4.64	9	29.88	1	158	1	-9.11	4	6.46	1
11	IQPMH-18-3	-45.9	17	-8.35	15	-14.05	20	-8.96	12	-56.5	21	-19.12	10	-13.3	16
12	IQPMH-18-4	6.38	1	-2.39	11	-9.25	16	-5.49	9	136.3	2	-19.81	13	-10.3	12
13	IQPMH-18-5	-50.7	19	-19	20	-7.43	12	-15.7	18	-29.4	16	-25.35	17	-17.3	19
14	KDQH-55(CAH1824)	-52.1	20	-18.3	19	-11.43	17	-16.5	19	-8.34	14	-26.64	18	-18.8	21
15	QPMMH-41	-18.8	4	15.1	3	-1.25	6	-13.1	16	62.15	6	-13.3	8	-4.46	5
16	QQPMH-14153	-25.5	8	-1.84	10	-4.78	10	-11.8	14	18.7	8	-22.29	14	-11.3	13
17	APQH 9 (C)	-23.3	7	10.28	4	-12.17	18	-18.7	20	-26.9	15	-40.33	21	-18	20
18	HQPM I ©	-40.2	15	-12.3	18	-3.18	8	-10.6	13	-46.7	20	-32.25	20	-15.9	18
19	HQPM 5 (C)	-40.7	16	-11.3	17	-0.36	5	-12.8	15	-2.25	12	-11.54	5	-8.96	10
20	Pratap QPM Hybrid 1 (C)	0	2	0	8	0	4	0	5	0	10	0	3	0	4
21	Vivek hybrid 27 (C)	-55.4	21	-9.5	16	-13.83	19	-8.83	11	72.02	5	-22.52	15	-14.5	17

Table 21 (Contd.) **Gain in Yield(%) over Vivek hybrid 27 (C)**

S. No.	Entry Name	NEPZ													
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Ranchi_JH		Sabour_Biha		Z_NEPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	42.75	12	1.64	14	7.05	13	3.29	10	-65.4	18	-0.77	16	2.73	15
2	APH2	75.82	6	16	6	-0.94	21	13.4	4	-44.3	13	11.9	7	9.91	8
3	APH27(PRO-A)	18.57	18	12.31	7	16.82	3	8.19	6	-33.2	9	3.88	12	10	7
4	APQH1(QPM+PRO-A)	40.96	13	18.58	5	14.44	7	13.76	3	2.13	4	32.92	1	20.4	2
5	APQH5(QPM+PRO-A)	38.2	14	6.91	13	16.88	2	28.95	2	5.61	3	-6.34	19	11.1	6
6	EHQ-640	55.96	9	7.66	12	17.13	1	-5.97	17	-42.5	11	3.95	11	5.63	11
7	FQH-140	99.07	3	10.49	9	5.79	15	7.33	7	-59.3	17	13.68	6	9.43	9
8	FQH-148	76.02	5	45.88	1	6.2	14	-11.9	21	-66	19	31.54	2	17.5	3
9	IQPMH-18-1	42.88	11	-12.7	21	7.74	11	6.68	8	-26.5	7	8.95	9	3.43	14
10	IQPMH-18-2	52.07	10	29.79	2	10.65	9	42.45	1	49.99	1	17.3	4	24.5	1
11	IQPMH-18-3	21.29	17	1.27	15	-0.26	20	-0.15	12	-74.7	21	4.39	10	1.42	16
12	IQPMH-18-4	138.5	1	7.85	11	5.31	16	3.66	9	37.37	2	3.49	13	4.93	12
13	IQPMH-18-5	10.57	19	-10.5	20	7.42	12	-7.5	18	-58.9	16	-3.66	17	-3.27	19
14	KDQH-55(CAH1824)	7.45	20	-9.69	19	2.78	17	-8.41	19	-46.7	14	-5.32	18	-4.98	21
15	QPMMH-41	81.98	4	27.17	3	14.59	6	-4.67	16	-5.74	6	11.89	8	11.8	5
16	QQPMH-14153	67.03	8	8.47	10	10.5	10	-3.23	14	-31	8	0.29	14	3.76	13
17	APQH 9 (C)	71.91	7	21.85	4	1.92	18	-10.8	20	-57.5	15	-22.99	21	-4.02	20
18	HQPM I ©	34.19	15	-3.14	18	12.35	8	-1.89	13	-69	20	-12.57	20	-1.59	18
19	HQPM 5 (C)	32.87	16	-1.98	17	15.63	5	-4.3	15	-43.2	12	14.16	5	6.49	10
20	Pratap QPM Hybrid 1 (C)	124.2	2	10.49	8	16.04	4	9.68	5	-41.9	10	29.06	3	17	4
21	Vivek hybrid 27 (C)	0	21	0	16	0	19	0	11	0	5	0	15	0	17

Table 21 (Contd.) **Moisture%**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	28	24	19	24	23	28	24
2	APH2	27	24	20	26	23	28	25
3	APH27(PRO-A)	20	24	19	24	22	27	23
4	APQH1(QPM+PRO-A)	30	25	20	24	23	28	25
5	APQH5(QPM+PRO-A)	30	24	20	24	23	28	25
6	EHQ-640	26	25	19	24	23	28	24
7	FQH-140	22	24	19	25	23	28	23
8	FQH-148	23	25	19	24	24	27	24
9	IQPMH-18-1	29	25	20	25	23	28	25
10	IQPMH-18-2	26	25	20	26	23	28	24
11	IQPMH-18-3	25	26	20	23	23	28	24
12	IQPMH-18-4	23	26	20	26	23	28	24
13	IQPMH-18-5	22	22	19	24	22	28	23
14	KDQH-55(CAH1824)	25	24	20	26	23	27	24
15	QPMMH-41	26	26	19	24	23	27	24
16	QQPMH-14153	24	25	19	24	22	28	24
17	APQH 9 (C)	20	24	18	23	23	28	23
18	HQPM I ©	29	24	19	25	21	27	24
19	HQPM 5 (C)	27	25	19	25	23	27	24
20	Pratap QPM Hybrid 1 (C)	27	25	19	24	23	28	24
21	Vivek hybrid 27 (C)	24	23	19	24	23	26	23
	Location Mean	25	25	19	24	23	28	24
	CV (%)	5.6	3.8	2.1	5.1	2.1	5.3	4.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.9	0.0
	CD (5%)	2.3	1.5	0.7	2.0	0.8	2.4	0.7
	CD (1%)	3.1	2.1	0.9	2.7	1.0	3.2	0.9

Table 21 (Contd.) **Shelling (%)**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	75	74	80	82	84	76	78
2	APH2	74	76	81	80	82	76	78
3	APH27(PRO-A)	76	76	81	82	79	84	80
4	APQH1(QPM+PRO-A)	75	77	82	84	81	78	79
5	APQH5(QPM+PRO-A)	74	74	80	82	81	75	77
6	EHQ-640	77	76	79	79	82	76	78
7	FQH-140	78	76	81	81	83	75	79
8	FQH-148	80	77	81	81	84	78	80
9	IQPMH-18-1	80	73	82	84	86	77	80
10	IQPMH-18-2	73	77	82	86	83	78	80
11	IQPMH-18-3	81	75	81	81	85	73	79
12	IQPMH-18-4	79	76	80	81	86	82	81
13	IQPMH-18-5	75	73	81	81	82	76	78
14	KDQH-55(CAH1824)	73	74	80	83	80	80	78
15	QPMMH-41	72	78	82	82	80	77	79
16	QQPMH-14153	77	76	81	81	84	72	78
17	APQH 9 (C)	79	76	81	79	82	78	79
18	HQPM I ©	75	76	81	82	84	78	79
19	HQPM 5 (C)	74	73	81	84	77	76	77
20	Pratap QPM Hybrid 1 (C)	76	76	81	82	81	79	79
21	Vivek hybrid 27 (C)	71	75	80	78	83	75	77
	Location Mean	76	75	81	81	82	77	79
	CV (%)	0.9	2.3	0.7	1.8	2.1	4.8	2.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	CD (5%)	1.1	2.9	1.0	2.4	2.9	6.1	1.3
	CD (1%)	1.5	3.9	1.3	3.2	3.9	8.2	1.7

Table 21 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	56	53	50	47	48	47	50
2	APH2	57	51	49	50	49	48	51
3	APH27(PRO-A)	59	49	48	44	47	45	49
4	APQH1(QPM+PRO-A)	60	54	51	50	50	48	52
5	APQH5(QPM+PRO-A)	56	52	51	49	50	48	51
6	EHQ-640	55	52	49	45	47	46	49
7	FQH-140	50	46	47	42	43	40	45
8	FQH-148	52	48	49	44	46	44	47
9	IQPMH-18-1	59	55	51	49	48	47	51
10	IQPMH-18-2	58	54	50	49	51	49	52
11	IQPMH-18-3	57	53	50	49	50	47	51
12	IQPMH-18-4	55	55	49	46	47	46	50
13	IQPMH-18-5	57	52	50	49	51	48	51
14	KDQH-55(CAH1824)	57	56	50	49	50	47	51
15	QPMMH-41	57	52	51	49	49	48	51
16	QQPMH-14153	54	49	50	45	47	44	48
17	APQH 9 (C)	52	46	47	43	40	41	45
18	HQPM I ©	59	54	52	50	49	49	52
19	HQPM 5 (C)	59	56	51	50	49	48	52
20	Pratap QPM Hybrid 1 (C)	55	53	51	49	48	46	50
21	Vivek hybrid 27 (C)	54	49	47	44	46	42	47
	Location Mean	56	52	50	47	48	46	50
	CV (%)	4.4	5.7	2.3	2.4	2.9	2.0	3.7
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	4.1	4.8	1.9	1.9	2.3	1.5	1.2
	CD (1%)	5.5	6.5	2.5	2.5	3.0	2.0	1.6

Table 21 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	56	55	53	48	52	50	53
2	APH2	58	54	52	52	54	52	54
3	APH27(PRO-A)	59	51	50	46	51	49	51
4	APQH1(QPM+PRO-A)	62	55	54	52	55	52	55
5	APQH5(QPM+PRO-A)	58	54	54	51	55	53	54
6	EHQ-640	55	54	52	46	52	49	52
7	FQH-140	51	48	49	43	46	43	47
8	FQH-148	53	50	52	46	50	47	50
9	IQPMH-18-1	59	57	53	51	53	50	54
10	IQPMH-18-2	59	52	53	51	55	52	54
11	IQPMH-18-3	58	55	53	50	54	50	53
12	IQPMH-18-4	56	57	52	47	51	49	52
13	IQPMH-18-5	58	54	53	50	55	52	54
14	KDQH-55(CAH1824)	58	58	53	51	55	50	54
15	QPMMH-41	59	54	54	52	53	53	54
16	QQPMH-14153	55	51	53	47	51	48	51
17	APQH 9 (C)	52	48	49	43	46	45	47
18	HQPM I ©	60	56	54	53	54	54	55
19	HQPM 5 (C)	60	58	54	53	54	52	55
20	Pratap QPM Hybrid 1 (C)	56	55	53	50	52	51	53
21	Vivek hybrid 27 (C)	56	51	50	46	48	46	49
	Location Mean	57	54	52	49	52	50	52
	CV (%)	4.0	6.2	2.2	3.0	2.1	1.7	3.6
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	3.8	5.5	1.9	2.4	1.8	1.4	1.3
	CD (1%)	5.1	7.4	2.5	3.2	2.4	1.9	1.7

Table 21 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	91	85	87	81	88	77	85
2	APH2	89	83	88	81	90	80	85
3	APH27(PRO-A)	86	80	89	75	87	77	82
4	APQH1(QPM+PRO-A)	95	84	88	84	90	85	88
5	APQH5(QPM+PRO-A)	93	84	88	80	90	81	86
6	EHQ-640	90	84	88	76	88	78	84
7	FQH-140	81	81	84	73	83	72	79
8	FQH-148	81	82	84	73	86	74	80
9	IQPMH-18-1	92	86	88	79	89	77	85
10	IQPMH-18-2	93	85	88	79	90	78	86
11	IQPMH-18-3	87	86	89	75	90	75	84
12	IQPMH-18-4	90	86	88	80	88	78	85
13	IQPMH-18-5	91	84	88	80	91	80	86
14	KDQH-55(CAH1824)	91	87	88	77	90	80	86
15	QPMMH-41	90	86	87	81	89	83	86
16	QQPMH-14153	86	81	87	78	87	76	83
17	APQH 9 (C)	84	78	85	73	83	73	79
18	HQPM I ©	94	86	89	85	89	86	88
19	HQPM 5 (C)	94	86	88	86	90	82	88
20	Pratap QPM Hybrid 1 (C)	93	85	88	83	88	81	86
21	Vivek hybrid 27 (C)	85	81	83	71	84	72	80
	Location Mean	89	84	87	79	88	78	84
	CV (%)	4.1	3.0	1.2	3.8	1.2	2.5	2.9
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	6.0	4.2	1.7	4.9	1.7	3.2	1.6
	CD (1%)	8.1	5.6	2.3	6.6	2.3	4.3	2.1

Table 21 (Contd.) **Ear Number**

S. No.	Entry Name	NEPZ					
		BHU_UP	Baharaich_UP	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	50	66	79	33	73	67
2	APH2	68	66	77	42	77	72
3	APH27(PRO-A)	73	64	76	52	78	73
4	APQH1(QPM+PRO-A)	53	66	77	56	79	69
5	APQH5(QPM+PRO-A)	51	63	77	50	75	67
6	EHQ-640	57	66	78	49	78	70
7	FQH-140	74	66	77	53	79	74
8	FQH-148	71	63	79	42	78	73
9	IQPMH-18-1	59	64	75	61	78	69
10	IQPMH-18-2	66	63	79	80	77	71
11	IQPMH-18-3	63	65	78	43	77	71
12	IQPMH-18-4	69	65	79	74	78	73
13	IQPMH-18-5	49	65	80	32	77	68
14	KDQH-55(CAH1824)	63	64	77	48	78	71
15	QPMMH-41	53	66	80	52	76	69
16	QQPMH-14153	68	63	78	54	78	72
17	APQH 9 (C)	73	65	77	37	76	73
18	HQPM I ©	52	65	80	28	75	68
19	HQPM 5 (C)	54	65	75	47	73	67
20	Pratap QPM Hybrid 1 (C)	66	66	78	48	80	72
21	Vivek hybrid 27 (C)	52	64	79	70	79	69
	Location Mean	61	65	78	50	77	70
	CV (%)	13.0	2.5	2.6	20.3	4.2	6.4
	F (Prob)	0.0	0.3	0.2	0.0	0.4	0.0
	CD (5%)	13.1	2.7	3.3	16.7	5.3	3.6
	CD (1%)	17.6	3.6	4.4	22.4	7.1	4.8

Table 21 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	NEPZ					
		BHU_UP	Baharaich_UP	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	55	66	81	67	74	68
2	APH2	71	66	79	80	79	75
3	APH27(PRO-A)	76	64	78	80	80	76
4	APQH1(QPM+PRO-A)	64	67	79	80	79	74
5	APQH5(QPM+PRO-A)	54	64	79	70	77	69
6	EHQ-640	63	67	80	80	79	74
7	FQH-140	78	66	79	83	80	77
8	FQH-148	79	64	81	85	80	78
9	IQPMH-18-1	65	65	78	81	80	74
10	IQPMH-18-2	70	64	80	85	79	76
11	IQPMH-18-3	69	67	80	83	79	75
12	IQPMH-18-4	78	65	81	84	79	77
13	IQPMH-18-5	47	67	80	78	79	70
14	KDQH-55(CAH1824)	70	66	80	86	80	76
15	QPMMH-41	57	66	82	75	77	71
16	QQPMH-14153	72	63	81	81	80	75
17	APQH 9 (C)	79	68	78	80	79	77
18	HQPM I ©	58	65	82	77	78	72
19	HQPM 5 (C)	58	66	78	77	77	71
20	Pratap QPM Hybrid 1 (C)	72	67	81	87	79	77
21	Vivek hybrid 27 (C)	67	64	81	79	80	74
	Location Mean	67	66	80	80	79	74
	CV (%)	8.7	3.0	1.9	8.9	3.2	5.9
	F (Prob)	0.0	0.2	0.0	0.1	0.5	0.0
	CD (5%)	9.6	3.2	2.5	11.7	4.2	3.2
	CD (1%)	12.9	4.3	3.3	15.7	5.6	4.2

Table 21 (Contd.) **Final Plant Stand**

S. No.	Entry Name	NEPZ					
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	57	69	75	82	68	70
2	APH2	74	68	75	81	72	74
3	APH27(PRO-A)	79	67	69	79	73	74
4	APQH1(QPM+PRO-A)	67	67	78	80	73	73
5	APQH5(QPM+PRO-A)	56	66	72	81	70	69
6	EHQ-640	66	68	72	82	72	72
7	FQH-140	81	66	76	81	74	75
8	FQH-148	82	66	72	83	73	75
9	IQPMH-18-1	67	67	72	78	73	72
10	IQPMH-18-2	73	66	76	81	73	74
11	IQPMH-18-3	72	67	75	81	72	73
12	IQPMH-18-4	81	68	73	82	73	75
13	IQPMH-18-5	49	68	72	83	72	69
14	KDQH-55(CAH1824)	73	67	76	80	74	74
15	QPMMH-41	60	69	74	83	70	71
16	QQPMH-14153	75	66	75	82	73	74
17	APQH 9 (C)	82	68	74	80	71	75
18	HQPM I ©	60	68	73	83	71	71
19	HQPM 5 (C)	60	68	73	78	69	70
20	Pratap QPM Hybrid 1 (C)	75	67	73	82	74	74
21	Vivek hybrid 27 (C)	70	67	76	83	73	74
	Location Mean	70	67	74	81	72	73
	CV (%)	8.7	2.7	3.7	2.6	3.7	4.7
	F (Prob)	0.0	0.6	0.1	0.2	0.3	0.0
	CD (5%)	10.0	3.0	4.5	3.4	4.3	2.5
	CD (1%)	13.4	4.0	6.0	4.6	5.8	3.3

Table 21 (Contd.) **Plant Height**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	142	164	150	165	165	167	159
2	APH2	152	175	144	180	163	173	165
3	APH27(PRO-A)	144	165	151	186	173	178	166
4	APQH1(QPM+PRO-A)	135	168	154	174	172	185	165
5	APQH5(QPM+PRO-A)	146	178	164	194	197	177	176
6	EHQ-640	160	173	146	186	187	169	170
7	FQH-140	142	151	146	168	172	162	157
8	FQH-148	143	165	148	187	174	181	166
9	IQPMH-18-1	137	155	148	174	171	168	159
10	IQPMH-18-2	170	172	167	196	206	187	183
11	IQPMH-18-3	120	144	152	166	175	156	152
12	IQPMH-18-4	164	171	160	191	192	175	176
13	IQPMH-18-5	133	153	143	156	168	157	152
14	KDQH-55(CAH1824)	129	149	146	174	172	171	157
15	QPMMH-41	166	169	163	183	193	181	176
16	QQPMH-14153	150	178	152	178	188	186	172
17	APQH 9 (C)	151	164	150	186	185	157	166
18	HQPM I ©	135	161	147	171	169	155	156
19	HQPM 5 (C)	148	168	155	192	187	175	171
20	Pratap QPM Hybrid 1 (C)	156	161	136	182	177	166	163
21	Vivek hybrid 27 (C)	146	153	159	165	175	160	160
	Location Mean	146	164	152	179	179	171	165
	CV (%)	8.5	6.6	5.2	5.5	5.7	5.7	6.2
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	20.4	17.9	13.0	16.2	16.7	16.1	6.7
	CD (1%)	27.4	23.9	17.4	21.6	22.3	21.6	8.8

Table 21 (Contd.) **Ear Height**

S. No.	Entry Name	NEPZ						
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	70	69	63	91	67	88	75
2	APH2	79	78	60	89	76	92	79
3	APH27(PRO-A)	70	66	64	96	62	88	74
4	APQH1(QPM+PRO-A)	65	62	66	93	70	94	75
5	APQH5(QPM+PRO-A)	76	80	71	101	84	86	83
6	EHQ-640	75	76	62	97	73	84	78
7	FQH-140	64	59	63	71	66	73	66
8	FQH-148	72	67	54	93	60	87	72
9	IQPMH-18-1	63	64	62	91	70	79	72
10	IQPMH-18-2	82	80	76	98	91	97	87
11	IQPMH-18-3	53	57	68	81	67	69	66
12	IQPMH-18-4	92	72	74	101	81	90	85
13	IQPMH-18-5	64	62	58	81	74	75	69
14	KDQH-55(CAH1824)	56	52	63	84	66	79	67
15	QPMMH-41	80	68	60	89	73	79	75
16	QQPMH-14153	70	82	69	90	81	96	81
17	APQH 9 (C)	81	72	63	89	69	74	75
18	HQPM I ©	60	60	60	76	69	67	65
19	HQPM 5 (C)	74	75	71	95	71	84	78
20	Pratap QPM Hybrid 1 (C)	74	51	50	81	63	75	66
21	Vivek hybrid 27 (C)	61	57	63	81	66	72	67
	Location Mean	70	67	64	89	71	82	74
	CV (%)	11.0	17.9	9.2	8.3	12.0	10.1	11.5
	F (Prob)	0.0	0.1	0.0	0.0	0.0	0.0	0.0
	CD (5%)	12.8	19.8	9.7	12.2	14.1	13.7	5.6
	CD (1%)	17.2	26.5	12.9	16.3	18.9	18.3	7.4

Table No. 22: Trial No. 516 (QPM-I-II-III) Zone 4 Grain Yield (kg/ha)

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APH 1	6724	15	6658	22	5663	10	5872	15	4205	7	7942	20	6085	19	7712	20	4174	6	6516	22
2	APH 2	6790	13	6323	24	4390	21	5453	21	4455	4	7139	25	5770	24	8585	9	3677	14	6324	26
3	APH 27 (PRO-A)	7099	8	7562	18	3845	26	5012	26	3829	14	8857	8	5922	22	8364	13	3591	18	6744	16
4	APQH 8 (QPM+Pro A)	7794	2	7990	13	5501	14	5914	13	3599	22	8032	18	6610	9	7814	18	4312	5	6673	17
5	APQH1(QPM+PRO-A)	7074	9	7614	17	5616	11	7006	4	3951	12	8738	12	6716	8	9480	1	5027	1	7290	7
6	APQH5(QPM+PRO-A)	7280	6	8432	8	5995	7	6392	8	3787	18	6988	27	7167	4	8267	15	4424	4	6803	14
7	APQH7 (QPM+PRO-A)	6424	20	9727	1	6757	3	7284	2	3975	10	9006	7	7225	3	7695	21	3663	16	7575	2
8	DHM 117 (Filler)	6628	17	8453	7	7046	2	7551	1	4127	9	9021	5	6136	16	9132	4	3685	13	7656	1
9	EHQ-640	7073	10	8079	12	5557	12	6166	11	3538	24	7767	21	5837	23	8740	7	3703	11	6888	9
10	FQH-140	5798	25	6089	26	4268	22	5652	17	4552	3	9080	4	6053	20	8794	6	3080	26	6786	15
11	FQH-148	7481	4	8151	11	5050	17	5421	22	3675	21	9306	2	6255	14	7851	17	4043	7	6926	8
12	IQPMH-18-1	8557	1	8705	5	5931	8	6129	12	4233	6	8494	14	6438	11	9135	3	4941	2	7291	6
13	IQPMH-18-2	5422	26	9199	2	6102	6	6964	5	3749	19	8757	11	6768	6	7776	19	3456	20	7334	5
14	IQPMH-18-3	7604	3	6978	21	5750	9	5594	18	3194	27	9153	3	6769	5	7461	24	4764	3	6479	25
15	IQPMH-18-4	7284	5	7671	16	3402	27	5367	23	4200	8	7737	22	6590	10	8477	10	3675	15	6643	18
16	IQPMH-18-5	6589	18	7272	20	5505	13	5903	14	3952	11	8227	16	5960	21	6819	26	3697	12	6479	24
17	KDQH-55(CAH1824)	5143	27	7726	14	4670	20	4582	27	3532	25	8397	15	5520	26	8441	12	3947	8	6522	21
18	QPMMH-41	6647	16	8383	9	4949	19	6328	9	4431	5	7144	24	7300	1	7977	16	3388	22	6837	12
19	QQPMH-14153	6144	23	8297	10	5446	15	5742	16	3822	15	7670	23	6112	18	7429	25	3420	21	6595	20
20	QQPMH-14191	6235	22	8545	6	6326	5	6630	6	3802	17	8624	13	6764	7	6427	27	3290	25	6836	13
21	APQH 9 (C)	5914	24	6072	27	4084	23	5341	24	3810	16	9007	6	6117	17	9146	2	2975	27	6607	19
22	HQPM I (C)	6838	12	6246	25	4992	18	5542	19	3697	20	7014	26	5236	27	7624	22	3547	19	5992	27
23	HQPM 5 (C)	6752	14	7723	15	4014	25	5053	25	4851	2	8047	17	5639	25	8474	11	3326	24	6864	10
24	HQPM 7 (C)	7171	7	9028	3	6664	4	6592	7	4866	1	8798	9	7268	2	8363	14	3331	23	7528	3
25	Pratap QPM hyrid 1 (C)	6429	19	8833	4	7437	1	7223	3	3561	23	8769	10	6224	15	8592	8	3762	10	7426	4
26	Pusa HM 8 (C)	6273	21	7390	19	4016	24	6313	10	3830	13	8008	19	6332	12	8808	5	3776	9	6852	11
27	Vivek hybrid 27 (C)	6944	11	6452	23	5301	16	5500	20	3376	26	9320	1	6300	13	7609	23	3646	17	6489	23
	Location Mean	6745	.	7763	.	5344	.	6019	.	3948	.	8335	.	6338	.	8185	.	3790	.	6850	.
	CV (%)	15.0	.	14.2	.	15.3	.	8.8	.	15.4	.	13.0	.	10.8	.	12.8	.	13.2	.	13.3	.
	F (Prob)	0.1	.	0.0	.	0.0	.	0.0	.	0.2	.	0.2	.	0.0	.	0.3	.	0.0	.	0.0	.
	CD (5%)	1660.3	.	1810.5	.	1340.8	.	874.3	.	998.7	.	1773.6	.	1123.4	.	1723.6	.	820.5	.	682.8	.
	CD (1%)	2216.4	.	2416.8	.	1789.8	.	1167.1	.	1333.1	.	2367.6	.	1499.6	.	2300.9	.	1095.3	.	900.2	.

Table No. 22 (Contd.) **Gain in Yield(%) over APQH 9 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	13.7	15	9.65	22	38.67	10	9.96	15	10.36	7	-11.82	20	-0.53	19	-15.69	20	40.3	6	-1.39	22
2	APH 2	14.82	13	4.13	24	7.49	21	2.11	21	16.93	4	-20.73	25	-5.68	24	-6.13	9	23.6	14	-4.3	26
3	APH 27 (PRO-A)	20.04	8	24.5	18	-5.85	26	-6.15	26	0.5	14	-1.66	8	-3.19	22	-8.55	13	20.7	18	2.06	16
4	APQH 8 (QPM+Pro A)	31.8	2	31.6	13	34.7	14	10.74	13	-5.54	22	-10.82	18	8.05	9	-14.57	18	45	5	0.99	17
5	APQH1(QPM+PRO-A)	19.63	9	25.4	17	37.52	11	31.18	4	3.68	12	-2.98	12	9.78	8	3.65	1	69	1	10.3	7
6	APQH5(QPM+PRO-A)	23.11	6	38.9	8	46.79	7	19.68	8	-0.61	18	-22.41	27	17.15	4	-9.62	15	48.7	4	2.96	14
7	APQH7 (QPM+PRO-A)	8.63	20	60.2	1	65.47	3	36.4	2	4.32	10	-0.01	7	18.11	3	-15.87	21	23.1	16	14.7	2
8	DHM 117 (Filler)	12.08	17	39.2	7	72.54	2	41.39	1	8.31	9	0.15	5	0.3	16	-0.16	4	23.9	13	15.9	1
9	EHQ-640	19.6	10	33.1	12	36.07	12	15.45	11	-7.14	24	-13.76	21	-4.58	23	-4.44	7	24.5	11	4.24	9
10	FQH-140	-1.95	25	0.28	26	4.51	22	5.83	17	19.47	3	0.81	4	-1.06	20	-3.86	6	3.54	26	2.7	15
11	FQH-148	26.5	4	34.2	11	23.65	17	1.52	22	-3.55	21	3.33	2	2.24	14	-14.16	17	35.9	7	4.82	8
12	IQPMH-18-1	44.69	1	43.4	5	45.24	8	14.77	12	11.09	6	-5.69	14	5.23	11	-0.13	3	66.1	2	10.4	6
13	IQPMH-18-2	-8.31	26	51.5	2	49.43	6	30.4	5	-1.6	19	-2.78	11	10.64	6	-14.98	19	16.2	20	11	5
14	IQPMH-18-3	28.59	3	14.9	21	40.8	9	4.75	18	-16.2	27	1.62	3	10.64	5	-18.42	24	60.2	3	-1.95	25
15	IQPMH-18-4	23.17	5	26.3	16	-16.7	27	0.5	23	10.22	8	-14.1	22	7.72	10	-7.32	10	23.5	15	0.53	18
16	IQPMH-18-5	11.41	18	19.8	20	34.81	13	10.53	14	3.71	11	-8.66	16	-2.57	21	-25.45	26	24.3	12	-1.94	24
17	KDQH-55(CAH1824)	-13	27	27.2	14	14.36	20	-14.21	27	-7.31	25	-6.77	15	-9.77	26	-7.71	12	32.7	8	-1.3	21
18	QPMMH-41	12.41	16	38.1	9	21.2	19	18.49	9	16.29	5	-20.68	24	19.33	1	-12.78	16	13.9	22	3.47	12
19	QQPMH-14153	3.9	23	36.6	10	33.37	15	7.52	16	0.32	15	-14.84	23	-0.1	18	-18.78	25	15	21	-0.19	20
20	QQPMH-14191	5.43	22	40.7	6	54.9	5	24.14	6	-0.21	17	-4.25	13	10.57	7	-29.73	27	10.6	25	3.45	13
21	APQH 9 (C)	0	24	0	27	0	23	0	24	0	16	0	6	0	17	0	2	0	27	0	19
22	HQPM I (C)	15.63	12	2.86	25	22.24	18	3.77	19	-2.96	20	-22.12	26	-14.41	27	-16.64	22	19.2	19	-9.32	27
23	HQPM 5 (C)	14.17	14	27.2	15	-1.71	25	-5.39	25	27.3	2	-10.66	17	-7.82	25	-7.35	11	11.8	24	3.87	10
24	HQPM 7 (C)	21.27	7	48.7	3	63.18	4	23.42	7	27.71	1	-2.32	9	18.81	2	-8.56	14	12	23	13.9	3
25	Pratap QPM hyrid 1 (C)	8.72	19	45.5	4	82.11	1	35.25	3	-6.56	23	-2.63	10	1.74	15	-6.06	8	26.5	10	12.4	4
26	Pusa HM 8 (C)	6.07	21	21.7	19	-1.67	24	18.21	10	0.52	13	-11.09	19	3.51	12	-3.7	5	26.9	9	3.7	11
27	Vivek hybrid 27 (C)	17.42	11	6.25	23	29.8	16	2.99	20	-11.4	26	3.48	1	2.98	13	-16.81	23	22.6	17	-1.79	23

Table No. 22 (Contd.) **Gain in Yield(%) over HQPM I (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-1.67	15	6.6	22	13.45	10	5.96	15	13.73	7	13.23	20	16.21	19	1.14	20	17.69	6	8.74	22
2	APH 2	-0.7	13	1.23	24	-12.1	21	-1.59	21	20.5	4	1.79	25	10.2	24	12.6	9	3.67	14	5.54	26
3	APH 27 (PRO-A)	3.82	8	21.1	18	-23	26	-9.56	26	3.57	14	26.27	8	13.1	22	9.7	13	1.25	18	12.6	16
4	APQH 8 (QPM+Pro A)	13.99	2	27.9	13	10.19	14	6.71	13	-2.66	22	14.52	18	26.24	9	2.48	18	21.58	5	11.4	17
5	APQH1(QPM+PRO-A)	3.46	9	21.9	17	12.5	11	26.41	4	6.85	12	24.57	12	28.26	8	24.34	1	41.74	1	21.7	7
6	APQH5(QPM+PRO-A)	6.47	6	35	8	20.09	7	15.34	8	2.43	18	-0.38	27	36.87	4	8.42	15	24.73	4	13.5	14
7	APQH7 (QPM+PRO-A)	-6.05	20	55.7	1	35.36	3	31.44	2	7.5	10	28.4	7	37.99	3	0.92	21	3.26	16	26.4	2
8	DHM 117 (Filler)	-3.07	17	35.3	7	41.15	2	36.25	1	11.62	9	28.6	5	17.18	16	19.77	4	3.89	13	27.8	1
9	EHQ-640	3.44	10	29.4	12	11.31	12	11.26	11	-4.31	24	10.74	21	11.48	23	14.63	7	4.41	11	15	9
10	FQH-140	-15.2	25	-2.51	26	-14.5	22	1.99	17	23.12	3	29.45	4	15.6	20	15.33	6	-13.2	26	13.3	15
11	FQH-148	9.4	4	30.5	11	1.15	17	-2.17	22	-0.61	21	32.68	2	19.45	14	2.97	17	14	7	15.6	8
12	IQPMH-18-1	25.13	1	39.4	5	18.82	8	10.6	12	14.48	6	21.1	14	22.95	11	19.81	3	39.29	2	21.7	6
13	IQPMH-18-2	-20.7	26	47.3	2	22.24	6	25.66	5	1.4	19	24.84	11	29.27	6	1.99	19	-2.57	20	22.4	5
14	IQPMH-18-3	11.21	3	11.7	21	15.18	9	0.95	18	-13.6	27	30.49	3	29.27	5	-2.14	24	34.32	3	8.13	25
15	IQPMH-18-4	6.52	5	22.8	16	-31.8	27	-3.15	23	13.59	8	10.3	22	25.86	10	11.19	10	3.61	15	10.9	18
16	IQPMH-18-5	-3.65	18	16.4	20	10.28	13	6.51	14	6.88	11	17.29	16	13.83	21	-10.57	26	4.22	12	8.14	24
17	KDQH-55(CAH1824)	-24.8	27	23.7	14	-6.44	20	-17.33	27	-4.48	25	19.71	15	5.42	26	10.72	12	11.28	8	8.84	21
18	QPMMH-41	-2.79	16	34.2	9	-0.85	19	14.19	9	19.84	5	1.85	24	39.42	1	4.63	16	-4.48	22	14.1	12
19	QQPMH-14153	-10.2	23	32.8	10	9.1	15	3.62	16	3.38	15	9.35	23	16.72	18	-2.57	25	-3.58	21	10.1	20
20	QQPMH-14191	-8.82	22	36.8	6	26.72	5	19.63	6	2.83	17	22.95	13	29.19	7	-15.7	27	-7.24	25	14.1	13
21	APQH 9 (C)	-13.5	24	-2.78	27	-18.2	23	-3.63	24	3.05	16	28.41	6	16.83	17	19.96	2	-16.1	27	10.3	19
22	HQPM I (C)	0	12	0	25	0	18	0	19	0	20	0	26	0	27	0	22	0	19	0	27
23	HQPM 5 (C)	-1.26	14	23.7	15	-19.6	25	-8.82	25	31.19	2	14.72	17	7.7	25	11.15	11	-6.23	24	14.6	10
24	HQPM 7 (C)	4.88	7	44.5	3	33.49	4	18.94	7	31.61	1	25.43	9	38.82	2	9.69	14	-6.08	23	25.6	3
25	Pratap QPM hyrid 1 (C)	-5.98	19	41.4	4	48.98	1	30.34	3	-3.7	23	25.02	10	18.87	15	12.69	8	6.06	10	23.9	4
26	Pusa HM 8 (C)	-8.26	21	18.3	19	-19.6	24	13.92	10	3.59	13	14.17	19	20.94	12	15.52	5	6.46	9	14.4	11
27	Vivek hybrid 27 (C)	1.55	11	3.29	23	6.18	16	-0.75	20	-8.69	26	32.88	1	20.32	13	-0.21	23	2.8	17	8.3	23

Table No. 22 (Contd.) **Gain in Yield(%) over HQPM 5 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-0.41	15	-13.8	22	41.08	10	16.22	15	-13.3	7	-1.3	20	7.91	19	-9	20	25.5	6	-5.07	22
2	APH 2	0.57	13	-18.1	24	9.36	21	7.93	21	-8.15	4	-11.28	25	2.32	24	1.31	9	10.55	14	-7.87	26
3	APH 27 (PRO-A)	5.14	8	-2.09	18	-4.22	26	-0.81	26	-21.1	14	10.06	8	5.02	22	-1.3	13	7.97	18	-1.75	16
4	APQH 8 (QPM+Pro A)	15.44	2	3.46	13	37.04	14	17.04	13	-25.8	22	-0.18	18	17.21	9	-7.8	18	29.65	5	-2.78	17
5	APQH1(QPM+PRO-A)	4.78	9	-1.41	17	39.91	11	38.65	4	-18.6	12	8.59	12	19.09	8	11.87	1	51.15	1	6.21	7
6	APQH5(QPM+PRO-A)	7.83	6	9.18	8	49.34	7	26.5	8	-21.9	18	-13.16	27	27.09	4	-2.45	15	33.01	4	-0.88	14
7	APQH7 (QPM+PRO-A)	-4.85	20	25.95	1	68.34	3	44.16	2	-18.1	10	11.92	7	28.13	3	-9.2	21	10.11	16	10.4	2
8	DHM 117 (Filler)	-1.83	17	9.45	7	75.54	2	49.44	1	-14.9	9	12.1	5	8.81	16	7.76	4	10.79	13	11.5	1
9	EHQ-640	4.76	10	4.61	12	38.43	12	22.03	11	-27.1	24	-3.47	21	3.51	23	3.14	7	11.34	11	0.36	9
10	FQH-140	-14.1	25	-21.2	26	6.32	22	11.86	17	-6.15	3	12.84	4	7.34	20	3.77	6	-7.4	26	-1.13	15
11	FQH-148	10.8	4	5.54	11	25.8	17	7.29	22	-24.2	21	15.65	2	10.91	14	-7.36	17	21.56	7	0.91	8
12	IQPMH-18-1	26.73	1	12.72	5	47.77	8	21.31	12	-12.7	6	5.55	14	14.16	11	7.79	3	48.54	2	6.24	6
13	IQPMH-18-2	-19.7	26	19.11	2	52.02	6	37.82	5	-22.7	19	8.82	11	20.02	6	-8.24	19	3.9	20	6.86	5
14	IQPMH-18-3	12.63	3	-9.65	21	43.25	9	10.71	18	-34.2	27	13.74	3	20.03	5	-11.95	24	43.23	3	-5.61	25
15	IQPMH-18-4	7.88	5	-0.68	16	-15.2	27	6.22	23	-13.4	8	-3.86	22	16.86	10	0.04	10	10.48	15	-3.22	18
16	IQPMH-18-5	-2.42	18	-5.84	20	37.15	13	16.82	14	-18.5	11	2.24	16	5.69	21	-19.53	26	11.14	12	-5.6	24
17	KDQH-55(CAH1824)	-23.8	27	0.03	14	16.35	20	-9.33	27	-27.2	25	4.35	15	-2.12	26	-0.39	12	18.67	8	-4.98	21
18	QPMMH-41	-1.55	16	8.55	9	23.3	19	25.24	9	-8.65	5	-11.22	24	29.45	1	-5.86	16	1.86	22	-0.39	12
19	QQPMH-14153	-9	23	7.43	10	35.68	15	13.64	16	-21.2	15	-4.68	23	8.38	18	-12.34	25	2.82	21	-3.91	20
20	QQPMH-14191	-7.65	22	10.65	6	57.59	5	31.21	6	-21.6	17	7.17	13	19.95	7	-24.15	27	-1.08	25	-0.41	13
21	APQH 9 (C)	-12.4	24	-21.4	27	1.74	23	5.69	24	-21.4	16	11.93	6	8.48	17	7.93	2	-10.6	27	-3.73	19
22	HQPM I (C)	1.28	12	-19.1	25	24.36	18	9.68	19	-23.8	20	-12.83	26	-7.15	27	-10.03	22	6.64	19	-12.7	27
23	HQPM 5 (C)	0	14	0	15	0	25	0	25	0	2	0	17	0	25	0	11	0	24	0	10
24	HQPM 7 (C)	6.22	7	16.89	3	66.01	4	30.45	7	0.32	1	9.33	9	28.89	2	-1.31	14	0.16	23	9.68	3
25	Pratap QPM hyrid 1 (C)	-4.78	19	14.38	4	85.28	1	42.95	3	-26.6	23	8.98	10	10.37	15	1.39	8	13.1	10	8.19	4
26	Pusa HM 8 (C)	-7.09	21	-4.31	19	0.04	24	24.94	10	-21	13	-0.49	19	12.29	12	3.94	5	13.53	9	-0.17	11
27	Vivek hybrid 27 (C)	2.85	11	-16.5	23	32.05	16	8.86	20	-30.4	26	15.82	1	11.72	13	-10.22	23	9.63	17	-5.45	23

Table No. 22 (Contd.) **Gain in Yield(%) over HQPM 7 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-6.24	15	-26.3	22	-15	10	-10.91	15	-13.6	7	-9.73	20	-16.28	19	-7.79	20	25.3	6	-13.5	22
2	APH 2	-5.32	13	-30	24	-34.1	21	-17.27	21	-8.44	4	-18.85	25	-20.61	24	2.65	9	10.38	14	-16	26
3	APH 27 (PRO-A)	-1.01	8	-16.2	18	-42.3	26	-23.97	26	-21.3	14	0.67	8	-18.52	22	0.01	13	7.8	18	-10.4	16
4	APQH 8 (QPM+Pro A)	8.69	2	-11.5	13	-17.5	14	-10.28	13	-26	22	-8.7	18	-9.06	9	-6.58	18	29.44	5	-11.4	17
5	APQH1(QPM+PRO-A)	-1.35	9	-15.7	17	-15.7	11	6.28	4	-18.8	12	-0.68	12	-7.61	8	13.35	1	50.91	1	-3.17	7
6	APQH5(QPM+PRO-A)	1.52	6	-6.6	8	-10	7	-3.03	8	-22.2	18	-20.57	27	-1.4	4	-1.16	15	32.8	4	-9.63	14
7	APQH7 (QPM+PRO-A)	-10.4	20	7.75	1	1.4	3	10.51	2	-18.3	10	2.37	7	-0.59	3	-8	21	9.94	16	0.63	2
8	DHM 117 (Filler)	-7.57	17	-6.37	7	5.74	2	14.55	1	-15.2	9	2.53	5	-15.58	16	9.19	4	10.61	13	1.69	1
9	EHQ-640	-1.37	10	-10.5	12	-16.6	12	-6.46	11	-27.3	24	-11.71	21	-19.69	23	4.5	7	11.16	11	-8.5	9
10	FQH-140	-19.2	25	-32.6	26	-36	22	-14.26	17	-6.45	3	3.21	4	-16.72	20	5.14	6	-7.55	26	-9.86	15
11	FQH-148	4.31	4	-9.71	11	-24.2	17	-17.75	22	-24.5	21	5.78	2	-13.95	14	-6.13	17	21.37	7	-8	8
12	IQPMH-18-1	19.31	1	-3.57	5	-11	8	-7.01	12	-13	6	-3.45	14	-11.43	11	9.22	3	48.31	2	-3.14	6
13	IQPMH-18-2	-24.4	26	1.9	2	-8.43	6	5.65	5	-23	19	-0.47	11	-6.88	6	-7.02	19	3.74	20	-2.58	5
14	IQPMH-18-3	6.03	3	-22.7	21	-13.7	9	-15.13	18	-34.4	27	4.03	3	-6.88	5	-10.79	24	43.01	3	-13.9	25
15	IQPMH-18-4	1.57	5	-15	16	-48.9	27	-18.57	23	-13.7	8	-12.06	22	-9.33	10	1.36	10	10.31	15	-11.8	18
16	IQPMH-18-5	-8.13	18	-19.5	20	-17.4	13	-10.45	14	-18.8	11	-6.49	16	-18	21	-18.47	26	10.97	12	-13.9	24
17	KDQH-55(CAH1824)	-28.3	27	-14.4	14	-29.9	20	-30.49	27	-27.4	25	-4.56	15	-24.06	26	0.93	12	18.48	8	-13.4	21
18	QPMMH-41	-7.31	16	-7.14	9	-25.7	19	-4	9	-8.94	5	-18.8	24	0.44	1	-4.62	16	1.7	22	-9.18	12
19	QQPMH-14153	-14.3	23	-8.09	10	-18.3	15	-12.89	16	-21.5	15	-12.82	23	-15.92	18	-11.18	25	2.65	21	-12.4	20
20	QQPMH-14191	-13.1	22	-5.34	6	-5.07	5	0.58	6	-21.9	17	-1.98	13	-6.94	7	-23.15	27	-1.24	25	-9.2	13
21	APQH 9 (C)	-17.5	24	-32.7	27	-38.7	23	-18.98	24	-21.7	16	2.37	6	-15.84	17	9.36	2	-10.7	27	-12.2	19
22	HQPM I (C)	-4.65	12	-30.8	25	-25.1	18	-15.93	19	-24	20	-20.27	26	-27.96	27	-8.84	22	6.47	19	-20.4	27
23	HQPM 5 (C)	-5.85	14	-14.5	15	-39.8	25	-23.34	25	-0.32	2	-8.53	17	-22.42	25	1.32	11	-0.16	24	-8.83	10
24	HQPM 7 (C)	0	7	0	3	0	4	0	7	0	1	0	9	0	2	0	14	0	23	0	3
25	Pratap QPM hyrid 1 (C)	-10.4	19	-2.15	4	11.6	1	9.58	3	-26.8	23	-0.32	10	-14.37	15	2.73	8	12.92	10	-1.36	4
26	Pusa HM 8 (C)	-12.5	21	-18.1	19	-39.7	24	-4.22	10	-21.3	13	-8.98	19	-12.88	12	5.32	5	13.35	9	-8.98	11
27	Vivek hybrid 27 (C)	-3.17	11	-28.5	23	-20.5	16	-16.55	20	-30.6	26	5.94	1	-13.32	13	-9.03	23	9.46	17	-13.8	23

Table No. 22 (Contd.) **Gain in Yield(%) over Pratap QPM hyrid 1 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	4.58	15	-24.6	22	-23.9	10	-18.7	15	18.1	7	-9.44	20	-2.23	19	-10.25	20	10.96	6	-12.3	22
2	APH 2	5.62	13	-28.4	24	-41	21	-24.5	21	25.13	4	-18.59	25	-7.29	24	-0.08	9	-2.25	14	-14.8	26
3	APH 27 (PRO-A)	10.42	8	-14.4	18	-48.3	26	-30.61	26	7.55	14	1	8	-4.85	22	-2.65	13	-4.53	18	-9.18	16
4	APQH 8 (QPM+Pro A)	21.23	2	-9.54	13	-26	14	-18.13	13	1.09	22	-8.41	18	6.2	9	-9.06	18	14.63	5	-10.1	17
5	APQH1(QPM+PRO-A)	10.04	9	-13.8	17	-24.5	11	-3.01	4	10.95	12	-0.36	12	7.9	8	10.33	1	33.64	1	-1.83	7
6	APQH5(QPM+PRO-A)	13.24	6	-4.54	8	-19.4	7	-11.51	8	6.37	18	-20.32	27	15.14	4	-3.79	15	17.6	4	-8.38	14
7	APQH7 (QPM+PRO-A)	-0.08	20	10.12	1	-9.14	3	0.85	2	11.63	10	2.7	7	16.09	3	-10.44	21	-2.64	16	2.02	2
8	DHM 117 (Filler)	3.1	17	-4.3	7	-5.26	2	4.54	1	15.91	9	2.86	5	-1.42	16	6.28	4	-2.05	13	3.1	1
9	EHQ-640	10.02	10	-8.54	12	-25.3	12	-14.64	11	-0.63	24	-11.43	21	-6.22	23	1.72	7	-1.56	11	-7.24	9
10	FQH-140	-9.81	25	-31.1	26	-42.6	22	-21.75	17	27.85	3	3.54	4	-2.75	20	2.35	6	-18.1	26	-8.62	15
11	FQH-148	16.35	4	-7.72	11	-32.1	17	-24.94	22	3.22	21	6.12	2	0.49	14	-8.63	17	7.48	7	-6.73	8
12	IQPMH-18-1	33.09	1	-1.45	5	-20.3	8	-15.14	12	18.88	6	-3.14	14	3.43	11	6.32	3	31.34	2	-1.81	6
13	IQPMH-18-2	-15.7	26	4.14	2	-18	6	-3.59	5	5.3	19	-0.15	11	8.75	6	-9.49	19	-8.13	20	-1.23	5
14	IQPMH-18-3	18.28	3	-21	21	-22.7	9	-22.55	18	-10.3	27	4.37	3	8.75	5	-13.16	24	26.64	3	-12.8	25
15	IQPMH-18-4	13.29	5	-13.2	16	-54.3	27	-25.69	23	17.95	8	-11.78	22	5.88	10	-1.34	10	-2.31	15	-10.5	18
16	IQPMH-18-5	2.48	18	-17.7	20	-26	13	-18.28	14	10.99	11	-6.19	16	-4.24	21	-20.64	26	-1.73	12	-12.7	24
17	KDQH-55(CAH1824)	-20	27	-12.5	14	-37.2	20	-36.57	27	-0.8	25	-4.25	15	-11.32	26	-1.75	12	4.93	8	-12.2	21
18	QPMMH-41	3.39	16	-5.1	9	-33.5	19	-12.39	9	24.45	5	-18.54	24	17.29	1	-7.15	16	-9.94	22	-7.93	12
19	QQPMH-14153	-4.43	23	-6.07	10	-26.8	15	-20.5	16	7.36	15	-12.54	23	-1.81	18	-13.54	25	-9.09	21	-11.2	20
20	QQPMH-14191	-3.02	22	-3.26	6	-14.9	5	-8.21	6	6.79	17	-1.66	13	8.68	7	-25.19	27	-12.5	25	-7.94	13
21	APQH 9 (C)	-8.02	24	-31.3	27	-45.1	23	-26.06	24	7.02	16	2.7	6	-1.71	17	6.45	2	-20.9	27	-11	19
22	HQPM I (C)	6.36	12	-29.3	25	-32.9	18	-23.28	19	3.84	20	-20.02	26	-15.87	27	-11.26	22	-5.71	19	-19.3	27
23	HQPM 5 (C)	5.02	14	-12.6	15	-46	25	-30.05	25	36.23	2	-8.24	17	-9.4	25	-1.37	11	-11.6	24	-7.57	10
24	HQPM 7 (C)	11.55	7	2.2	3	-10.4	4	-8.74	7	36.67	1	0.32	9	16.78	2	-2.66	14	-11.4	23	1.38	3
25	Pratap QPM hyrid 1 (C)	0	19	0	4	0	1	0	3	0	23	0	10	0	15	0	8	0	10	0	4
26	Pusa HM 8 (C)	-2.43	21	-16.3	19	-46	24	-12.6	10	7.57	13	-8.68	19	1.74	12	2.51	5	0.38	9	-7.72	11
27	Vivek hybrid 27 (C)	8.01	11	-27	23	-28.7	16	-23.85	20	-5.18	26	6.28	1	1.22	13	-11.45	23	-3.07	17	-12.6	23

Table No. 22 (Contd.) **Gain in Yield(%) over Pusa HM 8 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	7.19	15	-9.9	22	41.02	10	-6.99	15	9.79	7	-0.82	20	-3.9	19	-12.45	20	10.55	6	-4.91	22
2	APH 2	8.25	13	-14.4	24	9.32	21	-13.62	21	16.32	4	-10.84	25	-8.88	24	-2.53	9	-2.62	14	-7.71	26
3	APH 27 (PRO-A)	13.17	8	2.33	18	-4.26	26	-20.61	26	-0.02	14	10.6	8	-6.48	22	-5.04	13	-4.89	18	-1.58	16
4	APQH 8 (QPM+Pro A)	24.25	2	8.13	13	36.98	14	-6.33	13	-6.03	22	0.31	18	4.38	9	-11.29	18	14.2	5	-2.62	17
5	APQH1(QPM+PRO-A)	12.78	9	3.03	17	39.85	11	10.97	4	3.14	12	9.12	12	6.05	8	7.63	1	33.14	1	6.39	7
6	APQH5(QPM+PRO-A)	16.06	6	14.1	8	49.28	7	1.24	8	-1.12	18	-12.74	27	13.18	4	-6.15	15	17.16	4	-0.72	14
7	APQH7 (QPM+PRO-A)	2.42	20	31.63	1	68.27	3	15.38	2	3.78	10	12.46	7	14.1	3	-12.64	21	-3.01	16	10.55	2
8	DHM 117 (Filler)	5.67	17	14.38	7	75.46	2	19.6	1	7.75	9	12.65	5	-3.1	16	3.68	4	-2.41	13	11.73	1
9	EHQ-640	12.76	10	9.32	12	38.37	12	-2.33	11	-7.62	24	-3	21	-7.82	23	-0.77	7	-1.93	11	0.52	9
10	FQH-140	-7.56	25	-17.6	26	6.28	22	-10.48	17	18.85	3	13.39	4	-4.41	20	-0.16	6	-18.4	26	-0.97	15
11	FQH-148	19.25	4	10.3	11	25.75	17	-14.13	22	-4.05	21	16.21	2	-1.23	14	-10.87	17	7.08	7	1.08	8
12	IQPMH-18-1	36.41	1	17.8	5	47.7	8	-2.91	12	10.51	6	6.07	14	1.66	11	3.71	3	30.84	2	6.41	6
13	IQPMH-18-2	-13.6	26	24.48	2	51.96	6	10.31	5	-2.11	19	9.35	11	6.89	6	-11.71	19	-8.48	20	7.03	5
14	IQPMH-18-3	21.22	3	-5.58	21	43.18	9	-11.39	18	-16.6	27	14.3	3	6.89	5	-15.29	24	26.17	3	-5.45	25
15	IQPMH-18-4	16.12	5	3.8	16	-15.3	27	-14.98	23	9.65	8	-3.39	22	4.07	10	-3.76	10	-2.68	15	-3.06	18
16	IQPMH-18-5	5.03	18	-1.59	20	37.09	13	-6.5	14	3.17	11	2.73	16	-5.88	21	-22.58	26	-2.1	12	-5.44	24
17	KDQH-55(CAH1824)	-18	27	4.54	14	16.3	20	-27.43	27	-7.79	25	4.86	15	-12.83	26	-4.16	12	4.53	8	-4.82	21
18	QPMMH-41	5.97	16	13.44	9	23.25	19	0.24	9	15.69	5	-10.79	24	15.29	1	-9.43	16	-10.3	22	-0.22	12
19	QQPMH-14153	-2.05	23	12.27	10	35.62	15	-9.05	16	-0.2	15	-4.22	23	-3.49	18	-15.66	25	-9.43	21	-3.75	20
20	QQPMH-14191	-0.6	22	15.64	6	57.52	5	5.01	6	-0.73	17	7.69	13	6.82	7	-27.03	27	-12.9	25	-0.24	13
21	APQH 9 (C)	-5.73	24	-17.8	27	1.69	23	-15.41	24	-0.52	16	12.47	6	-3.39	17	3.84	2	-21.2	27	-3.57	19
22	HQPM I (C)	9.01	12	-15.5	25	24.31	18	-12.22	19	-3.47	20	-12.41	26	-17.31	27	-13.44	22	-6.07	19	-12.6	27
23	HQPM 5 (C)	7.63	14	4.51	15	-0.04	25	-19.96	25	26.64	2	0.49	17	-10.94	25	-3.79	11	-11.9	24	0.17	10
24	HQPM 7 (C)	14.33	7	22.16	3	65.94	4	4.41	7	27.04	1	9.87	9	14.78	2	-5.05	14	-11.8	23	9.87	3
25	Pratap QPM hyrid 1 (C)	2.49	19	19.53	4	85.2	1	14.41	3	-7.04	23	9.51	10	-1.71	15	-2.45	8	-0.38	10	8.37	4
26	Pusa HM 8 (C)	0	21	0	19	0	24	0	10	0	13	0	19	0	12	0	5	0	9	0	11
27	Vivek hybrid 27 (C)	10.7	11	-12.7	23	32	16	-12.88	20	-11.9	26	16.39	1	-0.51	13	-13.62	23	-3.43	17	-5.29	23

Table No. 22 (Contd.) **Gain in Yield(%) over Vivek hybrid 27 (C)**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolhapur_MH		Mandya_KR		Pedda_AP		Rahuri_MH		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH 1	-3.17	15	3.2	22	6.84	10	6.76	15	24.6	7	-14.79	20	-3.41	19	1.36	20	14.48	6	0.41	22
2	APH 2	-2.21	13	-2	24	-17.2	21	-0.85	21	32	4	-23.4	25	-8.41	24	12.84	9	0.84	14	-2.55	26
3	APH 27 (PRO-A)	2.23	8	17.2	18	-27.5	26	-8.88	26	13.4	14	-4.97	8	-6	22	9.93	13	-1.51	18	3.92	16
4	APQH 8 (QPM+Pro A)	12.24	2	23.9	13	3.77	14	7.52	13	6.61	22	-13.82	18	4.92	9	2.69	18	18.26	5	2.83	17
5	APQH1(QPM+PRO-A)	1.88	9	18	17	5.95	11	27.37	4	17	12	-6.25	12	6.59	8	24.6	1	37.87	1	12.3	7
6	APQH5(QPM+PRO-A)	4.84	6	30.7	8	13.09	7	16.21	8	12.2	18	-25.03	27	13.76	4	8.65	15	21.33	4	4.83	14
7	APQH7 (QPM+PRO-A)	-7.48	20	50.8	1	27.48	3	32.43	2	17.7	10	-3.37	7	14.69	3	1.13	21	0.44	16	16.7	2
8	DHM 117 (Filler)	-4.55	17	31	7	32.93	2	37.28	1	22.2	9	-3.22	5	-2.61	16	20.02	4	1.06	13	18	1
9	EHQ-640	1.86	10	25.2	12	4.83	12	12.1	11	4.8	24	-16.66	21	-7.35	23	14.87	7	1.56	11	6.14	9
10	FQH-140	-16.5	25	-5.62	26	-19.5	22	2.75	17	34.8	3	-2.58	4	-3.92	20	15.57	6	-15.5	26	4.57	15
11	FQH-148	7.73	4	26.3	11	-4.74	17	-1.44	22	8.85	21	-0.15	2	-0.72	14	3.18	17	10.89	7	6.73	8
12	IQPMH-18-1	23.22	1	34.9	5	11.9	8	11.44	12	25.4	6	-8.87	14	2.18	11	20.06	3	35.49	2	12.4	6
13	IQPMH-18-2	-21.9	26	42.6	2	15.12	6	26.61	5	11.1	19	-6.05	11	7.43	6	2.21	19	-5.22	20	13	5
14	IQPMH-18-3	9.51	3	8.16	21	8.48	9	1.71	18	-5.39	27	-1.8	3	7.44	5	-1.94	24	30.65	3	-0.16	25
15	IQPMH-18-4	4.89	5	18.9	16	-35.8	27	-2.42	23	24.4	8	-16.99	22	4.6	10	11.42	10	0.78	15	2.36	18
16	IQPMH-18-5	-5.12	18	12.7	20	3.86	13	7.32	14	17.1	11	-11.73	16	-5.4	21	-10.38	26	1.38	12	-0.15	24
17	KDQH-55(CAH1824)	-25.9	27	19.8	14	-11.9	20	-16.7	27	4.61	25	-9.91	15	-12.39	26	10.95	12	8.25	8	0.5	21
18	QPMMH-41	-4.27	16	29.9	9	-6.62	19	15.05	9	31.3	5	-23.35	24	15.88	1	4.85	16	-7.09	22	5.35	12
19	QQPMH-14153	-11.5	23	28.6	10	2.75	15	4.4	16	13.2	15	-17.7	23	-2.99	18	-2.37	25	-6.21	21	1.63	20
20	QQPMH-14191	-10.2	22	32.5	6	19.34	5	20.53	6	12.6	17	-7.47	13	7.37	7	-15.52	27	-9.77	25	5.34	13
21	APQH 9 (C)	-14.8	24	-5.88	27	-23	23	-2.91	24	12.9	16	-3.37	6	-2.9	17	20.21	2	-18.4	27	1.82	19
22	HQPM I (C)	-1.53	12	-3.19	25	-5.82	18	0.75	19	9.52	20	-24.74	26	-16.89	27	0.21	22	-2.73	19	-7.67	27
23	HQPM 5 (C)	-2.77	14	19.7	15	-24.3	25	-8.14	25	43.7	2	-13.66	17	-10.49	25	11.38	11	-8.78	24	5.77	10
24	HQPM 7 (C)	3.27	7	39.9	3	25.72	4	19.84	7	44.1	1	-5.61	9	15.37	2	9.92	14	-8.64	23	16	3
25	Pratap QPM hyrid 1 (C)	-7.41	19	36.9	4	40.31	1	31.32	3	5.46	23	-5.91	10	-1.21	15	12.93	8	3.17	10	14.4	4
26	Pusa HM 8 (C)	-9.67	21	14.5	19	-24.2	24	14.78	10	13.5	13	-14.08	19	0.51	12	15.77	5	3.56	9	5.59	11
27	Vivek hybrid 27 (C)	0	11	0	23	0	16	0	20	0	26	0	1	0	13	0	23	0	17	0	23

Table No. 22 (Contd.) **Moisture%**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	18	20	23	16	15	16	13	19	16	17
2	APH 2	18	14	23	13	16	16	11	20	16	17
3	APH 27 (PRO-A)	17	15	15	14	14	15	11	19	16	15
4	APQH 8 (QPM+Pro A)	19	17	21	15	14	16	13	21	17	17
5	APQH1(QPM+PRO-A)	20	21	23	18	16	17	14	20	15	18
6	APQH5(QPM+PRO-A)	17	18	24	17	15	15	14	20	20	18
7	APQH7 (QPM+PRO-A)	17	18	22	17	16	14	12	19	17	17
8	DHM 117 (Filler)	19	23	24	19	15	17	13	19	17	18
9	EHQ-640	18	14	23	16	15	15	13	19	16	17
10	FQH-140	17	11	14	13	13	15	12	19	16	14
11	FQH-148	20	15	18	15	12	16	12	19	16	16
12	IQPMH-18-1	17	18	23	14	16	16	12	20	17	17
13	IQPMH-18-2	17	17	21	16	14	14	12	20	15	16
14	IQPMH-18-3	19	13	21	15	14	14	12	20	17	16
15	IQPMH-18-4	18	19	18	15	14	15	13	20	15	16
16	IQPMH-18-5	17	20	20	14	12	14	12	20	16	16
17	KDQH-55(CAH1824)	18	12	21	16	14	15	13	19	19	17
18	QPMMH-41	19	19	21	16	13	16	13	19	17	17
19	QQPMH-14153	17	18	19	14	14	15	12	20	15	16
20	QQPMH-14191	17	20	21	16	15	15	11	20	18	17
21	APQH 9 (C)	15	12	12	15	13	15	11	19	14	14
22	HQPM I (C)	18	18	24	16	13	16	14	19	17	17
23	HQPM 5 (C)	19	16	23	16	14	16	15	20	16	17
24	HQPM 7 (C)	17	17	23	17	15	18	12	18	18	17
25	Pratap QPM hyrid 1 (C)	16	16	23	15	14	15	13	20	19	17
26	Pusa HM 8 (C)	18	21	23	18	13	16	13	20	17	18
27	Vivek hybrid 27 (C)	16	13	18	14	13	14	11	20	14	15
	Location Mean	18	17	21	16	14	15	13	20	17	17
	CV (%)	4.8	12.0	6.7	9.4	13.9	3.8	5.0	4.8	6.0	7.9
	F (Prob)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
	CD (5%)	1.4	3.3	2.3	2.4	3.2	1.0	1.0	1.5	1.6	0.7
	CD (1%)	1.9	4.4	3.1	3.2	4.3	1.3	1.4	2.0	2.2	1.0

Table No. 22 (Contd.) **Shelling %**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	78	83	74	81	71	82	83	82	79	80
2	APH 2	78	81	76	80	78	81	80	80	78	79
3	APH 27 (PRO-A)	77	83	76	78	72	83	81	82	79	79
4	APQH 8 (QPM+Pro A)	79	85	77	78	71	82	84	81	80	80
5	APQH1(QPM+PRO-A)	78	85	79	82	72	82	84	81	82	81
6	APQH5(QPM+PRO-A)	78	84	76	79	71	79	82	79	79	78
7	APQH7 (QPM+PRO-A)	78	84	80	79	72	82	84	78	82	80
8	DHM 117 (Filler)	77	84	76	76	76	82	76	82	79	78
9	EHQ-640	79	85	78	82	73	82	82	84	81	81
10	FQH-140	80	86	81	83	79	82	86	85	81	83
11	FQH-148	81	87	80	85	76	83	87	83	82	83
12	IQPMH-18-1	81	87	79	83	71	82	87	83	82	82
13	IQPMH-18-2	78	85	77	80	75	83	85	85	80	81
14	IQPMH-18-3	81	88	81	83	73	83	88	83	82	82
15	IQPMH-18-4	81	87	81	82	72	81	86	79	81	81
16	IQPMH-18-5	80	84	78	80	74	83	84	84	81	81
17	KDQH-55(CAH1824)	77	83	91	77	76	80	81	83	82	81
18	QPMMH-41	78	86	77	82	75	82	82	81	77	80
19	QQPMH-14153	79	86	83	82	79	81	85	80	82	82
20	QQPMH-14191	79	85	82	82	73	83	83	85	80	81
21	APQH 9 (C)	78	83	84	82	75	82	83	84	81	81
22	HQPM I (C)	77	85	79	80	77	82	84	82	81	81
23	HQPM 5 (C)	80	83	74	80	73	80	81	83	77	79
24	HQPM 7 (C)	78	83	74	80	77	82	81	81	79	79
25	Pratap QPM hyrid 1 (C)	80	84	81	82	73	83	85	83	83	81
26	Pusa HM 8 (C)	79	85	75	79	75	82	86	82	81	81
27	Vivek hybrid 27 (C)	79	85	79	82	73	82	86	85	82	82
	Location Mean	79	85	79	81	74	82	83	82	80	81
	CV (%)	1.2	0.7	7.3	1.9	0.0	0.8	1.8	3.0	1.6	2.9
	F (Prob)	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0
	CD (5%)	1.6	1.0	9.5	2.5	0.0	1.1	2.5	4.1	2.1	1.3
	CD (1%)	2.1	1.3	12.7	3.3	0.0	1.4	3.3	5.5	2.8	1.7

Table No. 22 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	51	59	55	52	60	54	49	51	45	53
2	APH 2	53	60	58	54	58	56	51	51	50	55
3	APH 27 (PRO-A)	52	58	56	53	58	54	49	54	45	53
4	APQH 8 (QPM+Pro A)	54	61	58	56	58	57	52	53	50	55
5	APQH1(QPM+PRO-A)	55	59	59	56	58	57	53	54	52	56
6	APQH5(QPM+PRO-A)	55	61	57	56	59	56	52	55	51	56
7	APQH7 (QPM+PRO-A)	54	59	58	57	60	57	52	55	51	56
8	DHM 117 (Filler)	56	61	60	59	62	57	53	56	53	57
9	EHQ-640	50	59	55	53	56	53	49	54	44	52
10	FQH-140	46	55	47	52	59	48	44	51	41	49
11	FQH-148	53	55	55	51	58	51	46	52	44	52
12	IQPMH-18-1	54	59	57	54	59	55	52	53	49	55
13	IQPMH-18-2	54	62	58	55	58	57	52	55	52	56
14	IQPMH-18-3	54	58	57	54	60	56	51	55	51	55
15	IQPMH-18-4	53	60	56	54	59	55	51	54	46	54
16	IQPMH-18-5	54	61	56	56	60	55	51	55	50	55
17	KDQH-55(CAH1824)	55	62	59	57	58	57	53	56	51	56
18	QPMMH-41	54	61	58	55	60	57	52	56	50	56
19	QQPMH-14153	50	59	54	53	59	53	47	51	44	52
20	QQPMH-14191	53	61	55	53	57	53	49	53	48	53
21	APQH 9 (C)	46	56	50	50	59	48	43	48	41	49
22	HQPM I (C)	55	62	60	60	58	57	54	55	53	57
23	HQPM 5 (C)	54	61	60	56	59	57	53	55	51	56
24	HQPM 7 (C)	56	61	58	56	58	57	51	53	52	56
25	Pratap QPM hyrid 1 (C)	53	60	57	53	58	55	51	55	49	55
26	Pusa HM 8 (C)	56	62	60	57	57	57	52	57	51	56
27	Vivek hybrid 27 (C)	49	55	51	51	59	50	47	49	42	50
	Location Mean	53	59	56	55	59	55	50	54	48	54
	CV (%)	3.0	3.0	2.9	2.7	5.0	1.6	1.9	3.8	3.2	3.2
	F (Prob)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.6	3.0	2.7	2.5	4.8	1.5	1.6	3.3	2.5	0.9
	CD (1%)	3.5	3.9	3.6	3.3	6.5	2.0	2.1	4.4	3.3	1.2

Table No. 22 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	55	60	58	56	62	56	51	52	49	55
2	APH 2	56	61	60	57	60	57	53	53	54	57
3	APH 27 (PRO-A)	55	57	58	56	60	54	51	55	48	55
4	APQH 8 (QPM+Pro A)	57	62	60	58	60	59	54	54	54	58
5	APQH1(QPM+PRO-A)	57	62	62	58	60	57	55	55	55	58
6	APQH5(QPM+PRO-A)	58	63	59	58	61	58	54	56	55	58
7	APQH7 (QPM+PRO-A)	58	62	60	59	62	58	55	56	54	58
8	DHM 117 (Filler)	59	63	62	61	64	60	55	57	57	60
9	EHQ-640	54	60	58	55	58	55	51	55	47	55
10	FQH-140	49	55	49	52	61	49	46	52	43	51
11	FQH-148	56	55	57	54	60	52	48	53	48	54
12	IQPMH-18-1	58	62	59	55	61	56	54	55	53	57
13	IQPMH-18-2	57	63	61	57	60	57	55	56	55	58
14	IQPMH-18-3	57	60	59	56	62	58	53	57	54	57
15	IQPMH-18-4	57	62	59	56	61	56	53	55	50	57
16	IQPMH-18-5	57	63	59	58	62	55	54	56	53	57
17	KDQH-55(CAH1824)	59	63	61	59	60	57	55	57	54	58
18	QPMMH-41	57	64	60	57	62	58	53	57	55	58
19	QQPMH-14153	53	60	56	54	61	55	51	53	47	55
20	QQPMH-14191	56	63	57	56	59	56	51	54	52	56
21	APQH 9 (C)	49	57	53	52	61	49	46	49	43	51
22	HQPM I (C)	58	64	62	62	60	59	56	56	55	59
23	HQPM 5 (C)	57	63	62	59	61	59	55	56	55	59
24	HQPM 7 (C)	59	63	60	58	60	57	53	55	56	58
25	Pratap QPM hyrid 1 (C)	57	61	59	55	60	55	53	56	53	57
26	Pusa HM 8 (C)	59	64	62	59	59	59	55	58	54	59
27	Vivek hybrid 27 (C)	53	55	53	53	61	51	49	50	45	52
	Location Mean	56	61	59	57	61	56	53	55	52	56
	CV (%)	2.7	3.6	2.9	2.5	4.9	1.7	2.2	3.7	2.9	3.2
	F (Prob)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.5	3.6	2.8	2.3	4.8	1.5	1.9	3.3	2.5	1.0
	CD (1%)	3.4	4.9	3.7	3.1	6.5	2.1	2.5	4.4	3.3	1.3

Table No. 22 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	94	102	90	95	102	101	82	94	88	94
2	APH 2	95	101	92	97	100	98	87	97	94	96
3	APH 27 (PRO-A)	95	96	90	96	100	96	84	92	89	93
4	APQH 8 (QPM+Pro A)	96	105	92	99	100	101	87	100	93	97
5	APQH1(QPM+PRO-A)	97	102	94	98	100	104	88	102	94	97
6	APQH5(QPM+PRO-A)	97	102	91	99	101	101	88	99	95	97
7	APQH7 (QPM+PRO-A)	97	104	92	99	102	102	87	95	93	97
8	DHM 117 (Filler)	98	105	94	102	104	95	88	101	95	98
9	EHQ-640	94	105	90	95	98	97	82	95	89	94
10	FQH-140	89	91	81	92	101	97	76	89	90	89
11	FQH-148	95	93	89	93	100	94	78	90	91	92
12	IQPMH-18-1	97	104	91	95	101	100	88	97	94	96
13	IQPMH-18-2	96	106	93	98	100	101	88	94	95	97
14	IQPMH-18-3	96	100	91	96	102	94	86	94	93	95
15	IQPMH-18-4	96	104	91	97	101	99	86	96	91	95
16	IQPMH-18-5	96	104	91	98	102	99	87	95	93	96
17	KDQH-55(CAH1824)	98	104	93	100	100	99	88	100	93	97
18	QPMMH-41	96	104	92	98	102	103	87	101	94	98
19	QQPMH-14153	94	103	88	93	101	96	81	93	85	93
20	QQPMH-14191	95	101	89	96	99	94	85	94	89	93
21	APQH 9 (C)	90	95	85	91	101	97	75	87	90	90
22	HQPM I (C)	98	107	94	103	100	105	90	103	92	99
23	HQPM 5 (C)	96	106	94	99	101	102	88	101	94	98
24	HQPM 7 (C)	98	106	92	100	100	104	85	102	96	98
25	Pratap QPM hyrid 1 (C)	96	105	91	95	100	104	86	99	90	96
26	Pusa HM 8 (C)	98	103	94	100	99	102	88	97	94	97
27	Vivek hybrid 27 (C)	93	92	85	92	101	95	80	85	91	91
	Location Mean	95	102	91	97	101	99	85	96	92	95
	CV (%)	1.4	3.4	1.9	2.0	2.9	3.1	2.4	2.7	3.5	2.7
	F (Prob)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.3	5.7	2.8	3.1	4.8	5.0	3.3	4.2	5.4	1.4
	CD (1%)	3.0	7.6	3.7	4.2	6.5	6.7	4.4	5.6	7.1	1.9

Table No. 22 (Contd.) **Ear Number**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	62	66	58	59	72	64	69	74	67	66
2	APH 2	63	64	60	55	70	61	63	71	64	63
3	APH 27 (PRO-A)	61	75	58	53	73	62	68	78	65	66
4	APQH 8 (QPM+Pro A)	61	70	60	55	74	67	75	78	66	67
5	APQH1(QPM+PRO-A)	62	70	62	56	73	61	71	77	65	66
6	APQH5(QPM+PRO-A)	61	64	59	53	71	64	68	78	61	65
7	APQH7 (QPM+PRO-A)	60	74	60	62	73	66	71	75	69	68
8	DHM 117 (Filler)	61	65	62	55	71	71	75	74	56	66
9	EHQ-640	62	58	58	56	71	56	70	76	59	63
10	FQH-140	59	78	49	53	76	73	73	75	64	67
11	FQH-148	62	75	57	54	74	68	75	78	62	67
12	IQPMH-18-1	62	68	59	53	72	66	64	75	65	65
13	IQPMH-18-2	60	73	61	55	74	71	71	76	62	67
14	IQPMH-18-3	60	72	59	57	75	73	71	80	61	67
15	IQPMH-18-4	61	68	59	53	72	60	70	75	65	65
16	IQPMH-18-5	62	67	59	55	74	66	67	76	58	65
17	KDQH-55(CAH1824)	59	76	61	58	72	76	71	76	63	68
18	QPMMH-41	62	64	60	55	71	60	63	72	58	63
19	QQPMH-14153	60	71	56	53	73	66	74	77	62	66
20	QQPMH-14191	60	73	57	54	73	67	76	76	61	66
21	APQH 9 (C)	61	74	53	55	75	68	71	77	63	66
22	HQPM I (C)	62	49	62	55	73	61	67	78	59	63
23	HQPM 5 (C)	62	59	62	55	70	61	71	76	58	64
24	HQPM 7 (C)	62	67	60	55	70	65	70	74	60	65
25	Pratap QPM hyrid 1 (C)	60	69	59	56	70	68	68	78	60	65
26	Pusa HM 8 (C)	62	64	62	52	76	62	64	76	58	64
27	Vivek hybrid 27 (C)	63	71	53	53	75	71	74	72	66	66
	Location Mean	61	68	59	55	73	66	70	76	62	65
	CV (%)	2.8	8.0	2.9	6.2	3.9	9.5	5.4	3.2	6.4	5.8
	F (Prob)	0.3	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.1	0.0
	CD (5%)	2.8	9.0	2.8	5.6	4.6	10.2	6.3	4.0	6.5	2.1
	CD (1%)	3.7	12.0	3.7	7.4	6.1	13.7	8.3	5.4	8.7	2.8

Table No. 22 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	62	76	60	65	72	63	72	74	69	68
2	APH 2	65	72	64	59	72	61	66	73	64	66
3	APH 27 (PRO-A)	63	81	62	59	75	64	71	80	67	69
4	APQH 8 (QPM+Pro A)	63	74	62	61	76	66	77	81	69	70
5	APQH1(QPM+PRO-A)	64	75	64	62	75	63	71	79	65	69
6	APQH5(QPM+PRO-A)	61	72	62	58	73	66	75	79	68	68
7	APQH7 (QPM+PRO-A)	60	79	63	66	72	66	76	77	70	70
8	DHM 117 (Filler)	60	66	66	59	72	74	77	75	70	69
9	EHQ-640	63	65	62	61	73	56	75	77	62	66
10	FQH-140	60	81	54	62	78	76	75	77	67	70
11	FQH-148	63	78	59	60	76	71	78	81	65	70
12	IQPMH-18-1	64	81	62	60	74	68	66	78	68	69
13	IQPMH-18-2	61	78	63	60	76	67	73	79	66	70
14	IQPMH-18-3	63	78	64	65	76	76	73	84	68	72
15	IQPMH-18-4	62	75	61	59	74	62	72	77	71	68
16	IQPMH-18-5	62	70	60	60	75	65	72	77	62	67
17	KDQH-55(CAH1824)	59	80	64	62	74	74	74	77	72	71
18	QPMMH-41	61	69	62	60	74	61	66	73	61	65
19	QQPMH-14153	62	77	60	57	76	70	77	79	66	69
20	QQPMH-14191	60	78	60	58	76	66	78	78	66	69
21	APQH 9 (C)	62	78	56	58	77	68	76	77	63	68
22	HQPM I (C)	62	73	65	59	75	65	73	81	68	69
23	HQPM 5 (C)	64	67	64	59	71	64	76	76	61	67
24	HQPM 7 (C)	63	74	62	59	71	66	73	75	63	67
25	Pratap QPM hyrid 1 (C)	61	75	62	59	70	68	69	82	66	68
26	Pusa HM 8 (C)	62	79	65	57	77	64	72	76	60	68
27	Vivek hybrid 27 (C)	64	78	56	58	77	71	77	72	68	69
	Location Mean	62	75	62	60	74	67	73	78	66	69
	CV (%)	2.7	6.3	3.3	6.6	4.0	8.2	5.2	4.3	6.7	5.5
	F (Prob)	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.2	0.0
	CD (5%)	2.8	7.8	3.3	6.5	4.9	9.0	6.3	5.4	7.3	2.1
	CD (1%)	3.7	10.4	4.4	8.6	6.5	12.0	8.4	7.2	9.8	2.8

Table No. 22 (Contd.) **Final Plant Stand**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	64	68	61	62	59	65	62	62	47	61
2	APH 2	67	67	64	56	58	61	55	60	43	59
3	APH 27 (PRO-A)	65	77	62	56	60	65	60	65	46	62
4	APQH 8 (QPM+Pro A)	64	72	63	57	61	67	67	65	46	62
5	APQH1(QPM+PRO-A)	65	73	65	56	61	64	63	65	44	62
6	APQH5(QPM+PRO-A)	63	67	63	57	58	67	62	65	44	61
7	APQH7 (QPM+PRO-A)	61	77	65	65	58	67	64	64	48	63
8	DHM 117 (Filler)	62	68	67	58	58	73	67	61	47	62
9	EHQ-640	65	61	62	59	59	56	63	64	42	59
10	FQH-140	61	80	53	59	63	76	66	63	46	63
11	FQH-148	64	77	61	57	62	71	67	65	43	63
12	IQPMH-18-1	65	71	63	59	60	70	57	63	46	61
13	IQPMH-18-2	62	75	65	58	62	71	63	64	43	63
14	IQPMH-18-3	64	74	64	63	62	76	64	67	45	64
15	IQPMH-18-4	63	71	62	56	59	63	63	62	49	61
16	IQPMH-18-5	63	70	61	57	62	66	59	63	42	61
17	KDQH-55(CAH1824)	61	79	66	59	60	76	63	63	45	64
18	QPMMH-41	63	67	63	57	59	62	55	60	40	58
19	QQPMH-14153	63	73	60	56	61	71	66	64	45	62
20	QQPMH-14191	60	75	62	57	61	68	68	63	44	62
21	APQH 9 (C)	62	77	57	56	62	69	64	64	43	62
22	HQPM I (C)	63	51	66	58	60	65	60	66	45	59
23	HQPM 5 (C)	63	62	65	57	57	64	63	63	42	60
24	HQPM 7 (C)	64	69	64	56	57	67	63	62	43	61
25	Pratap QPM hyrid 1 (C)	62	71	63	59	57	70	61	65	44	61
26	Pusa HM 8 (C)	62	67	66	56	63	64	58	63	41	60
27	Vivek hybrid 27 (C)	66	74	57	56	62	73	66	60	46	62
	Location Mean	63	71	63	58	60	68	63	63	44	61
	CV (%)	2.4	8.0	3.1	6.7	4.3	8.1	5.3	3.3	7.3	5.9
	F (Prob)	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.5	0.0
	CD (5%)	2.5	9.3	3.2	6.4	4.3	9.1	5.4	3.4	5.3	2.0
	CD (1%)	3.3	12.4	4.3	8.5	5.7	12.1	7.2	4.5	7.1	2.6

Table No. 22 (Contd.) **Plant Height**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	181	175	172	124	165	189	199	207	119	169
2	APH 2	174	183	161	123	173	190	193	217	119	171
3	APH 27 (PRO-A)	173	186	178	121	158	190	197	209	117	170
4	APQH 8 (QPM+Pro A)	175	195	178	131	148	203	210	210	122	176
5	APQH1(QPM+PRO-A)	180	185	174	125	163	209	201	200	133	175
6	APQH5(QPM+PRO-A)	181	220	205	139	170	203	228	238	132	191
7	APQH7 (QPM+PRO-A)	181	199	176	139	129	196	224	202	135	175
8	DHM 117 (Filler)	179	209	215	162	151	204	210	235	147	191
9	EHQ-640	183	202	198	129	147	200	182	221	130	177
10	FQH-140	163	169	166	112	139	180	176	200	125	159
11	FQH-148	187	173	171	127	152	197	196	215	131	171
12	IQPMH-18-1	171	188	178	126	157	189	188	209	125	170
13	IQPMH-18-2	185	219	201	154	165	224	217	219	149	191
14	IQPMH-18-3	165	188	171	124	156	190	183	195	114	166
15	IQPMH-18-4	190	212	183	138	147	202	178	220	133	178
16	IQPMH-18-5	169	192	169	120	145	182	199	201	120	165
17	KDQH-55(CAH1824)	164	196	152	115	148	193	195	204	123	165
18	QPMMH-41	165	217	186	144	164	205	216	221	127	183
19	QQPMH-14153	169	195	182	135	166	185	198	210	132	175
20	QQPMH-14191	180	221	195	143	152	207	201	224	133	185
21	APQH 9 (C)	171	183	168	116	138	198	193	208	127	167
22	HQPM I (C)	175	173	168	118	140	189	181	214	128	166
23	HQPM 5 (C)	175	207	176	137	166	200	205	222	138	179
24	HQPM 7 (C)	175	202	184	141	188	212	219	213	130	185
25	Pratap QPM hyrid 1 (C)	166	189	180	117	147	192	186	200	121	167
26	Pusa HM 8 (C)	172	193	162	123	145	193	189	210	123	167
27	Vivek hybrid 27 (C)	154	160	167	111	120	181	178	190	124	153
	Location Mean	174	194	178	129	153	196	198	212	128	174
	CV (%)	5.6	6.9	6.8	4.5	13.2	6.0	9.7	4.9	10.7	7.8
	F (Prob)	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.4	0.0
	CD (5%)	15.9	22.0	20.1	9.6	33.2	19.5	31.5	16.9	22.4	7.5
	CD (1%)	21.3	29.3	26.8	12.9	44.4	26.0	42.0	22.5	29.9	9.9

Table No. 22 (Contd.) **Ear Height**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karim_AP	Kolhapur_MH	Mandya_KR	Pedda_AP	Rahuri_MH	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APH 1	87	77	59	48	72	88	74	119	58	75
2	APH 2	78	80	55	49	70	91	72	119	60	75
3	APH 27 (PRO-A)	76	79	55	46	71	88	78	119	55	74
4	APQH 8 (QPM+Pro A)	69	77	64	50	64	98	79	112	56	74
5	APQH1(QPM+PRO-A)	82	74	55	48	70	98	75	110	63	75
6	APQH5(QPM+PRO-A)	89	95	82	53	74	100	89	135	67	87
7	APQH7 (QPM+PRO-A)	89	91	60	59	74	95	81	116	69	81
8	DHM 117 (Filler)	87	88	90	68	68	100	83	133	78	89
9	EHQ-640	87	90	73	46	76	97	76	127	60	81
10	FQH-140	70	69	49	36	50	84	60	107	43	63
11	FQH-148	86	65	59	47	60	90	77	120	64	74
12	IQPMH-18-1	78	78	62	46	68	92	70	123	60	75
13	IQPMH-18-2	92	88	80	61	83	114	95	125	72	90
14	IQPMH-18-3	67	77	58	45	69	89	66	104	54	70
15	IQPMH-18-4	91	106	72	55	80	104	89	130	69	88
16	IQPMH-18-5	73	82	63	43	51	89	75	117	58	72
17	KDQH-55(CAH1824)	68	78	47	34	55	92	61	110	59	67
18	QPMMH-41	77	96	61	55	61	98	76	120	70	80
19	QQPMH-14153	77	81	67	54	77	89	79	124	65	79
20	QQPMH-14191	82	106	75	57	61	93	76	125	60	82
21	APQH 9 (C)	77	76	59	49	52	95	87	120	63	76
22	HQPM I (C)	79	64	48	36	55	85	61	109	54	66
23	HQPM 5 (C)	83	91	60	54	65	93	75	116	67	78
24	HQPM 7 (C)	78	84	68	52	87	102	85	121	60	82
25	Pratap QPM hyrid 1 (C)	70	77	53	31	44	86	57	107	51	64
26	Pusa HM 8 (C)	81	89	55	49	62	95	75	123	63	77
27	Vivek hybrid 27 (C)	69	63	60	41	59	82	69	114	52	67
	Location Mean	79	82	63	49	66	94	76	119	61	76
	CV (%)	8.9	12.6	12.4	9.2	19.0	9.0	11.7	6.3	9.8	11.0
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	11.6	17.0	12.7	7.4	20.5	13.8	14.5	12.4	9.9	4.6
	CD (1%)	15.5	22.7	16.9	9.9	27.4	18.4	19.3	16.5	13.2	6.1

Table No. 23: Trial No. 517 (QPM-I-II-III) Zone 5 Yield (kg/ha)

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APH2	5121	5	4964	6	4532	15	4968	10	3152	19	4404	14
2	APQH1(QPM+PRO-A)	4364	10	4669	10	4685	12	5121	5	4201	6	4669	10
3	APQH5(QPM+PRO-A)	3179	15	4918	7	5016	10	4463	13	4590	3	4747	6
4	EHQ-640	2511	19	4498	11	5312	8	4728	11	4266	5	4701	8
5	FQH-140	5551	4	1967	20	3392	20	4043	18	3538	14	3235	20
6	FQH-148	4846	7	4833	8	5858	6	4107	17	3641	11	4610	11
7	IIMRQPMH 1705	7165	1	5461	3	6569	2	5122	4	5585	1	5685	1
8	IQPMH-18-1	4785	8	5743	2	6078	3	4282	15	3563	12	4916	4
9	IQPMH-18-2	5721	2	5102	4	6825	1	4726	12	5562	2	5554	2
10	IQPMH-18-3	4856	6	5046	5	5220	9	5196	3	3543	13	4751	5
11	IQPMH-18-4	3227	14	4714	9	5928	5	5045	6	3161	18	4712	7
12	IQPMH-18-5	2856	17	4404	12	4484	16	5711	1	3523	15	4530	12
13	KDQH-55(CAH1824)	2700	18	3263	18	4108	18	4438	14	3669	9	3869	17
14	QPMMH-41	1642	20	3665	17	5981	4	5031	7	4014	7	4673	9
15	QQPMH-14153	4599	9	4008	13	4548	14	3400	20	3177	17	3783	18
16	QQPMH-14191	5600	3	6010	1	4997	11	5498	2	3726	8	5058	3
17	APQH 9 (C)	4040	12	3758	16	4121	17	5020	8	2964	20	3966	16
18	HQPM I (C)	2976	16	2517	19	3907	19	3951	19	3647	10	3505	19
19	HQPM 5 (C)	3424	13	3836	14	5438	7	4238	16	3342	16	4214	15
20	Pratap QPM Hybrid 1 (C)	4191	11	3779	15	4680	13	4985	9	4370	4	4453	13
	Location Mean	4168	.	4358	.	5084	.	4704	.	3862	.	4502	.
	CV (%)	36.9	.	17.5	.	13.0	.	14.9	.	14.6	.	15.0	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.
	CD (5%)	2541.7	.	1263.1	.	1092.2	.	1159.5	.	928.8	.	545.3	.
	CD (1%)	3404.4	.	1691.9	.	1462.9	.	1553.1	.	1244.0	.	720.0	.

Table No. 23 (Contd.) **Gain in Yield(%) over APQH 9 (C)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH2	26.74	5	32.09	6	9.98	15	-1.05	10	6.31	19	11.04	14
2	APQH1(QPM+PRO-A)	8.01	10	24.26	10	13.7	12	1.99	5	41.72	6	17.73	10
3	APQH5(QPM+PRO-A)	-21.33	15	30.86	7	21.74	10	-11.11	13	54.84	3	19.69	6
4	EHQ-640	-37.85	19	19.69	11	28.92	8	-5.82	11	43.91	5	18.54	8
5	FQH-140	37.38	4	-47.66	20	-17.67	20	-19.46	18	19.36	14	-18.4	20
6	FQH-148	19.93	7	28.6	8	42.17	6	-18.2	17	22.83	11	16.24	11
7	IIMRQPMH 1705	77.33	1	45.33	3	59.43	2	2.03	4	88.41	1	43.34	1
8	IQPMH-18-1	18.43	8	52.82	2	47.5	3	-14.71	15	20.19	12	23.97	4
9	IQPMH-18-2	41.6	2	35.76	4	65.63	1	-5.87	12	87.62	2	40.04	2
10	IQPMH-18-3	20.18	6	34.27	5	26.68	9	3.51	3	19.52	13	19.81	5
11	IQPMH-18-4	-20.14	14	25.44	9	43.86	5	0.49	6	6.62	18	18.81	7
12	IQPMH-18-5	-29.3	17	17.19	12	8.82	16	13.76	1	18.83	15	14.24	12
13	KDQH-55(CAH1824)	-33.18	18	-13.17	18	-0.3	18	-11.6	14	23.75	9	-2.43	17
14	QPMMH-41	-59.36	20	-2.47	17	45.16	4	0.21	7	35.42	7	17.83	9
15	QQPMH-14153	13.83	9	6.66	13	10.37	14	-32.27	20	7.17	17	-4.6	18
16	QQPMH-14191	38.61	3	59.94	1	21.26	11	9.51	2	25.69	8	27.53	3
17	APQH 9 (C)	0	12	0	16	0	17	0	8	0	20	0	16
18	HQPM I (C)	-26.34	16	-33.02	19	-5.17	19	-21.31	19	23.01	10	-11.6	19
19	HQPM 5 (C)	-15.25	13	2.09	14	31.98	7	-15.59	16	12.74	16	6.25	15
20	Pratap QPM Hybrid 1 (C)	3.72	11	0.56	15	13.58	13	-0.72	9	47.4	4	12.29	13

Table No. 23 (Contd.) **Gain in Yield(%) over HQPM I (C)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH2	72.06	5	97.21	6	15.98	15	25.75	10	-13.58	19	25.63	14
2	APQH1(QPM+PRO-A)	46.63	10	85.52	10	19.9	12	29.61	5	15.21	6	33.2	10
3	APQH5(QPM+PRO-A)	6.81	15	95.37	7	28.38	10	12.96	13	25.87	3	35.41	6
4	EHQ-640	-15.62	19	78.7	11	35.95	8	19.68	11	16.99	5	34.11	8
5	FQH-140	86.51	4	-21.85	20	-13.18	20	2.35	18	-2.97	14	-7.71	20
6	FQH-148	62.82	7	92.01	8	49.92	6	3.95	17	-0.15	11	31.5	11
7	IIMRQPMH 1705	140.74	1	116.98	3	68.12	2	29.66	4	53.17	1	62.17	1
8	IQPMH-18-1	60.79	8	128.17	2	55.54	3	8.39	15	-2.29	12	40.25	4
9	IQPMH-18-2	92.24	2	102.69	4	74.66	1	19.62	12	52.52	2	58.43	2
10	IQPMH-18-3	63.16	6	100.47	5	33.58	9	31.54	3	-2.84	13	35.54	5
11	IQPMH-18-4	8.42	14	87.28	9	51.71	5	27.71	6	-13.33	18	34.42	7
12	IQPMH-18-5	-4.02	17	74.96	12	14.75	16	44.57	1	-3.4	15	29.24	12
13	KDQH-55(CAH1824)	-9.29	18	29.63	18	5.13	18	12.34	14	0.6	9	10.38	17
14	QPMMH-41	-44.82	20	45.62	17	53.08	4	27.35	7	10.09	7	33.31	9
15	QQPMH-14153	54.54	9	59.24	13	16.39	14	-13.93	20	-12.88	17	7.93	18
16	QQPMH-14191	88.18	3	138.79	1	27.88	11	39.17	2	2.18	8	44.28	3
17	APQH 9 (C)	35.76	12	49.3	16	5.45	17	27.08	8	-18.71	20	13.13	16
18	HQPM I (C)	0	16	0	19	0	19	0	19	0	10	0	19
19	HQPM 5 (C)	15.05	13	52.42	14	39.18	7	7.27	16	-8.35	16	20.2	15
20	Pratap QPM Hybrid 1 (C)	40.82	11	50.14	15	19.77	13	26.17	9	19.83	4	27.04	13

Table No. 23 (Contd.) **Gain in Yield(%) over HQPM 5 (C)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH2	49.55	5	29.39	6	-16.67	15	17.23	10	-5.7	19	4.51	14
2	APQH1(QPM+PRO-A)	27.45	10	21.72	10	-13.85	12	20.83	5	25.71	6	10.81	10
3	APQH5(QPM+PRO-A)	-7.17	15	28.18	7	-7.76	10	5.31	13	37.34	3	12.65	6
4	EHQ-640	-26.66	19	17.24	11	-2.32	8	11.58	11	27.65	5	11.57	8
5	FQH-140	62.1	4	-48.73	20	-37.62	20	-4.58	18	5.87	14	-23.2	20
6	FQH-148	41.52	7	25.97	8	7.72	6	-3.09	17	8.95	11	9.4	11
7	IIMRQPMH 1705	109.25	1	42.36	3	20.8	2	20.87	4	67.12	1	34.91	1
8	IQPMH-18-1	39.75	8	49.7	2	11.76	3	1.05	15	6.61	12	16.68	4
9	IQPMH-18-2	67.09	2	32.99	4	25.49	1	11.52	12	66.42	2	31.8	2
10	IQPMH-18-3	41.81	6	31.53	5	-4.02	9	22.63	3	6.02	13	12.76	5
11	IQPMH-18-4	-5.76	14	22.87	9	9	5	19.06	6	-5.43	18	11.83	7
12	IQPMH-18-5	-16.58	17	14.79	12	-17.55	16	34.78	1	5.41	15	7.52	12
13	KDQH-55(CAH1824)	-21.16	18	-14.95	18	-24.46	18	4.73	14	9.77	9	-8.17	17
14	QPMMH-41	-52.04	20	-4.46	17	9.99	4	18.73	7	20.12	7	10.9	9
15	QQPMH-14153	34.32	9	4.48	13	-16.37	14	-19.76	20	-4.94	17	-10.2	18
16	QQPMH-14191	63.56	3	56.67	1	-8.12	11	29.74	2	11.49	8	20.03	3
17	APQH 9 (C)	18	12	-2.04	16	-24.23	17	18.47	8	-11.3	20	-5.88	16
18	HQPM I (C)	-13.08	16	-34.39	19	-28.15	19	-6.77	19	9.11	10	-16.8	19
19	HQPM 5 (C)	0	13	0	14	0	7	0	16	0	16	0	15
20	Pratap QPM Hybrid 1 (C)	22.39	11	-1.5	15	-13.94	13	17.62	9	30.74	4	5.69	13

Table No. 23 (Contd.) **Gain in Yield(%) over Pratap QPM Hybrid 1 (C)**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APH2	22.19	5	31.36	6	-3.17	15	-0.34	10	-27.87	19	-1.11	14
2	APQH1(QPM+PRO-A)	4.13	10	23.57	10	0.11	12	2.73	5	-3.85	6	4.85	10
3	APQH5(QPM+PRO-A)	-24.15	15	30.13	7	7.19	10	-10.47	13	5.05	3	6.59	6
4	EHQ-640	-40.08	19	19.02	11	13.5	8	-5.14	11	-2.37	5	5.56	8
5	FQH-140	32.45	4	-47.95	20	-27.51	20	-18.88	18	-19.02	14	-27.35	20
6	FQH-148	15.63	7	27.89	8	25.17	6	-17.61	17	-16.67	11	3.51	11
7	IIMRQPMH 1705	70.96	1	44.52	3	40.37	2	2.76	4	27.82	1	27.65	1
8	IQPMH-18-1	14.18	8	51.97	2	29.86	3	-14.09	15	-18.46	12	10.4	4
9	IQPMH-18-2	36.52	2	35.01	4	45.82	1	-5.19	12	27.29	2	24.71	2
10	IQPMH-18-3	15.87	6	33.53	5	11.53	9	4.25	3	-18.91	13	6.69	5
11	IQPMH-18-4	-23	14	24.74	9	26.66	5	1.22	6	-27.67	18	5.81	7
12	IQPMH-18-5	-31.84	17	16.53	12	-4.19	16	14.58	1	-19.38	15	1.73	12
13	KDQH-55(CAH1824)	-35.58	18	-13.66	18	-12.22	18	-10.96	14	-16.04	9	-13.11	17
14	QPMMH-41	-60.82	20	-3.01	17	27.81	4	0.94	7	-8.13	7	4.94	9
15	QQPMH-14153	9.74	9	6.06	13	-2.83	14	-31.79	20	-27.29	17	-15.04	18
16	QQPMH-14191	33.63	3	59.05	1	6.77	11	10.3	2	-14.73	8	13.57	3
17	APQH 9 (C)	-3.59	12	-0.56	16	-11.96	17	0.72	8	-32.16	20	-10.95	16
18	HQPM I (C)	-28.99	16	-33.39	19	-16.51	19	-20.74	19	-16.55	10	-21.28	19
19	HQPM 5 (C)	-18.3	13	1.52	14	16.2	7	-14.98	16	-23.51	16	-5.38	15
20	Pratap QPM Hybrid 1 (C)	0	11	0	15	0	13	0	9	0	4	0	13

Table No. 23 (Contd.) **Moisture%**

S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	16	15	13	15	20	16
2	APQH1(QPM+PRO-A)	16	15	11	17	19	16
3	APQH5(QPM+PRO-A)	16	16	10	17	22	16
4	EHQ-640	16	15	10	17	20	16
5	FQH-140	16	17	9	16	19	15
6	FQH-148	15	16	11	16	21	16
7	IIMRQPMH 1705	16	15	11	17	20	16
8	IQPMH-18-1	16	15	10	19	19	16
9	IQPMH-18-2	15	16	11	17	19	16
10	IQPMH-18-3	16	16	9	16	19	15
11	IQPMH-18-4	15	16	10	16	20	15
12	IQPMH-18-5	16	16	10	16	20	16
13	KDQH-55(CAH1824)	16	16	12	17	20	16
14	QPMMH-41	16	16	11	16	22	16
15	QQPMH-14153	16	16	9	18	20	16
16	QQPMH-14191	16	16	12	17	21	16
17	APQH 9 (C)	15	16	9	16	21	15
18	HQPM I (C)	15	16	10	17	22	16
19	HQPM 5 (C)	16	15	12	16	21	16
20	Pratap QPM Hybrid 1 (C)	16	15	10	17	20	15
	Location Mean	16	16	10	17	20	16
	CV (%)	5.8	2.3	13.5	0.0	0.0	4.9
	F (Prob)	0.9	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.5	0.6	2.3	0.0	0.0	0.6
	CD (1%)	2.0	0.8	3.1	0.0	0.0	0.7

Table No. 23 (Contd.)		Shelling %					
S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	76	69	82	80	80	77
2	APQH1(QPM+PRO-A)	75	70	83	84	80	78
3	APQH5(QPM+PRO-A)	75	69	74	82	81	76
4	EHQ-640	76	71	84	87	80	80
5	FQH-140	78	69	82	80	81	78
6	FQH-148	78	69	86	83	80	79
7	IIMRQPMH 1705	79	70	87	86	81	81
8	IQPMH-18-1	77	70	84	83	81	79
9	IQPMH-18-2	75	71	85	77	80	78
10	IQPMH-18-3	77	71	86	78	80	78
11	IQPMH-18-4	76	68	86	83	80	79
12	IQPMH-18-5	76	70	81	86	80	79
13	KDQH-55(CAH1824)	75	70	84	87	80	79
14	QPMMH-41	76	71	86	85	82	80
15	QQPMH-14153	77	70	84	85	80	79
16	QQPMH-14191	77	75	84	85	81	80
17	APQH 9 (C)	76	68	81	83	79	77
18	HQPM I (C)	76	67	82	80	81	77
19	HQPM 5 (C)	76	68	86	86	80	79
20	Pratap QPM Hybrid 1 (C)	75	71	83	83	82	79
	Location Mean	76	70	83	83	80	79
	CV (%)	2.0	2.5	4.1	0.0	0.0	2.4
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.5	2.9	5.7	0.0	0.0	1.3
	CD (1%)	3.3	3.8	7.6	0.0	0.0	1.8

Table No. 23 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	53	57	55	53	51	54
2	APQH1(QPM+PRO-A)	56	57	58	51	55	55
3	APQH5(QPM+PRO-A)	56	57	57	50	56	55
4	EHQ-640	53	53	54	48	51	52
5	FQH-140	47	48	49	45	48	47
6	FQH-148	50	50	50	46	50	49
7	IIMRQPMH 1705	54	56	56	46	52	53
8	IQPMH-18-1	54	54	55	51	54	54
9	IQPMH-18-2	54	57	55	52	51	54
10	IQPMH-18-3	55	56	57	54	52	55
11	IQPMH-18-4	55	55	55	49	51	53
12	IQPMH-18-5	56	57	57	49	53	54
13	KDQH-55(CAH1824)	56	56	57	52	54	55
14	QPMMH-41	56	57	57	54	54	56
15	QQPMH-14153	50	50	55	50	51	51
16	QQPMH-14191	52	53	56	45	54	52
17	APQH 9 (C)	46	47	49	45	48	47
18	HQPM I (C)	57	57	57	54	55	56
19	HQPM 5 (C)	55	57	57	49	55	55
20	Pratap QPM Hybrid 1 (C)	54	53	56	47	53	53
	Location Mean	53	54	55	49	52	53
	CV (%)	3.1	2.9	1.6	6.5	2.7	3.6
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.8	2.6	1.5	5.3	2.3	1.4
	CD (1%)	3.7	3.5	2.0	7.1	3.1	1.8

Table No. 23 (Contd.)		Days to 50% Silking					
S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	56	60	56	55	53	56
2	APQH1(QPM+PRO-A)	58	60	59	53	57	57
3	APQH5(QPM+PRO-A)	59	60	59	53	58	58
4	EHQ-640	56	56	55	51	54	54
5	FQH-140	49	51	50	47	50	50
6	FQH-148	53	53	52	48	52	52
7	IIMRQPMH 1705	57	59	56	49	54	55
8	IQPMH-18-1	57	57	56	54	55	56
9	IQPMH-18-2	57	60	56	54	54	56
10	IQPMH-18-3	58	59	58	55	54	57
11	IQPMH-18-4	58	58	57	52	54	56
12	IQPMH-18-5	58	60	58	52	55	57
13	KDQH-55(CAH1824)	58	59	59	54	56	57
14	QPMMH-41	59	60	59	56	56	58
15	QQPMH-14153	53	53	56	52	54	54
16	QQPMH-14191	55	56	58	47	56	54
17	APQH 9 (C)	49	50	50	48	50	49
18	HQPM I (C)	59	60	59	56	57	58
19	HQPM 5 (C)	57	60	59	51	57	57
20	Pratap QPM Hybrid 1 (C)	57	56	57	49	55	55
	Location Mean	56	57	56	52	55	55
	CV (%)	2.9	2.8	1.9	6.2	2.4	3.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.7	2.6	1.8	5.3	2.2	1.4
	CD (1%)	3.6	3.5	2.4	7.0	2.9	1.8

Table No. 23 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	96	94	93	82	86	90
2	APQH1(QPM+PRO-A)	97	94	97	79	91	92
3	APQH5(QPM+PRO-A)	98	95	97	80	92	92
4	EHQ-640	95	87	93	81	87	89
5	FQH-140	87	79	84	81	81	82
6	FQH-148	91	82	88	79	85	85
7	IIMRQPMH 1705	97	94	94	79	88	90
8	IQPMH-18-1	96	90	94	77	88	89
9	IQPMH-18-2	96	95	94	83	91	92
10	IQPMH-18-3	93	94	92	80	86	89
11	IQPMH-18-4	97	93	96	82	83	90
12	IQPMH-18-5	97	95	95	81	89	92
13	KDQH-55(CAH1824)	96	94	97	76	90	91
14	QPMMH-41	97	94	97	89	91	93
15	QQPMH-14153	93	83	91	80	85	86
16	QQPMH-14191	95	89	94	77	87	88
17	APQH 9 (C)	86	79	87	79	83	83
18	HQPM I (C)	96	95	98	75	92	91
19	HQPM 5 (C)	97	94	98	81	91	92
20	Pratap QPM Hybrid 1 (C)	96	93	97	82	90	91
	Location Mean	95	91	94	80	88	89
	CV (%)	1.9	2.8	1.2	2.7	2.0	2.1
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	3.0	4.2	1.8	3.6	2.9	1.4
	CD (1%)	4.0	5.6	2.4	4.8	3.9	1.8

Table No. 23 (Contd.)		Ear Number				
S. No.	Entry Name	CWZ				
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APH2	56	59	69	43	57
2	APQH1(QPM+PRO-A)	43	58	71	46	55
3	APQH5(QPM+PRO-A)	38	59	71	41	52
4	EHQ-640	28	60	74	38	50
5	FQH-140	70	51	74	34	57
6	FQH-148	56	56	76	31	55
7	IIMRQPMH 1705	74	60	74	36	61
8	IQPMH-18-1	51	64	73	41	57
9	IQPMH-18-2	61	59	73	41	59
10	IQPMH-18-3	50	59	75	42	56
11	IQPMH-18-4	37	60	70	40	52
12	IQPMH-18-5	36	55	76	45	53
13	KDQH-55(CAH1824)	37	55	66	31	47
14	QPMMH-41	22	52	71	34	45
15	QQPMH-14153	59	58	71	27	54
16	QQPMH-14191	62	60	71	43	59
17	APQH 9 (C)	52	55	69	43	55
18	HQPM I (C)	37	52	62	33	46
19	HQPM 5 (C)	36	57	62	35	47
20	Pratap QPM Hybrid 1 (C)	46	54	74	39	53
	Location Mean	47	57	71	38	53
	CV (%)	26.9	7.5	7.2	12.1	14.2
	F (Prob)	0.0	0.1	0.1	0.0	0.0
	CD (5%)	21.1	7.1	8.5	7.6	6.1
	CD (1%)	28.3	9.5	11.4	10.2	8.1

Table No. 23 (Contd.) Initial Plant Stand

S. No.	Entry Name	CWZ		
		Banswara_RJ	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean
1	APH2	63	49	56
2	APQH1(QPM+PRO-A)	63	53	58
3	APQH5(QPM+PRO-A)	63	47	55
4	EHQ-640	64	47	55
5	FQH-140	57	40	48
6	FQH-148	60	43	51
7	IIMRQPMH 1705	64	44	54
8	IQPMH-18-1	68	45	56
9	IQPMH-18-2	63	49	56
10	IQPMH-18-3	63	50	57
11	IQPMH-18-4	64	46	55
12	IQPMH-18-5	59	53	56
13	KDQH-55(CAH1824)	61	45	53
14	QPMMH-41	60	40	50
15	QQPMH-14153	62	37	49
16	QQPMH-14191	64	49	56
17	APQH 9 (C)	61	51	56
18	HQPM I (C)	56	39	47
19	HQPM 5 (C)	61	39	50
20	Pratap QPM Hybrid 1 (C)	58	48	53
	Location Mean	62	45	53
	CV (%)	6.1	9.8	7.6
	F (Prob)	0.1	0.0	0.0
	CD (5%)	6.2	7.3	4.7
	CD (1%)	8.3	9.8	6.2

Table No. 23 (Contd.)		Final Plant Stand					
S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	47	62	66	75	66	63
2	APQH1(QPM+PRO-A)	38	62	67	78	62	61
3	APQH5(QPM+PRO-A)	31	60	63	72	64	58
4	EHQ-640	23	64	65	74	58	57
5	FQH-140	61	54	66	62	63	61
6	FQH-148	48	58	66	67	64	61
7	IIMRQPMH 1705	64	62	65	67	66	65
8	IQPMH-18-1	42	66	63	69	63	60
9	IQPMH-18-2	52	63	64	76	62	63
10	IQPMH-18-3	43	62	65	74	64	61
11	IQPMH-18-4	32	62	64	72	63	58
12	IQPMH-18-5	31	57	66	77	64	59
13	KDQH-55(CAH1824)	32	59	66	69	67	59
14	QPMMH-41	19	54	56	53	55	48
15	QQPMH-14153	51	61	65	60	63	60
16	QQPMH-14191	54	64	67	75	65	65
17	APQH 9 (C)	44	57	63	77	59	60
18	HQPM I (C)	31	55	65	64	57	54
19	HQPM 5 (C)	30	59	55	63	58	53
20	Pratap QPM Hybrid 1 (C)	39	57	67	72	66	60
	Location Mean	41	60	64	70	62	59
	CV (%)	27.3	7.1	3.9	8.2	10.5	11.2
	F (Prob)	0.0	0.0	0.0	0.0	0.8	0.0
	CD (5%)	18.3	7.0	4.1	9.5	10.8	4.8
	CD (1%)	24.5	9.4	5.5	12.7	14.5	6.3

Table No. 23 (Contd.) **Plant Height**

S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	224	187	148	139	190	177
2	APQH1(QPM+PRO-A)	219	185	154	168	188	183
3	APQH5(QPM+PRO-A)	241	210	167	177	222	203
4	EHQ-640	217	193	161	177	207	191
5	FQH-140	195	188	139	168	180	174
6	FQH-148	209	173	157	173	190	180
7	IIMRQPMH 1705	210	188	162	176	217	191
8	IQPMH-18-1	206	193	156	162	200	183
9	IQPMH-18-2	207	188	176	168	228	193
10	IQPMH-18-3	216	180	156	158	192	180
11	IQPMH-18-4	219	188	166	158	210	188
12	IQPMH-18-5	198	182	156	172	193	180
13	KDQH-55(CAH1824)	195	177	151	168	200	178
14	QPMMH-41	218	192	167	154	207	187
15	QQPMH-14153	221	185	152	159	198	183
16	QQPMH-14191	234	192	169	161	227	197
17	APQH 9 (C)	222	177	143	167	193	180
18	HQPM I (C)	191	183	151	161	182	174
19	HQPM 5 (C)	224	205	159	168	207	193
20	Pratap QPM Hybrid 1 (C)	216	178	145	176	207	184
	Location Mean	214	187	157	165	202	185
	CV (%)	9.5	10.0	4.0	5.9	4.9	7.6
	F (Prob)	0.3	0.8	0.0	0.0	0.0	0.0
	CD (5%)	33.8	31.1	10.5	16.0	16.3	10.1
	CD (1%)	45.2	41.6	14.0	21.5	21.8	13.4

Table No. 23 (Contd.)		Ear Height					
S. No.	Entry Name	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	APH2	68	80	60	53	88	70
2	APQH1(QPM+PRO-A)	67	90	61	70	87	75
3	APQH5(QPM+PRO-A)	77	98	69	74	103	84
4	EHQ-640	64	100	65	72	105	81
5	FQH-140	56	82	47	68	82	67
6	FQH-148	62	91	59	75	87	75
7	IIMRQPMH 1705	67	83	68	74	97	78
8	IQPMH-18-1	65	97	62	65	87	75
9	IQPMH-18-2	65	88	75	68	110	81
10	IQPMH-18-3	64	80	60	64	85	71
11	IQPMH-18-4	66	97	72	54	112	80
12	IQPMH-18-5	59	73	67	69	97	73
13	KDQH-55(CAH1824)	57	75	56	62	87	67
14	QPMMH-41	67	93	65	63	97	77
15	QQPMH-14153	73	90	66	61	100	78
16	QQPMH-14191	74	82	70	60	107	78
17	APQH 9 (C)	71	76	58	63	90	71
18	HQPM I (C)	56	88	59	62	83	70
19	HQPM 5 (C)	74	90	61	69	98	78
20	Pratap QPM Hybrid 1 (C)	63	80	49	75	132	80
	Location Mean	66	87	62	66	97	76
	CV (%)	10.5	15.3	7.6	10.9	19.9	15.2
	F (Prob)	0.0	0.4	0.0	0.0	0.3	0.0
	CD (5%)	11.4	21.9	7.8	11.9	31.8	8.3
	CD (1%)	15.3	29.3	10.5	16.0	42.5	10.9

Table No. 24: Trial No. 441 (BC-I-II-III) Zone 1 Yield with husk (kg/ha)

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 5021	7325.56	2	6323.61	1	3397.92	5	7358.33	5	3472.22	5	5575.53	3	5575.53	3
2	AH 7043	6034.44	7	5004.86	5	3322.92	6	7516.67	4	3121.11	7	5000	7	5000	7
3	AH 7204	7732.78	1	5568.4	4	3618.75	4	7055.56	6	3383.33	6	5471.76	4	5471.76	4
4	Babycorn 1011	7080	5	3261.81	7	3146.53	7	8513.89	1	4289.44	4	5258.33	6	5258.33	6
5	LMH 3517	7272.78	3	4761.81	6	3982.64	2	6297.22	7	4383.89	3	5339.67	5	5339.67	5
6	PAC 321	7232.22	4	5834.72	2	4227.08	1	8505.56	2	6375	1	6434.92	1	6434.92	1
7	CMVL BC2(C)	7060	6	5777.78	3	3971.88	3	8175	3	4943.89	2	5985.71	2	5985.71	2
	Location Mean	7105.4	.	5219	.	3666.82	.	7631.75	.	4281.27	.	5580.85	.	5580.85	.
	CV (%)	6.36	.	16.93	.	5.88	.	23.23	.	12.56	.	16.93	.	16.93	.
	F (Prob)	0.02	.	0.02	.	0	.	0.7	.	0	.	0	.	0	.
	CD (5%)	804.54	.	1571.68	.	383.6	.	3154.37	.	956.32	.	690.18	.	690.18	.
	CD (1%)	1127.91	.	2203.39	.	537.77	.	4422.2	.	1340.7	.	917.9	.	917.9	.

Table No. 24 (Contd.) **Yield without husk (kg/ha)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 5021	905	7	2547.22	3	1193.06	6	1663.89	5	833.89	5	1369.8	6	1369.8	6
2	AH 7043	1265	3	2294.44	4	1206.25	5	1658.33	6	714.44	7	1370	5	1370	5
3	AH 7204	1547.78	1	2937.15	2	1398.96	4	1530.56	7	787.78	6	1667.9	2	1667.9	2
4	Babycorn 1011	1176.11	4	1440.97	7	1159.03	7	2030.56	2	1045.6	3	1205.4	7	1205.4	7
5	LMH 3517	1526.67	2	2237.5	5	1584.72	3	1897.22	3	1077.8	2	1606.7	3	1606.7	3
6	PAC 321	1011.11	6	1950.69	6	1792.71	1	2238.89	1	1360.6	1	1528.8	4	1528.8	4
7	CMVL BC2(C)	1096.11	5	3004.51	1	1684.72	2	1755.56	4	895.56	4	1670.2	1	1670.2	1
	Location Mean	1218.25	.	2344.64	.	1431.35	.	1825	.	959.37	.	1488.4	.	1488.4	.
	CV (%)	5.7	.	14.95	.	9.45	.	36.44	.	13.91	.	13.6	.	13.6	.
	F (Prob)	0	.	0	.	0	.	0.86	.	0	.	0	.	0	.
	CD (5%)	123.52	.	623.57	.	240.74	.	1183	.	237.37	.	166.11	.	166.11	.
	CD (1%)	173.16	.	874.2	.	337.5	.	1658.49	.	332.78	.	221.59	.	221.59	.

Table No. 24 (Contd.) % superiority over CMVL BC2(CHECK)

S. No.	Entry	NHZ											All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK	VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 5021	-17.44	7	-15.22	3	-29.18	6	-5.22	-6.89	5	-18	6	-18	6
2	AH 7043	15.41	3	-23.63	4	-28.4	5	-5.54	-20.2	7	-18	5	-18	5
3	AH 7204	41.21	1	-2.24	2	-16.96	4	-12.82	-12	6	-0.14	2	-0.14	2
4	Babycorn 1011	7.3	4	-52.04	7	-31.2	7	15.66	16.75	3	-27.8	7	-27.8	7
5	LMH 3517	39.28	2	-25.53	5	-5.94	3	8.07	20.35	2	-3.81	3	-3.81	3
6	PAC 321	-7.75	6	-35.07	6	6.41	1	27.53	51.92	1	-8.47	4	-8.47	4
7	CMVL BC2(C)	0	5	0	1	0	2	0	0	4	0	1	0	1

Table No. 24 (Contd.) **% superiorityover CMVL BC2(CHECK)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 5021	3.76	2	9.45	1	-14.45	5	-9.99	5	-29.8	5	-6.85	3	-6.85	3
2	AH 7043	-14.53	7	-13.38	5	-16.34	6	-8.05	4	-36.9	7	-16.5	7	-16.5	7
3	AH 7204	9.53	1	-3.62	4	-8.89	4	-13.7	6	-31.6	6	-8.59	4	-8.59	4
4	Babycorn 1011	0.28	5	-43.55	7	-20.78	7	4.15	1	-13.2	4	-12.2	6	-12.2	6
5	LMH 3517	3.01	3	-17.58	6	0.27	2	-23	7	-11.3	3	-10.8	5	-10.8	5
6	PAC 321	2.44	4	0.99	2	6.43	1	4.04	2	28.95	1	7.5	1	7.5	1
7	CMVL BC2(C)	0	6	0	3	0	3	0	3	0	2	0	2	0	2

Table No. 24 (Contd.) Days to 50% pollen shed

S. No.	Entry	NHZ					All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	58	56	55	65	59	59
2	AH 7043	58	55	53	64	57	57
3	AH 7204	59	54	51	65	57	57
4	Babycorn 1011	62	61	58	66	62	62
5	LMH 3517	56	55	50	65	57	57
6	PAC 321	62	63	55	64	61	61
7	CMVL BC2(C)	56	53	47	65	55	55
	Location Mean	59	57	53	65	58	58
	CV (%)	2.2	1.8	1.8	2.8	2.3	2.3
	F (Prob)	0.0	0.0	0.0	0.8	0.0	0.0
	CD (5%)	2.3	1.8	1.7	3.3	1.1	1.1
	CD (1%)	3.2	2.5	2.4	4.6	1.4	1.4

Table No. 24 (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	62	60	58	68	67	63	63
2	AH 7043	61	58	56	67	68	62	62
3	AH 7204	62	56	54	68	63	60	60
4	Babycorn 1011	65	64	61	70	68	66	66
5	LMH 3517	59	58	55	69	65	61	61
6	PAC 321	65	66	59	69	68	65	65
7	CMVL BC2(C)	59	56	50	69	62	59	59
	Location Mean	62	60	56	69	66	62	62
	CV (%)	1.5	2.2	1.7	3.2	2.7	2.4	2.4
	F (Prob)	0.0	0.0	0.0	0.7	0.0	0.0	0.0
	CD (5%)	1.7	2.3	1.7	3.9	3.2	1.1	1.1
	CD (1%)	2.4	3.2	2.4	5.5	4.5	1.5	1.5

Table No. 24 (Contd.) **Initial plant stand (Number/Plot)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	61	60	76	61	67	65	65
2	AH 7043	67	65	79	62	69	68	68
3	AH 7204	66	63	77	61	71	68	68
4	Babycorn 1011	63	38	76	65	69	62	62
5	LMH 3517	66	59	79	57	69	66	66
6	PAC 321	68	67	79	56	75	69	69
7	CMVL BC2(C)	65	60	77	64	65	66	66
	Location Mean	65	59	78	61	69	66	66
	CV (%)	4.4	8.5	2.5	11.4	5.8	6.8	6.8
	F (Prob)	0.2	0.0	0.2	0.6	0.2	0.0	0.0
	CD (5%)	5.2	8.9	3.5	12.3	7.1	3.3	3.3
	CD (1%)	7.2	12.5	4.9	17.3	10.0	4.4	4.4

Table No. 24 (Contd.) **Final plant stand (000/ha)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	60	58	75	61	66	64	64
2	AH 7043	64	55	78	62	68	66	66
3	AH 7204	65	57	76	61	69	66	66
4	Babycorn 1011	61	36	74	65	69	61	61
5	LMH 3517	65	55	78	57	68	64	64
6	PAC 321	67	56	78	56	74	66	66
7	CMVL BC2(C)	62	60	76	64	64	65	65
	Location Mean	63	54	77	61	68	65	65
	CV (%)	4.6	6.2	3.5	11.4	5.9	6.6	6.6
	F (Prob)	0.1	0.0	0.4	0.6	0.2	0.0	0.0
	CD (5%)	5.2	5.9	4.7	12.3	7.2	3.1	3.1
	CD (1%)	7.4	8.3	6.6	17.3	10.1	4.2	4.2

Table No. 24 (Contd.) **Plant height**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	203	169	222	214	232	208	208
2	AH 7043	177	160	184	208	192	184	184
3	AH 7204	188	149	194	222	202	191	191
4	Babycorn 1011	189	170	215	206	210	198	198
5	LMH 3517	197	165	215	222	235	207	207
6	PAC 321	190	155	211	242	205	201	201
7	CMVL BC2(C)	177	160	204	204	208	191	191
	Location Mean	189	161	207	217	212	197	197
	CV (%)	4.1	7.0	2.8	11.3	4.3	6.8	6.8
	F (Prob)	0.0	0.3	0.0	0.5	0.0	0.0	0.0
	CD (5%)	13.7	20.2	10.3	43.7	16.1	9.8	9.8
	CD (1%)	19.3	28.3	14.4	61.2	22.6	13.1	13.1

Table No. 24 (Contd.)		Baby corn Diameter (cm)						
S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NH	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	5.0	1.4	3.8	1.2	1.6	2.6	2.6
2	AH 7043	5.3	1.3	3.6	1.3	1.6	2.6	2.6
3	AH 7204	5.1	1.4	3.6	1.4	1.4	2.6	2.6
4	Babycorn 1011	5.1	1.2	3.5	1.3	1.4	2.5	2.5
5	LMH 3517	4.6	1.3	4.5	1.2	1.5	2.6	2.6
6	PAC 321	4.2	1.2	3.7	1.1	1.6	2.4	2.4
7	CMVL BC2(C)	4.9	1.4	3.7	1.3	1.5	2.5	2.5
	Location Mean	4.9	1.3	3.8	1.2	1.5	2.5	2.5
	CV (%)	4.9	10.8	8.1	17.1	7.5	8.1	8.1
	F (Prob)	0.0	0.5	0.0	0.8	0.2	0.0	0.0
	CD (5%)	0.4	0.3	0.5	0.4	0.2	0.2	0.2
	CD (1%)	0.6	0.4	0.8	0.5	0.3	0.2	0.2

Table No. 24 (Contd.) **Baby corn length (cm)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	9	9	7	11	8	9	9
2	AH 7043	10	8	8	11	10	9	9
3	AH 7204	9	9	8	13	8	9	9
4	Babycorn 1011	8	9	8	12	9	9	9
5	LMH 3517	10	9	10	11	9	10	10
6	PAC 321	8	9	8	11	8	9	9
7	CMVL BC2(C)	9	9	8	11	9	9	9
	Location Mean	9	9	8	11	9	9	9
	CV (%)	5.7	5.4	5.2	13.2	6.6	8.7	8.7
	F (Prob)	0.0	0.5	0.0	0.8	0.1	0.0	0.0
	CD (5%)	0.9	0.9	0.8	2.7	1.0	0.6	0.6
	CD (1%)	1.3	1.2	1.1	3.7	1.4	0.8	0.8

Table No. 24 (Contd.) **Fodder Weight**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	23	10	24	33	24	23	23
2	AH 7043	25	7	24	32	21	22	22
3	AH 7204	19	7	24	30	19	20	20
4	Babycorn 1011	24	6	27	33	20	22	22
5	LMH 3517	23	7	29	27	23	22	22
6	PAC 321	25	10	29	33	20	23	23
7	CMVL BC2(C)	21	7	30	34	21	23	23
	Location Mean	23	8	27	32	21	22	22
	CV (%)	9.4	16.1	12.4	12.1	10.7	12.3	12.3
	F (Prob)	0.0	0.0	0.1	0.5	0.3	0.0	0.0
	CD (5%)	3.8	2.2	5.9	6.8	4.0	2.0	2.0
	CD (1%)	5.3	3.1	8.2	9.6	5.6	2.6	2.6

Table no. 24 Contd… Total baby corn

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 5021	120	97	138	116	57	103	103
2	AH 7043	113	119	112	121	65	102	102
3	AH 7204	149	125	114	111	67	114	114
4	Babycorn 1011	117	74	110	161	69	93	93
5	LMH 3517	130	104	131	97	74	110	110
6	PAC 321	124	152	185	129	136	149	149
7	CMVL BC2(C)	127	113	157	126	71	117	117
	Location Mean	126	112	135	123	77	113	113
	CV (%)	4.5	16.3	14.8	35.0	13.7	13.2	13.2
	F (Prob)	0.0	0.0	0.0	0.7	0.0	0.0	0.0
	CD (5%)	10.0	32.5	35.6	76.7	18.8	12.2	12.2
	CD (1%)	14.0	45.6	49.9	107.6	26.3	16.2	16.2

Table No. 25: Trial No. 523 (BC-I-II-III) Zone 2-3-4-5 Yieldwithhusk

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 7204	9097	5	7063	2	11233	1	4253	1	2778	7	6332	1
2	AH-5021	8750	6	7243	1	2946	6	3023	4	3344	4	4139	5
3	AH-7043	10833	1	6840	3	3409	4	2984	5	3594	2	4207	4
4	AH-7188	10035	3	5229	6	2907	7	2638	7	3167	6	3485	7
5	LMH 3517	10243	2	6413	4	10483	2	2210	8	3281	5	5597	2
6	PAC321	8264	7	4521	8	4678	3	4108	2	3651	1	4240	3
7	PMH 2	6875	8	4965	7	3293	5	2962	6	2642	8	3466	8
8	VL Baby corn 2 (C)	9271	4	5708	5	2569	8	3251	3	3368	3	3724	6
	Location Mean	9171	.	5998	.	5190	.	3179	.	3228	.	4399	.
	CV (%)	48.8	.	19.6	.	21.3	.	23.4	.	18.7	.	21.3	.
	F (Prob)	1.0	.	0.1	.	0.0	.	0.1	.	0.4	.	0.0	.
	CD (5%)	7838.3	.	2058.7	.	1935.2	.	1303.5	.	1057.0	.	767.3	.
	CD (1%)	10879.1	.	2857.3	.	2685.9	.	1809.2	.	1467.0	.	1021.4	.

Table No. 25: Trial Nc Table No. 25 (Contd.) Yieldwithhusk Table No. 25 (Contd.) Yieldwithhusk

S. No.	Entry Name	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhub_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWP	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	R	Mean	R	Mean	R	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	R
1	AH 7204	3353	7	1465	8	2918	8	10747	3	8263	6	6012	7	3727	8	6559	6	10523	4	8255	1	8049	6	7800	4	8657	4
2	AH-5021	5125	3	3510	3	3482	4	10417	4	8671	5	6751	4	4216	5	6883	4	12213	3	7364	8	8618	5	7708	5	8976	3
3	AH-7043	4654	4	3056	4	2999	6	9167	8	10259	3	6331	5	5065	4	6165	8	6316	7	7528	7	9292	2	6208	7	7336	7
4	AH-7188	4344	5	2479	6	3771	2	9375	7	7377	7	5882	8	3942	6	6342	7	9329	5	7595	5	7102	8	7878	3	7976	6
5	LMH 3517	3802	6	2292	7	3358	5	11146	2	9313	4	6227	6	5510	2	6910	3	7560	6	8146	2	9049	3	7197	6	7988	5
6	PAC321	9671	1	4330	1	4330	1	11528	1	13261	1	8468	1	5693	1	8109	1	15705	1	7851	4	8984	4	11297	1	10959	1
7	PMH 2	6477	2	4323	2	3674	3	10087	5	11671	2	8042	2	5117	3	7267	2	13631	2	7978	3	9401	1	8411	2	9855	2
8	VL Baby corn 2 (C)	2459	8	2615	5	2967	7	9931	6	6659	8	7001	3	3886	7	6633	5	3835	8	7535	6	7736	7	3769	8	5719	8
	Location Mean	4986	.	3009	.	3437	.	10299	.	9434	.	6839	.	4645	.	6859	.	9889	.	7781	.	8529	.	7534	.	8433	.
	CV (%)	22.5	.	29.5	.	12.7	.	8.6	.	21.4	.	15.8	.	28.4	.	12.3	.	14.7	.	14.0	.	18.7	.	14.8	.	15.8	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.1	.	0.0	.	0.1	.	0.4	.	0.0	.	0.0	.	1.0	.	0.6	.	0.0	.	0.0	.
	CD (5%)	1964.7	.	1552.4	.	764.3	.	1552.2	.	3531.4	.	1889.4	.	2309.8	.	803.5	.	2537.6	.	1908.8	.	2791.4	.	1947.4	.	1086.9	.
	CD (1%)	2726.9	.	2154.7	.	1060.8	.	2154.4	.	4901.4	.	2622.3	.	3205.8	.	1074.3	.	3522.0	.	2649.3	.	3874.3	.	2702.9	.	1446.8	.

Table No. 25: Trial Nc Table No. 25 (Contd.) **Yieldwithhusk**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 7204	7427	1	4660	3	4670	3	4549	1	7410	3	7479	4	7778	8	2960	8	6305	1	6947	2
2	AH-5021	6892	4	4888	2	3529	5	3788	3	6236	6	5679	7	13889	1	4262	3	5497	6	6287	5
3	AH-7043	6233	7	4332	6	3378	6	3324	8	5201	7	7652	3	12634	3	5619	2	5349	7	5713	7
4	AH-7188	7290	2	4480	5	4494	4	3389	7	6694	5	8345	1	11273	5	3206	6	6040	3	5942	6
5	LMH 3517	6659	6	4216	7	5595	1	3642	4	6740	4	8173	2	11727	4	3061	7	5886	5	6531	4
6	PAC321	7228	3	4577	4	5108	2	3506	6	7545	2	7185	5	12653	2	6316	1	6008	4	7198	1
7	PMH 2	6885	5	5541	1	3241	7	3539	5	7979	1	6369	6	11153	6	4145	4	6063	2	6587	3
8	VL Baby corn 2 (C)	6159	8	2091	8	2833	8	3983	2	3781	8	4637	8	10037	7	3531	5	4130	8	4895	8
	Location Mean	6847	.	4348	.	4106	.	3715	.	6448	.	6940	.	11393	.	4138	.	5660	.	6263	.
	CV (%)	9.0	.	13.7	.	23.8	.	10.7	.	8.7	.	18.5	.	26.1	.	27.7	.	13.3	.	15.8	.
	F (Prob)	0.2	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.4	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1080.2	.	1044.7	.	1713.1	.	694.4	.	977.1	.	2253.4	.	5197.5	.	2008.0	.	548.0	.	397.0	.
	CD (1%)	1499.3	.	1449.9	.	2377.7	.	963.8	.	1356.1	.	3127.6	.	7213.9	.	2786.9	.	727.6	.	523.4	.

Table No. 25 (Contd.) **Cob yield with husk % superiority over VL Baby corn 2**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7204	-1.87	5	23.72	2	337.19	1	30.81	1	-17.5	7	70	1
2	AH-5021	-5.62	6	26.89	1	14.65	6	-7.02	4	-0.72	4	11.1	5
3	AH-7043	16.85	1	19.83	3	32.68	4	-8.22	5	6.7	2	13	4
4	AH-7188	8.24	3	-8.39	6	13.15	7	-18.9	7	-5.98	6	-6.42	7
5	LMH 3517	10.49	2	12.35	4	308	2	-32	8	-2.58	5	50.3	2
6	PAC321	-10.86	7	-20.8	8	82.05	3	26.37	2	8.4	1	13.8	3
7	PMH 2	-25.84	8	-13	7	28.16	5	-8.89	6	-21.6	8	-6.94	8
8	VL Baby corn 2 (C)	0	4	0	5	0	8	0	3	0	3	0	6

Table No. 25 (Contd.) **Cob yield with husk % superiority over VL Baby corn 2**

S. No.	Entry Name	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_Bih		Z_NEPZ		IARI_ND		Karnal_HR		Ludh_PB		Pant_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7204	36.33	7	-44	8	-1.65	8	8.22	3	24.1	6	-14.1	7	-4.09	8	-1.12	6	174.4	4	9.55	1	4.05	6	106.9	4	51.4	4
2	AH-5021	108.4	3	34.26	3	17.36	4	4.9	4	30.2	5	-3.57	4	8.47	5	3.77	4	218.4	3	-2.27	8	11.4	5	104.5	5	57	3
3	AH-7043	89.23	4	16.87	4	1.06	6	-7.69	8	54.1	3	-9.58	5	30.3	4	-7.05	8	64.69	7	-0.09	7	20.1	2	64.7	7	28.3	7
4	AH-7188	76.63	5	-5.18	6	27.09	2	-5.59	7	10.8	7	-16	8	1.43	6	-4.38	7	143.2	5	0.8	5	-8.19	8	109	3	39.5	6
5	LMH 3517	54.58	6	-12.4	7	13.19	5	12.2	2	39.9	4	-11.1	6	41.8	2	4.18	3	97.11	6	8.11	2	17	3	90.94	6	39.7	5
6	PAC321	293.2	1	65.6	1	45.94	1	16.1	1	99.1	1	20.95	1	46.5	1	22.3	1	309.5	1	4.2	4	16.1	4	199.7	1	91.6	1
7	PMH 2	163.4	2	65.34	2	23.82	3	1.57	5	75.3	2	14.86	2	31.7	3	9.56	2	255.4	2	5.89	3	21.5	1	123.1	2	72.3	2
8	VL Baby corn 2 (C)	0	8	0	5	0	7	0	6	0	8	0	3	0	7	0	5	0	8	0	6	0	7	0	8	0	8

Table No. 25 (Contd.) **Cob yield with husk % superiority over VL Baby corn 2**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7204	20.6	1	122.9	3	64.84	3	14.21	1	95.96	3	61.3	4	-22.5	8	-16.2	8	52.7	1	41.9	2
2	AH-5021	11.9	4	133.8	2	24.54	5	-4.88	3	64.92	6	22.46	7	38.38	1	20.7	3	33.1	6	28.4	5
3	AH-7043	1.21	7	107.2	6	19.22	6	-16.53	8	37.56	7	65.02	3	25.88	3	59.13	2	29.5	7	16.7	7
4	AH-7188	18.4	2	114.3	5	58.61	4	-14.91	7	77.04	5	79.97	1	12.32	5	-9.22	6	46.2	3	21.4	6
5	LMH 3517	8.12	6	101.6	7	97.47	1	-8.54	4	78.24	4	76.25	2	16.84	4	-13.3	7	42.5	5	33.4	4
6	PAC321	17.4	3	118.9	4	80.28	2	-11.98	6	99.54	2	54.94	5	26.06	2	78.86	1	45.5	4	47	1
7	PMH 2	11.8	5	165	1	14.4	7	-11.14	5	111	1	37.36	6	11.12	6	17.38	4	46.8	2	34.6	3
8	VL Baby corn 2 (C)	0	8	0	8	0	8	0	2	0	8	0	8	0	7	0	5	0	8	0	8

Table No. 25 (Contd.) **Yieldwithouthusk**

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	AH 7204	2319	3	1156	1	4315	1	856	3	566	8	859	1
2	AH-5021	1660	7	948	3	604	7	724	6	802	4	825	4
3	AH-7043	2490	2	979	2	1229	3	745	5	804	3	843	2
4	AH-7188	2507	1	802	5	986	4	849	4	688	6	780	6
5	LMH 3517	2285	4	858	4	2600	2	580	7	688	6	708	7
6	PAC321	1698	6	663	7	714	6	1008	2	818	1	830	3
7	PMH 2	1531	8	660	8	839	5	1033	1	720	5	804	5
8	VL Baby corn 2 (C)	2108	5	760	6	507	8	472	8	811	2	681	8
	Location Mean	2075	.	853	.	1474	.	783	.	737	.	791	.
	CV (%)	40.1	.	17.4	.	36.0	.	19.5	.	11.7	.	16.8	.
	F (Prob)	0.7	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1456.2	.	259.9	.	928.8	.	267.3	.	151.1	.	126.2	.
	CD (1%)	2021.2	.	360.7	.	1289.1	.	371.0	.	209.7	.	168.7	.

Table No. 25 (Contd.) **Yieldwithouthusk**

S. No.	Entry Name	NEPZ														NWPZ										
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantngr_UK		Z_NWP		Coimb_TN
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	R	Mean
1	AH 7204	975	7	514	8	869	7	2674	3	2524	6	1184	6	2022	5	4744	1	3449	1	2554	6	1325	6	3035	1	2182
2	AH-5021	984	6	1201	4	1011	3	2604	4	2416	7	1206	5	2010	6	3441	4	2476	8	2788	4	1269	7	2355	5	2427
3	AH-7043	1651	3	1215	3	792	8	2014	7	3520	2	1482	2	2109	4	2289	7	3412	3	2964	1	1753	4	2021	7	2519
4	AH-7188	1552	4	889	5	1028	2	1910	8	2542	5	1174	7	1827	7	2912	5	3438	2	2370	8	1944	2	2428	4	1795
5	LMH 3517	1070	5	799	7	927	5	2951	1	2893	4	1731	1	2257	3	2669	6	3179	4	2592	5	1458	5	2063	6	1976
6	PAC321	1727	1	1528	1	1127	1	2847	2	3796	1	1414	4	2590	1	3720	3	2477	7	2854	3	2128	1	2924	3	2519
7	PMH 2	1661	2	1410	2	996	4	2483	5	3396	3	1474	3	2292	2	4022	2	3017	5	2896	2	1839	3	2930	2	2227
8	VL Baby corn 2 (C)	572	8	823	6	870	6	2431	6	1960	8	1032	8	1754	8	1104	8	2962	6	2404	7	636	8	870	8	2132
	Location Mean	1274	.	1047	.	953	.	2489	.	2881	.	1337	.	2108	.	3113	.	3051	.	2678	.	1544	.	2328	.	2222
	CV (%)	20.2	.	28.5	.	13.5	.	17.0	.	17.2	.	29.2	.	18.2	.	6.1	.	21.3	.	21.2	.	16.1	.	9.2	.	21.2
	F (Prob)	0.0	.	0.0	.	0.1	.	0.1	.	0.0	.	0.5	.	0.0	.	0.0	.	0.4	.	0.8	.	0.0	.	0.0	.	0.5
	CD (5%)	450.1	.	523.3	.	224.4	.	740.6	.	865.8	.	682.6	.	364.2	.	333.4	.	1136.4	.	993.9	.	435.6	.	252.3	.	825.5
	CD (1%)	624.7	.	726.3	.	311.5	.	1027.9	.	1201.6	.	947.4	.	486.9	.	462.8	.	1577.2	.	1379.4	.	604.5	.	340.4	.	1145.7

Table No. 25 (Contd.) **Yieldwithouthusk**

S. No.	Entry NameCoimb_TN		Dharwar_K		Hyderabad_		Karimnagar		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		PZ																		
		Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	R	Mean	Rank
1	AH 7204	5	1017	4	1408	5	1215	1	1677	2	4452	3	2088	6	750	7	1303	3	1693	3
2	AH-5021	3	735	6	822	7	851	6	920	7	2842	6	2056	7	922	5	835	7	1429	7
3	AH-7043	2	1531	1	1723	3	1173	2	1469	5	3813	5	3153	1	1612	1	1391	1	1552	4
4	AH-7188	8	1242	2	1448	4	910	4	1906	1	4952	1	2875	2	1174	3	1353	2	1521	5
5	LMH 3517	7	940	5	1763	2	837	7	1653	3	4518	2	2130	5	784	6	1143	5	1496	6
6	PAC321	1	657	7	1870	1	948	3	1052	6	3940	4	2477	3	1133	4	886	6	1706	1
7	PMH 2	4	1108	3	1208	6	875	5	1583	4	2607	7	2338	4	1186	2	1189	4	1701	2
8	VL Baby corn 2 (C)	6	281	8	582	8	809	8	632	8	1923	8	1898	8	724	8	574	8	979	8
	Location Mean	.	939	.	1353	.	952	.	1362	.	3631	.	2377	.	1036	.	1084	.	1510	.
	CV (%)	.	19.2	.	35.5	.	10.7	.	15.6	.	34.8	.	21.0	.	30.2	.	15.8	.	16.5	.
	F (Prob)	.	0.0	.	0.1	.	0.0	.	0.0	.	0.1	.	0.1	.	0.1	.	0.0	.	0.0	.
	CD (5%)	.	315.9	.	840.2	.	178.9	.	372.4	.	2212.8	.	872.8	.	547.8	.	163.1	.	120.8	.
	CD (1%)	.	438.4	.	1166.1	.	248.3	.	516.9	.	3071.3	.	1211.3	.	760.3	.	218.1	.	159.5	.

Table No. 25 (Contd.) Cob yield without husk % superiority over VL Baby corn 2

S. No.	Entry Name	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7204	10.05	3	52.05	1	750.77	1	81.35	3	-30.2	8	26.2	1
2	AH-5021	-21.25	7	24.66	3	19.17	7	53.42	6	-1.07	4	21.1	4
3	AH-7043	18.12	2	28.77	2	142.22	3	57.84	5	-0.86	3	23.7	2
4	AH-7188	18.95	1	5.48	5	94.41	4	79.91	4	-15.2	6	14.5	6
5	LMH 3517	8.4	4	12.79	4	412.65	2	22.85	7	-15.2	6	4	7
6	PAC321	-19.44	6	-12.8	7	40.74	6	113.6	2	0.86	1	21.8	3
7	PMH 2	-27.35	8	-13.2	8	65.33	5	118.9	1	-11.1	5	18.1	5
8	VL Baby corn 2 (C)	0	5	0	6	0	8	0	8	0	2	0	8

Table No. 25 (Contd.) **Cob yield without husk % superiority over VL Baby corn 2**

S. No.	Entry Name	NEPZ														NWPZ										
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Sabour_Bi		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ		Coimb_TN
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain
1	AH 7204	70.66	7	-37.55	8	-0.12	7	10	3	28.8	6	14.7	6	15.3	5	329.7	1	16.45	1	6.23	6	108.3	6	248.8	1	2.34
2	AH-5021	72.17	6	45.99	4	16.2	3	7.14	4	23.3	7	16.9	5	14.7	6	211.7	4	-16.4	8	15.97	4	99.56	7	170.7	5	13.84
3	AH-7043	188.9	3	47.68	3	-9.02	8	-17.1	7	79.6	2	43.6	2	20.3	4	107.3	7	15.21	3	23.3	1	175.55	4	132.3	7	18.12
4	AH-7188	171.6	4	8.02	5	18.16	2	-21.4	8	29.7	5	13.8	7	4.16	7	163.8	5	16.1	2	-1.39	8	205.68	2	179.1	4	-15.8
5	LMH 3517	87.18	5	-2.95	7	6.58	5	21.43	1	47.6	4	67.7	1	28.7	3	141.7	6	7.34	4	7.82	5	129.26	5	137.2	6	-7.33
6	PAC321	202.3	1	85.65	1	29.57	1	17.14	2	93.7	1	36.9	4	47.7	1	236.9	3	-16.4	7	18.74	3	234.5	1	236	3	18.14
7	PMH 2	190.7	2	71.31	2	14.49	4	2.14	5	73.3	3	42.8	3	30.7	2	264.3	2	1.87	5	20.47	2	189.08	3	236.8	2	4.46
8	VL Baby corn 2 (C)	0	8	0	6	0	6	0	6	0	8	0	8	0	8	0	8	0	6	0	7	0	8	0	8	0

Table No. 25 (Contd.) **Cob yield without husk % superiority over VL Baby corn 2**

S. No.	Entry Name	PZ																			
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	AH 7204	5	261.6	4	141.73	5	50.21	1	165.4	2	131.58	3	10	6	3.5	7	127	3	73	3
2	AH-5021	3	161.48	6	41.22	7	5.15	6	45.6	7	47.83	6	8.29	7	27.21	5	45.52	7	46	7
3	AH-7043	2	444.32	1	195.87	3	44.98	2	132.4	5	98.3	5	66.1	1	122.6	1	142.3	1	58.5	4
4	AH-7188	8	341.6	2	148.65	4	12.45	4	201.7	1	157.59	1	51.46	2	62.11	3	135.6	2	55.4	5
5	LMH 3517	7	234.2	5	202.7	2	3.43	7	161.5	3	134.98	2	12.2	5	8.26	6	99.13	5	52.8	6
6	PAC321	1	133.7	7	221.07	1	17.17	3	66.48	6	104.95	4	30.49	3	56.38	4	54.29	6	74.3	1
7	PMH 2	4	293.95	3	107.47	6	8.15	5	150.5	4	35.6	7	23.17	4	63.64	2	107.1	4	73.8	2
8	VL Baby corn 2 (C)	6	0	8	0	8	0	8	0	8	0	8	0	8	0	8	0	8	0	8

Table No. 25 (Contd.) **Baby corn Diameter (cm)**

S. No.	Entry Name	CWZ				Z_CWZ
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	
		Mean	Mean	Mean	Mean	Mean
1	AH 7204	1.4	2.3	6.9	3.8	3.6
2	AH-5021	1.5	2.2	4.3	4.0	3.0
3	AH-7043	1.6	2.1	5.2	3.9	3.2
4	AH-7188	1.6	2.1	5.1	4.1	3.2
5	LMH 3517	1.4	2.0	5.2	4.1	3.2
6	PAC321	1.5	1.9	4.0	4.1	2.9
7	PMH 2	1.4	2.0	4.8	4.0	3.0
8	VL Baby corn 2 (C)	1.4	2.2	4.8	4.0	3.1
	Location Mean	1.5	2.1	5.0	4.0	3.2
	CV (%)	20.1	6.0	9.3	2.9	8.9
	F (Prob)	1.0	0.0	0.0	0.1	0.0
	CD (5%)	0.5	0.2	0.8	0.2	0.2
	CD (1%)	0.7	0.3	1.1	0.3	0.3

Table No. 25 (Contd.) **Baby corn Diameter (cm)**

S. No.	Entry Name	NEPZ							NWPZ				
		BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	1.4	1.2	3.4	1.6	2.1	1.3	1.8	1.5	1.5	1.1	1.4	1.4
2	AH-5021	1.3	1.2	3.3	1.4	2.1	1.2	1.8	1.3	1.7	1.2	1.5	1.4
3	AH-7043	1.3	1.4	3.7	1.6	2.2	1.2	1.9	1.5	1.5	1.2	1.4	1.4
4	AH-7188	1.3	1.2	3.8	1.7	2.0	1.3	1.9	1.6	1.6	1.2	1.5	1.5
5	LMH 3517	1.2	1.4	3.8	1.5	2.1	1.3	1.9	1.6	1.7	1.2	1.4	1.5
6	PAC321	1.4	1.5	3.6	1.5	2.3	1.2	1.9	1.3	1.7	1.1	1.5	1.4
7	PMH 2	1.3	1.3	3.5	1.5	2.1	1.3	1.9	1.5	1.7	1.1	1.4	1.4
8	VL Baby corn 2 (C)	1.4	1.3	3.7	1.7	2.1	1.4	1.9	1.5	1.6	1.0	1.4	1.4
	Location Mean	1.3	1.3	3.6	1.6	2.1	1.3	1.9	1.5	1.6	1.1	1.4	1.4
	CV (%)	11.4	5.7	6.9	12.7	5.7	13.5	9.1	7.9	7.2	12.5	9.5	9.1
	F (Prob)	0.8	0.0	0.2	0.6	0.3	0.9	0.0	0.0	0.1	0.8	0.9	0.0
	CD (5%)	0.3	0.1	0.4	0.4	0.2	0.3	0.1	0.2	0.2	0.3	0.2	0.1
	CD (1%)	0.4	0.2	0.6	0.5	0.3	0.4	0.2	0.3	0.3	0.3	0.3	0.1

Table No. 25 (Contd.) **Baby corn Diameter (cm)**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	1.7	1.6	1.0	10.3	1.8	8.2	5.5	1.5	4.0	2.8
2	AH-5021	1.8	1.5	1.1	10.1	1.2	7.1	5.1	1.6	3.7	2.6
3	AH-7043	1.8	1.7	1.4	11.1	1.8	9.2	5.5	1.6	4.2	2.9
4	AH-7188	1.7	1.8	1.1	10.2	1.5	8.5	5.1	1.7	4.0	2.8
5	LMH 3517	1.6	1.6	0.9	10.4	1.6	7.2	4.9	1.5	3.7	2.7
6	PAC321	1.4	1.7	1.0	10.2	1.1	6.5	4.4	1.3	3.4	2.6
7	PMH 2	1.4	1.6	1.0	10.4	1.3	7.7	5.2	1.5	3.8	2.7
8	VL Baby corn 2 (C)	1.6	1.7	1.1	11.3	1.3	6.6	5.1	1.2	3.7	2.7
	Location Mean	1.6	1.7	1.1	10.5	1.5	7.6	5.1	1.5	3.8	2.7
	CV (%)	15.1	17.4	13.7	5.7	10.0	9.0	6.1	14.3	10.0	10.3
	F (Prob)	0.5	0.9	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0
	CD (5%)	0.4	0.5	0.3	1.1	0.3	1.2	0.5	0.4	0.2	0.1
	CD (1%)	0.6	0.7	0.4	1.5	0.4	1.7	0.8	0.5	0.3	0.1

Table No. 25 (Contd.) **Baby corn length (cm)**

S. No.	Entry Name	CWZ				Z_CWZ
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	
		Mean	Mean	Mean	Mean	Mean
1	AH 7204	5.9	6.1	10.5	6.5	7.3
2	AH-5021	6.8	6.9	8.0	7.5	7.3
3	AH-7043	6.5	6.9	8.8	7.7	7.5
4	AH-7188	7.4	5.8	9.2	8.2	7.6
5	LMH 3517	6.4	6.1	11.8	7.0	7.8
6	PAC321	6.7	5.5	7.1	7.5	6.7
7	PMH 2	6.1	5.3	8.8	7.3	6.9
8	VL Baby corn 2 (C)	5.5	6.1	8.5	7.7	6.9
	Location Mean	6.4	6.1	9.1	7.4	7.3
	CV (%)	27.4	14.3	15.2	6.6	16.6
	F (Prob)	0.9	0.3	0.0	0.0	0.0
	CD (5%)	3.1	1.5	2.4	0.9	1.0
	CD (1%)	4.3	2.1	3.4	1.2	1.3

Table No. 25 (Contd.) **Baby corn length (cm)**

S. No.	Entry Name	NEPZ							NWPZ				
		BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	9.1	7.4	8.9	9.2	4.5	8.6	8.0	8.4	9.2	6.5	13.1	9.3
2	AH-5021	9.6	8.2	9.0	8.7	5.1	8.1	8.1	9.1	9.6	6.5	14.2	9.8
3	AH-7043	10.3	9.1	9.4	11.3	4.7	9.4	9.0	10.9	9.4	7.0	14.7	10.5
4	AH-7188	9.0	7.2	9.1	10.5	5.4	8.2	8.2	11.7	9.3	6.9	13.8	10.4
5	LMH 3517	8.8	8.2	9.4	10.5	4.8	9.0	8.5	10.0	9.6	6.7	14.6	10.2
6	PAC321	9.8	9.4	8.8	9.7	5.2	8.8	8.6	9.8	9.7	7.0	10.7	9.3
7	PMH 2	10.9	7.4	9.9	11.1	4.9	10.0	9.0	10.2	9.2	7.2	13.2	10.0
8	VL Baby corn 2 (C)	9.2	7.7	9.3	9.5	5.1	8.9	8.3	9.9	9.8	6.8	9.6	9.0
	Location Mean	9.6	8.1	9.2	10.1	5.0	8.9	8.5	10.0	9.5	6.8	13.0	9.8
	CV (%)	9.0	5.9	4.0	15.2	7.3	12.6	10.6	3.9	5.4	7.8	8.1	6.8
	F (Prob)	0.1	0.0	0.0	0.4	0.2	0.5	0.0	0.0	0.8	0.6	0.0	0.0
	CD (5%)	1.5	0.8	0.6	2.7	0.6	2.0	0.6	0.7	0.9	0.9	1.9	0.6
	CD (1%)	2.1	1.2	0.9	3.7	0.9	2.7	0.8	1.0	1.2	1.3	2.6	0.7

Table No. 25 (Contd.) **Baby corn length (cm)**

S. No.	Entry Name	PZ									All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	10.8	9.0	6.9	8.2	11.3	14.3	9.5	9.7	10.0	8.8
2	AH-5021	10.8	9.4	8.4	8.6	10.6	12.7	10.0	11.1	10.2	9.0
3	AH-7043	10.6	10.9	9.2	8.9	12.5	15.3	10.0	10.9	11.0	9.7
4	AH-7188	10.7	9.9	8.3	8.1	10.6	12.0	10.4	11.2	10.2	9.2
5	LMH 3517	10.0	10.5	8.5	9.0	12.7	15.0	9.4	11.4	10.8	9.5
6	PAC321	9.6	8.9	7.7	8.2	9.3	12.3	9.3	9.3	9.3	8.7
7	PMH 2	9.9	10.7	8.5	9.2	11.7	13.7	10.5	10.4	10.6	9.4
8	VL Baby corn 2 (C)	10.0	10.2	8.2	9.1	10.1	11.7	9.6	9.8	9.8	8.7
	Location Mean	10.3	9.9	8.2	8.7	11.1	13.4	9.8	10.5	10.2	9.1
	CV (%)	9.2	4.7	6.7	6.6	4.1	14.6	5.5	12.1	9.4	10.5
	F (Prob)	0.7	0.0	0.0	0.2	0.0	0.2	0.1	0.4	0.0	0.0
	CD (5%)	1.7	0.8	1.0	1.0	0.8	3.4	0.9	2.2	0.6	0.3
	CD (1%)	2.3	1.1	1.3	1.4	1.1	4.7	1.3	3.1	0.7	0.4

Table No. 25 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ				Z_CWZ
		Ambikapur_CG	Chindwara_MP	Godhara_GJ	Udaipur_Raj	
		Mean	Mean	Mean	Mean	Mean
1	AH 7204	47	52	48	50	49
2	AH-5021	47	58	50	53	52
3	AH-7043	46	56	51	53	51
4	AH-7188	47	55	50	52	51
5	LMH 3517	48	52	50	52	51
6	PAC321	49	58	50	53	52
7	PMH 2	48	55	50	52	51
8	VL Baby corn 2 (C)	48	58	50	54	53
	Location Mean	48	56	50	53	51
	CV (%)	5.8	1.6	1.7	3.0	3.2
	F (Prob)	0.9	0.0	0.1	0.1	0.0
	CD (5%)	4.8	1.6	1.4	2.7	1.3
	CD (1%)	6.7	2.2	2.0	3.8	1.8

Table No. 25 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	NEPZ							NWPZ				
		BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	46	44	44	48	45	41	45	46	46	48	50	47
2	AH-5021	51	42	47	51	48	45	47	47	52	47	53	50
3	AH-7043	47	48	48	51	46	42	47	48	47	47	50	48
4	AH-7188	48	44	48	52	46	43	47	47	45	47	51	48
5	LMH 3517	46	46	44	47	45	41	45	47	48	47	51	48
6	PAC321	51	46	46	55	48	47	49	47	50	51	56	51
7	PMH 2	49	47	48	52	46	43	47	47	45	48	52	48
8	VL Baby corn 2 (C)	51	47	49	54	49	47	50	46	50	51	55	50
	Location Mean	49	46	47	51	47	44	47	47	48	48	52	49
	CV (%)	2.1	6.4	2.8	3.5	2.8	2.4	3.5	2.4	6.3	1.3	3.0	3.7
	F (Prob)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0
	CD (5%)	1.8	5.1	2.3	3.1	2.3	1.9	1.1	2.0	5.2	1.1	2.8	1.5
	CD (1%)	2.5	7.1	3.2	4.4	3.1	2.6	1.5	2.7	7.2	1.5	3.8	2.0

Table No. 25 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	PZ								All India
		Coimb_TN	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	46	50	56	49	48	50	42	49	47
2	AH-5021	51	57	61	54	52	52	45	53	51
3	AH-7043	47	52	58	51	49	52	44	51	49
4	AH-7188	49	55	58	52	49	52	46	52	49
5	LMH 3517	47	50	53	49	50	52	42	49	48
6	PAC321	52	57	60	61	53	53	48	55	52
7	PMH 2	50	57	58	52	50	53	45	52	50
8	VL Baby corn 2 (C)	50	59	60	53	53	52	47	54	52
	Location Mean	49	55	58	53	51	52	45	52	50
	CV (%)	2.7	4.7	4.4	0.9	2.7	2.1	3.8	3.3	3.5
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	2.3	4.5	4.4	0.9	2.4	1.9	3.0	1.1	0.6
	CD (1%)	3.2	6.2	6.2	1.2	3.3	2.6	4.1	1.4	0.8

Table No. 25 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	CWZ					Z_CWZ
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	
		Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	50	49	53	50	51	51
2	AH-5021	50	50	59	53	55	53
3	AH-7043	49	49	57	53	55	53
4	AH-7188	50	49	56	52	54	52
5	LMH 3517	51	50	53	52	53	52
6	PAC321	52	50	59	52	56	54
7	PMH 2	50	49	57	52	55	52
8	VL Baby corn 2 (C)	50	51	59	52	57	54
	Location Mean	50	50	57	52	54	53
	CV (%)	4.7	2.7	1.7	1.5	2.3	2.8
	F (Prob)	0.9	0.4	0.0	0.0	0.0	0.0
	CD (5%)	4.2	2.3	1.6	1.4	2.2	1.1
	CD (1%)	5.8	3.2	2.3	1.9	3.1	1.4

Table No. 25 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	50	46	50	49	50	49	45	49	49	49	49	52	50
2	AH-5021	53	45	52	50	53	53	49	51	48	55	49	56	52
3	AH-7043	51	50	53	51	53	50	47	51	50	49	49	53	50
4	AH-7188	51	46	53	51	54	49	48	50	49	48	49	53	50
5	LMH 3517	50	49	51	48	51	49	45	49	49	51	48	54	50
6	PAC321	54	48	54	49	57	52	52	52	49	52	52	59	53
7	PMH 2	51	49	53	50	55	51	48	51	49	48	48	55	50
8	VL Baby corn 2 (C)	59	50	56	53	46	53	52	53	48	52	52	58	52
	Location Mean	52	48	53	50	53	51	48	51	49	50	50	55	51
	CV (%)	2.7	6.3	2.1	3.9	12.7	1.6	2.1	5.7	2.0	5.5	1.7	2.7	3.3
	F (Prob)	0.0	0.3	0.0	0.1	0.7	0.0	0.0	0.0	0.8	0.1	0.0	0.0	0.0
	CD (5%)	2.5	5.3	1.9	3.4	11.7	1.4	1.8	1.8	1.7	4.8	1.5	2.6	1.4
	CD (1%)	3.4	7.3	2.7	4.7	16.2	2.0	2.5	2.3	2.4	6.7	2.1	3.5	1.8

Table No. 25 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	PZ								All India
		Coimb_TN	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	48	53	58	49	50	50	45	51	50
2	AH-5021	54	59	64	56	54	53	49	56	53
3	AH-7043	51	55	61	52	51	52	48	53	52
4	AH-7188	53	57	61	54	51	53	49	54	52
5	LMH 3517	50	52	56	50	53	52	46	51	51
6	PAC321	54	58	63	56	56	53	50	56	54
7	PMH 2	53	60	60	54	52	54	49	55	52
8	VL Baby corn 2 (C)	53	61	63	56	54	54	50	56	54
	Location Mean	52	57	61	54	53	53	48	54	52
	CV (%)	3.0	4.3	4.9	1.7	2.7	1.8	2.8	3.4	4.2
	F (Prob)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.7	4.3	5.2	1.6	2.5	1.7	2.4	1.1	0.7
	CD (1%)	3.7	6.0	7.2	2.2	3.5	2.3	3.3	1.5	1.0

Table No. 25 (Contd.) **Fodder Weight**

S. No.	Entry Name	CWZ				Z_CWZ
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	
		Mean	Mean	Mean	Mean	Mean
1	AH 7204	21.9	12.9	10.1	32.8	19.4
2	AH-5021	20.9	24.1	13.6	36.1	23.7
3	AH-7043	21.9	18.2	10.3	32.8	20.8
4	AH-7188	15.7	18.0	12.8	31.8	19.6
5	LMH 3517	17.9	16.6	8.3	26.7	17.4
6	PAC321	14.7	23.8	11.1	27.3	19.2
7	PMH 2	14.2	21.7	11.4	29.1	19.1
8	VL Baby corn 2 (C)	16.0	24.1	13.4	23.4	19.2
	Location Mean	17.9	19.9	11.4	30.0	19.8
	CV (%)	20.3	11.7	12.0	12.5	14.8
	F (Prob)	0.1	0.0	0.0	0.0	0.0
	CD (5%)	6.4	4.1	2.4	6.5	2.4
	CD (1%)	8.8	5.7	3.3	9.1	3.2

Table No. 25 (Contd.) **Fodder Weight**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	17.3	18.7	11.7	19.7	8.7	17.3	13.4	15.6	40.8	31.9	35.7	27.3	33.9
2	AH-5021	20.7	24.0	12.3	17.7	12.4	21.9	15.7	18.2	38.7	29.8	33.3	32.2	33.5
3	AH-7043	27.7	20.0	10.2	20.7	14.0	20.1	15.4	18.8	34.3	31.2	35.7	30.4	32.9
4	AH-7188	23.0	18.9	11.8	21.7	10.4	20.0	14.9	17.6	36.2	31.6	33.3	31.7	33.2
5	LMH 3517	21.0	18.6	9.9	21.7	11.9	20.3	13.9	17.2	39.5	28.4	33.7	27.5	32.3
6	PAC321	24.2	18.4	13.5	18.3	12.0	20.8	13.2	17.9	39.3	31.7	34.7	33.7	34.8
7	PMH 2	27.5	22.8	12.1	22.7	12.1	23.0	16.7	20.0	42.8	31.6	32.7	31.7	34.7
8	VL Baby corn 2 (C)	13.7	23.8	10.3	19.3	11.9	21.9	10.5	16.8	41.7	32.8	31.0	28.2	33.4
	Location Mean	21.9	20.7	11.5	20.2	11.7	20.7	14.2	17.8	39.2	31.1	33.8	30.3	33.6
	CV (%)	14.7	9.0	8.2	12.1	10.7	8.7	26.5	11.6	7.2	7.1	9.0	8.2	7.9
	F (Prob)	0.0	0.0	0.0	0.2	0.0	0.1	0.6	0.0	0.0	0.4	0.6	0.1	0.0
	CD (5%)	5.6	3.3	1.7	4.3	2.2	3.2	6.6	1.4	5.0	3.9	5.3	4.4	2.2
	CD (1%)	7.8	4.5	2.3	5.9	3.0	4.4	9.2	1.8	6.9	5.4	7.4	6.1	2.9

Table No. 25 (Contd.) **Fodder Weight**

S. No.	Entry Name	PZ									
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	20.3	18.0	14.4	6.7	30.5	10.6	27.8	23.0	18.3	20.7
2	AH-5021	24.0	31.5	23.0	12.3	33.5	12.7	35.2	29.6	24.6	24.3
3	AH-7043	24.3	21.8	17.8	9.6	30.8	11.0	29.5	28.1	20.7	22.5
4	AH-7188	22.7	22.2	20.3	9.2	31.3	13.4	34.0	22.2	21.9	22.4
5	LMH 3517	21.3	19.4	17.4	8.2	27.1	9.6	29.4	25.6	18.9	20.7
6	PAC321	19.7	23.3	22.0	10.1	32.5	9.8	30.5	23.5	21.1	22.4
7	PMH 2	23.3	23.5	17.3	8.6	32.3	10.6	26.8	27.8	20.4	22.8
8	VL Baby corn 2 (C)	21.3	20.7	16.7	12.4	27.1	11.8	31.6	21.4	20.2	21.6
	Location Mean	22.1	22.6	18.6	9.6	30.6	11.2	30.6	25.1	20.8	22.2
	CV (%)	12.2	12.4	10.8	9.8	5.0	19.3	8.7	21.1	10.6	10.9
	F (Prob)	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0
	CD (5%)	4.7	4.9	3.5	1.7	2.7	3.8	4.7	9.3	1.4	0.9
	CD (1%)	6.6	6.8	4.9	2.3	3.8	5.3	6.5	12.9	1.8	1.1

Table No. 25 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	CWZ			NEPZ						
		Banswara_RJ	Godhara_GJ	Z_CWZ	BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	56	67	62	68	94	76	69	105	76	81
2	AH-5021	58	61	60	72	105	74	71	104	79	84
3	AH-7043	57	64	60	77	106	77	77	106	78	87
4	AH-7188	57	64	60	60	92	77	70	101	64	78
5	LMH 3517	56	65	60	65	91	75	70	102	76	80
6	PAC321	56	77	67	79	101	74	75	102	72	84
7	PMH 2	57	64	60	83	98	76	76	106	79	86
8	VL Baby corn 2 (C)	57	68	62	35	64	73	76	82	56	64
	Location Mean	57	66	61	68	94	75	73	101	73	81
	CV (%)	4.4	12.0	9.0	10.5	7.6	4.3	11.8	4.7	7.8	7.9
	F (Prob)	0.9	0.4	0.0	0.0	0.0	0.7	0.9	0.0	0.0	0.0
	CD (5%)	4.3	13.9	6.5	12.5	12.5	5.6	15.1	8.3	9.9	4.2
	CD (1%)	6.0	19.3	8.8	17.3	17.4	7.8	21.0	11.5	13.7	5.6

Table No. 25 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	NWPZ				PZ									All India
		IARI_ND	Karnal_HR	Pantnagar_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyder_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	85	102	99	95	64	73	81	66	76	81	74	65	73	78
2	AH-5021	85	102	104	97	61	76	82	71	67	78	79	77	74	79
3	AH-7043	78	103	104	95	63	76	93	77	74	78	83	79	78	81
4	AH-7188	80	103	101	95	62	71	83	64	73	82	78	55	71	76
5	LMH 3517	93	104	92	96	63	74	85	75	67	81	82	65	74	78
6	PAC321	87	103	101	97	63	77	92	69	66	77	79	78	75	80
7	PMH 2	92	103	102	99	64	71	82	68	72	79	74	63	72	79
8	VL Baby corn 2 (C)	68	103	88	86	61	45	64	55	56	75	68	48	59	65
	Location Mean	83	103	99	95	63	71	83	68	69	79	77	67	72	77
	CV (%)	3.1	1.0	4.3	3.1	2.5	6.0	6.4	5.8	3.7	5.3	4.8	13.8	6.7	6.8
	F (Prob)	0.0	0.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
	CD (5%)	4.5	1.7	7.4	2.8	2.7	7.4	9.2	6.9	4.5	7.3	6.5	16.1	2.8	1.9
	CD (1%)	6.2	2.4	10.2	3.7	3.8	10.3	12.8	9.6	6.3	10.1	9.0	22.3	3.6	2.5

Table No. 25 (Contd.) **Final Plant Stand**

S. No.	Entry Name	CWZ						NEPZ						
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	74	53	71	70	58	65	70	94	92	74	63	72	77
2	AH-5021	74	55	78	64	63	67	74	104	92	71	63	74	80
3	AH-7043	82	54	78	66	60	68	79	105	94	76	70	76	83
4	AH-7188	82	55	74	67	61	68	62	91	95	75	57	61	73
5	LMH 3517	80	55	75	69	63	68	67	91	92	73	63	71	76
6	PAC321	74	53	78	79	63	69	81	99	95	73	70	69	81
7	PMH 2	75	55	79	69	63	68	85	97	93	74	69	75	82
8	VL Baby corn 2 (C)	73	54	61	70	59	63	37	61	91	70	64	51	62
	Location Mean	77	54	74	69	61	67	70	93	93	73	65	69	77
	CV (%)	15.4	3.9	6.5	10.9	5.7	10.1	10.2	8.0	2.6	4.6	11.6	7.4	7.6
	F (Prob)	0.9	0.9	0.0	0.5	0.4	0.0	0.0	0.0	0.3	0.6	0.4	0.0	0.0
	CD (5%)	20.7	3.7	8.5	13.2	6.1	4.9	12.5	13.0	4.3	6.0	13.2	8.8	3.9
	CD (1%)	28.7	5.2	11.8	18.4	8.4	6.5	17.3	18.0	6.0	8.3	18.3	12.3	5.1

Table No. 25 (Contd.) **Final Plant Stand**

S. No.	Entry Name	NWPZ					PZ								
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	Coimb_TN	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	85	96	82	90	88	62	80	58	75	78	74	66	71	74
2	AH-5021	85	95	82	97	90	59	82	68	66	69	77	75	71	76
3	AH-7043	78	96	81	95	87	61	91	71	73	75	78	75	75	78
4	AH-7188	80	97	80	90	87	60	82	58	72	78	77	55	69	73
5	LMH 3517	93	92	82	83	88	61	83	66	67	78	79	63	71	75
6	PAC321	87	94	83	97	90	61	91	62	65	67	77	75	71	77
7	PMH 2	92	96	81	93	91	63	80	61	72	73	74	65	70	77
8	VL Baby corn 2 (C)	68	94	82	75	80	59	63	53	55	66	67	48	59	65
	Location Mean	83	95	82	90	88	61	82	62	68	73	75	65	69	74
	CV (%)	3.1	1.6	3.2	5.0	3.4	2.7	6.8	6.1	3.6	6.2	3.5	13.5	6.9	7.2
	F (Prob)	0.0	0.0	0.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	4.5	2.6	4.6	7.9	2.5	2.9	9.7	6.6	4.3	8.0	4.6	15.4	2.9	1.8
	CD (1%)	6.2	3.6	6.4	11.0	3.3	4.0	13.5	9.2	5.9	11.0	6.3	21.4	3.9	2.4

Table No. 25 (Contd.) **Plant Height**

S. No.	Entry Name	CWZ						NEPZ							
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Baharaich_UP	Bhub_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	190.9	178.3	124.7	145.0	173.3	162.4	147.0	140.0	127.9	144.7	202.0	151.1	153.7	152.3
2	AH-5021	198.8	168.3	161.7	145.0	178.3	170.4	178.7	165.7	141.7	173.3	241.3	182.9	175.0	179.8
3	AH-7043	188.7	171.7	125.3	162.5	166.7	163.0	151.3	146.3	125.8	136.7	206.0	144.5	144.0	150.7
4	AH-7188	196.3	165.0	145.0	145.0	188.3	167.9	174.7	139.6	130.7	152.7	214.7	156.1	169.7	162.6
5	LMH 3517	214.2	173.3	131.7	157.5	163.3	168.0	149.7	138.9	131.4	144.0	197.3	154.0	148.7	152.0
6	PAC321	222.5	170.0	139.0	140.0	173.3	169.0	146.0	137.3	131.4	159.0	194.0	166.9	148.3	154.7
7	PMH 2	199.8	171.7	139.3	155.0	193.3	171.8	152.7	161.1	136.6	157.7	209.7	161.5	164.0	163.3
8	VL Baby corn 2 (C)	216.2	170.0	159.0	140.0	181.7	173.4	159.7	163.7	135.0	161.0	214.0	171.3	165.3	167.1
	Location Mean	203.4	171.0	140.7	148.8	177.3	168.3	157.5	149.1	132.6	153.6	209.9	161.0	158.6	160.3
	CV (%)	12.6	5.3	5.5	3.9	10.1	9.0	4.6	6.9	4.3	5.4	5.3	6.3	4.2	5.4
	F (Prob)	0.7	0.8	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
	CD (5%)	44.7	15.8	13.7	10.1	31.4	11.1	12.8	18.0	10.0	14.4	19.3	17.7	11.5	5.3
	CD (1%)	62.1	22.0	19.0	14.1	43.6	14.7	17.7	24.9	13.9	20.0	26.8	24.6	16.0	7.0

Table No. 25 (Contd.) **Plant Height**

S. No.	Entry Name	NWPZ					PZ								All India
		IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ	Coimb_TN	Hyderabad_AP	Karimnagar_AP	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	AH 7204	200.0	203.0	188.9	237.7	207.4	132.7	139.9	108.0	161.7	121.7	172.3	112.9	135.6	159.0
2	AH-5021	222.4	192.0	187.2	270.7	218.1	157.5	204.1	121.3	191.7	146.7	171.3	150.1	163.3	179.4
3	AH-7043	182.1	196.0	174.4	225.0	194.4	136.9	155.5	103.0	153.3	108.3	165.7	115.5	134.0	155.9
4	AH-7188	201.1	189.7	195.0	248.7	208.6	139.9	180.4	105.0	176.0	131.7	172.7	114.7	145.8	166.6
5	LMH 3517	183.1	180.7	178.9	229.0	192.9	131.8	155.7	105.3	155.0	106.7	172.0	122.1	135.5	157.6
6	PAC321	201.8	211.3	180.0	231.7	206.2	136.5	176.9	104.7	168.0	100.0	170.0	105.7	137.4	161.5
7	PMH 2	210.1	197.7	180.6	251.3	209.9	133.4	174.5	96.0	173.0	118.3	165.7	121.8	140.4	166.3
8	VL Baby corn 2 (C)	213.9	183.3	188.9	250.3	209.1	154.4	185.2	118.0	184.0	133.3	189.3	122.0	155.2	172.2
	Location Mean	201.8	194.2	184.2	243.0	205.8	140.4	171.5	107.7	170.3	120.8	172.4	120.6	143.4	164.8
	CV (%)	2.1	6.2	10.5	3.3	5.8	5.4	4.7	7.7	6.3	12.8	4.9	5.4	6.8	6.9
	F (Prob)	0.0	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	CD (5%)	7.4	21.1	33.9	13.9	9.7	13.3	14.2	14.5	18.7	27.2	14.7	11.4	5.9	3.8
	CD (1%)	10.3	29.3	47.0	19.3	12.9	18.4	19.8	20.1	26.0	37.7	20.3	15.9	7.9	5.0

Table No. 26 Trial No. 440 (PC-I-II-III) Zone I **Yield (kg/ha)**

S. No.	Entry	NHZ													
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ		All India	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APCH 2	5869	1	3280	3	1497	6	3634	3	3341	5	3585	4	3585	4
2	APCH 3	5761	2	4135	2	3527	3	3053	4	4689	1	4258	3	4258	3
3	DPCH 306	5263	4	2753	4	3848	2	3708	2	4226	3	4261	2	4261	2
4	H1012	3570	6	2411	6	3520	4	3044	5	3627	4	3440	5	3440	5
5	Shalimar Popcorn KDPC-2 (C)	5296	3	4345	1	4262	1	3827	1	4465	2	4462	1	4462	1
6	VL Amber Popcorn (C)	3715	5	2483	5	1839	5	2892	6	2649	6	2774	6	2774	6
	Location Mean	4912	.	3234	.	3082	.	3360	.	3833	.	3797	.	3797	.
	CV (%)	5.29	.	31.89	.	14.26	.	23.07	.	8.1	.	12.14	.	12.14	.
	F (Prob)	0	.	0.17	.	0	.	0.56	.	0	.	0	.	0	.
	CD (5%)	472.86	.	1876.27	.	799.53	.	1410.11	.	565.12	.	380.35	.	380.35	.
	CD (1%)	672.6	.	2668.79	.	1137.24	.	2005.72	.	803.81	.	508.95	.	508.95	.

Table No. 26 (Contd.) **% superiority over Shalimar Popcorn KDPC-2 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	10.83	1	-24.5	3	-64.88	6	-5.06	3	-25.18	5	-19.66	4	-19.66	4
2	APCH 3	8.8	2	-4.82	2	-17.23	3	-20.22	4	5.02	1	-4.58	3	-4.58	3
3	DPCH 306	-0.61	4	-36.65	4	-9.71	2	-3.11	2	-5.35	3	-4.51	2	-4.51	2
4	H1012	-32.59	6	-44.5	6	-17.4	4	-20.48	5	-18.77	4	-22.91	5	-22.91	5
5	Shalimar Popcorn KDPC-2 (Check)	0	3	0	1	0	1	0	1	0	2	0	1	0	1
6	VL Amber popcorn (C)	-29.84	5	-42.85	5	-56.84	5	-24.43	6	-40.68	6	-37.84	6	-37.84	6

Table No. 26 (Contd.) **% superiority over VL Amber Popcorn (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	57.97	1	32.11	3	-18.63	6	25.62	3	26.12	5	29.24	4	29.24	4
2	APCH 3	55.07	2	66.54	2	91.77	3	5.56	4	77.03	1	53.49	3	53.49	3
3	DPCH 306	41.66	4	10.85	4	109.2	2	28.21	2	59.54	3	53.62	2	53.62	2
4	H1012	-3.92	6	-2.89	6	91.38	4	5.22	5	36.93	4	24.01	5	24.01	5
5	Shalimar Popcorn KDPC-2 (Check)	42.53	3	74.97	1	131.7	1	32.32	1	68.57	2	60.87	1	60.87	1
6	VL Amber popcorn (C)	0	5	0	5	0	5	0	6	0	6	0	6	0	6

Table No. 26 (Contd.) **Moisture%**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	18	16	30	17	27	22	22
2	APCH 3	18	16	26	18	25	21	21
3	DPCH 306	18	15	26	17	25	20	20
4	H1012	18	15	26	19	29	21	21
5	Shalimar Popcorn KDPC-2 (C)	17	15	27	18	27	21	21
6	VL Amber Popcorn (C)	17	18	27	18	25	21	21
	Location Mean	18	16	27	18	26	21	21
	CV (%)	1.7	4.7	2.9	14.7	5.2	6.5	6.5
	F (Prob)	0.0	0.0	0.0	1.0	0.0	0.1	0.1
	CD (5%)	0.5	1.4	1.4	4.8	2.5	1.0	1.0
	CD (1%)	0.8	1.9	2.0	6.8	3.5	1.3	1.3

Table No. 26 (Contd.) **Shelling%**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	81.2	80.0	78.6	81.7	83.4	81.0	81.0
2	APCH 3	82.9	80.0	80.8	82.3	85.8	82.4	82.4
3	DPCH 306	83.7	80.0	79.7	81.3	85.7	82.1	82.1
4	H1012	84.2	80.0	79.7	81.4	86.5	82.4	82.4
5	Shalimar Popcorn KDPC-2 (C)	81.3	80.0	79.9	82.1	84.9	81.6	81.6
6	VL Amber Popcorn (C)	83.0	80.0	79.8	81.8	86.0	82.1	82.1
	Location Mean	82.7	80.0	79.7	81.8	85.4	81.9	81.9
	CV (%)	0.0	0.0	0.7	1.4	0.9	0.8	0.8
	F (Prob)	0.0	.	0.0	0.9	0.0	0.0	0.0
	CD (5%)	0.0	0.0	1.0	2.1	1.4	0.5	0.5
	CD (1%)	0.0	0.0	1.4	3.0	2.0	0.6	0.6

Table No. 26 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	62	58	55	64	56	59	59
2	APCH 3	60	56	51	66	56	58	58
3	DPCH 306	58	56	50	66	52	56	56
4	H1012	58	53	49	66	52	56	56
5	Shalimar Popcorn KDPC-2 (C)	58	53	48	68	52	56	56
6	VL Amber Popcorn (C)	60	59	53	66	53	58	58
	Location Mean	60	56	51	66	54	57	57
	CV (%)	1.7	3.2	1.9	5.7	1.1	3.4	3.4
	F (Prob)	0.0	0.0	0.0	0.9	0.0	0.0	0.0
	CD (5%)	1.8	3.2	1.8	6.8	1.1	1.4	1.4
	CD (1%)	2.5	4.6	2.5	9.7	1.5	1.9	1.9

Table No. 26 (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	65	61	60	67	57	62	62
2	APCH 3	63	59	56	69	57	61	61
3	DPCH 306	61	59	53	69	53	59	59
4	H1012	61	56	52	69	53	58	58
5	Shalimar Popcorn KDPC-2 (C)	61	56	51	70	53	58	58
6	VL Amber Popcorn (C)	63	62	57	69	55	61	61
	Location Mean	62	59	55	69	55	60	60
	CV (%)	1.4	3.5	1.9	5.4	1.8	3.4	3.4
	F (Prob)	0.0	0.0	0.0	0.9	0.0	0.0	0.0
	CD (5%)	1.6	3.8	1.9	6.8	1.8	1.5	1.5
	CD (1%)	2.3	5.4	2.7	9.7	2.6	2.0	2.0

Table No. 26 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	102	125	100	109	109	109	109
2	APCH 3	100	124	95	111	108	108	108
3	DPCH 306	97	124	93	112	104	106	106
4	H1012	96	120	91	111	105	105	105
5	Shalimar Popcorn KDPC-2 (C)	98	121	91	112	104	105	105
6	VL Amber Popcorn (C)	100	127	96	114	106	108	108
	Location Mean	99	123	94	111	106	107	107
	CV (%)	0.8	2.1	1.1	3.3	1.6	2.0	2.0
	F (Prob)	0.0	0.1	0.0	0.8	0.0	0.0	0.0
	CD (5%)	1.4	4.8	1.8	6.6	3.1	1.6	1.6
	CD (1%)	2.0	6.8	2.6	9.5	4.4	2.1	2.1

Table No. 26 (Contd.) **Ears (Number)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	44	50	71	59	49	55	55
2	APCH 3	51	50	73	62	53	58	58
3	DPCH 306	48	46	72	60	50	55	55
4	H1012	42	44	72	59	56	55	55
5	Shalimar Popcorn KDPC-2 (C)	47	45	71	63	44	54	54
6	VL Amber Popcorn (C)	37	33	71	58	45	49	49
	Location Mean	45	45	72	60	50	54	54
	CV (%)	4.7	24.8	2.4	5.0	4.8	9.9	9.9
	F (Prob)	0.0	0.5	0.5	0.4	0.0	0.0	0.0
	CD (5%)	3.9	20.1	3.1	5.5	4.4	3.9	3.9
	CD (1%)	5.5	28.6	4.4	7.8	6.2	5.3	5.3

Table No. 26 (Contd.) **Initial Plant stand**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	44	59	74	60	46	57	57
2	APCH 3	47	60	77	59	48	58	58
3	DPCH 306	47	63	75	60	47	59	59
4	H1012	40	63	75	58	48	57	57
5	Shalimar Popcorn KDPC-2 (C)	45	50	76	63	44	56	56
6	VL Amber Popcorn (C)	36	54	73	60	47	54	54
	Location Mean	43	58	75	60	47	57	57
	CV (%)	5.6	15.8	2.3	2.9	1.9	7.7	7.7
	F (Prob)	0.0	0.5	0.2	0.1	0.0	0.1	0.1
	CD (5%)	4.4	16.7	3.2	3.2	1.6	3.2	3.2
	CD (1%)	6.3	23.8	4.5	4.5	2.3	4.2	4.2

Table No. 26 (Contd.) **Final Plant Stand**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	73	52	75	49	60	62	62
2	APCH 3	78	56	78	49	67	66	66
3	DPCH 306	79	51	76	49	64	64	64
4	H1012	67	48	76	46	66	61	61
5	Shalimar Popcorn KDPC-2 (C)	74	48	76	51	59	62	62
6	VL Amber Popcorn (C)	61	35	74	48	63	56	56
	Location Mean	72	48	76	49	63	62	62
	CV (%)	5.6	23.5	2.9	3.4	1.8	9.0	9.0
	F (Prob)	0.0	0.4	0.4	0.1	0.0	0.0	0.0
	CD (5%)	7.4	20.7	3.9	3.0	2.1	4.1	4.1
	CD (1%)	10.5	29.4	5.6	4.2	2.9	5.4	5.4

Table No. 26 (Contd.) **Plant height**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	169	213	210	168	235	199	199
2	APCH 3	189	208	222	205	252	215	215
3	DPCH 306	170	196	208	183	208	193	193
4	H1012	165	195	196	202	223	196	196
5	Shalimar Popcorn KDPC-2 (C)	179	218	216	185	223	204	204
6	VL Amber Popcorn (C)	140	207	194	133	170	169	169
	Location Mean	168	206	208	179	219	196	196
	CV (%)	4.4	11.8	3.1	8.2	5.3	7.4	7.4
	F (Prob)	0.0	0.8	0.0	0.0	0.0	0.0	0.0
	CD (5%)	13.3	44.4	11.9	26.8	21.1	10.6	10.6
	CD (1%)	18.9	63.1	16.9	38.1	29.9	14.1	14.1

Table No. 26 (Contd.)		Popping (%)			Popping volume		
S. No.	Entry	NHZ		All India	NHZ		All India
		VPKAS_UK	Z_NHZ		VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	98	98	98	23.33	23.33	23.33
2	APCH 3	84.67	84.67	84.67	16.67	16.67	16.67
3	DPCH 306	92.67	92.67	92.67	19.5	19.5	19.5
4	H1012	90.33	90.33	90.33	16.17	16.17	16.17
5	Shalimar Popcorn KDPC-2 (C)	79	79	79	15.05	15.05	15.05
6	VL Amber Popcorn (C)	97.67	97.67	97.67	22.73	22.73	22.73
	Location Mean	90.39	90.39	90.39	18.91	18.91	18.91
	CV (%)	4.92	4.92	4.92	13.14	12.23	12.23
	F (Prob)	0	0	0	0.01	0	0
	CD (5%)	8.09	8.09	8.09	4.52	4.21	4.21
	CD (1%)	11.51	11.51	11.51	6.43	5.99	5.99

Table No. 26 (Contd.) **Ear Height**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	93	75	105	102	133	102	102
2	APCH 3	110	91	110	122	143	115	115
3	DPCH 306	78	76	104	92	102	90	90
4	H1012	80	80	98	113	122	99	99
5	Shalimar Popcorn KDPC-2 (C)	90	91	109	100	118	102	102
6	VL Amber Popcorn (C)	73	87	97	75	88	84	84
	Location Mean	88	83	104	101	118	99	99
	CV (%)	11.7	23.3	3.1	15.0	7.7	12.9	12.9
	F (Prob)	0.0	0.8	0.0	0.0	0.0	0.0	0.0
	CD (5%)	18.6	35.4	5.9	27.4	16.6	9.3	9.3
	CD (1%)	26.5	50.4	8.4	39.0	23.6	12.4	12.4

Table No. 27 Trial No. 520 (PC-I-II-III) Zone 2-3-4-5 **Yield (Kg/ha)**

S. No.	Entry Name	CWZ								NEPZ															
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_Bih		Z_NEPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APCH 2	2864	2	2976	1	2026	3	2155	9	1425	9	3962	1	2297	9	2583	1	2035	7	3693	5	2194	7	3026	2
2	APCH 3	2271	6	2361	6	2174	1	2358	6	1675	8	2511	7	3587	1	2415	2	2600	2	3742	4	2854	3	2643	8
3	H 1012	3345	1	2284	7	1931	4	2329	7	2007	5	3388	2	2490	7	2184	3	2461	3	3760	3	2322	4	3052	1
4	IHPC-1201	2365	4	2650	5	2034	2	2367	4	1968	6	2760	4	2634	6	2181	4	1843	9	4134	1	2218	6	2954	4
5	IHPC-1203	2345	5	2754	2	1601	7	2446	2	2672	2	2683	6	3101	3	1949	9	2425	4	3322	6	2299	5	2892	5
6	DPCH-306 (Filler)	1768	9	2680	3	1878	5	3389	1	2751	1	2751	5	3332	2	2140	5	2383	5	2955	9	3097	1	2819	6
7	REHPC2015-2 (Filler)	1860	8	2144	8	1709	6	2366	5	1905	7	2998	3	3047	5	2004	7	2214	6	3135	8	1642	9	2679	7
8	Shalimar pop corn(c)	2552	3	2680	4	1514	9	2424	3	2548	3	2492	8	3072	4	2122	6	2916	1	3868	2	3005	2	2969	3
9	VL Amber pop corn (c)	2202	7	1538	9	1569	8	2199	8	2037	4	2232	9	2482	8	1979	8	2022	8	3153	7	1884	8	2474	9
	Location Mean	2397	.	2452	.	1826	.	2448	.	2110	.	2864	.	2894	.	2173	.	2322	.	3529	.	2391	.	2834	.
	CV (%)	30.6	.	23.6	.	18.2	.	19.5	.	19.6	.	13.2	.	10.5	.	12.1	.	17.2	.	8.0	.	18.2	.	12.8	.
	F (Prob)	0.3	.	0.2	.	0.2	.	0.2	.	0.0	.	0.0	.	0.0	.	0.1	.	0.1	.	0.0	.	0.0	.	0.0	.
	CD (5%)	1270.7	.	1000.0	.	575.5	.	827.7	.	715.2	.	652.0	.	527.2	.	454.3	.	691.9	.	488.0	.	751.6	.	342.7	.
	CD (1%)	1750.8	.	1377.8	.	792.9	.	1140.4	.	985.4	.	898.3	.	726.4	.	626.0	.	953.3	.	672.3	.	1035.6	.	457.1	.

Table No. 27 (Contd.) **Yield (Kg/ha)**

S. No.	Entry Name	NWPZ									
		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APCH 2	4620	1	4512	6	2717	8	2761	1	3637	3
2	APCH 3	2956	8	4057	9	3589	3	2108	9	3082	9
3	H 1012	2884	9	4337	7	2937	6	2299	7	3318	7
4	IHPC-1201	3250	5	4942	2	3464	4	2371	5	3656	2
5	IHPC-1203	3617	3	4607	4	3318	5	2481	3	3544	4
6	DPCH-306 (Filler)	3231	6	4670	3	3844	2	2391	4	3530	5
7	REHPC2015-2 (Filler)	3480	4	4537	5	2891	7	2304	6	3420	6
8	Shalimar pop corn(c)	4414	2	5324	1	4066	1	2620	2	3972	1
9	VL Amber pop corn (c)	3065	7	4188	8	2571	9	2145	8	3166	8
	Location Mean	3502	.	4575	.	3266	.	2387	.	3481	.
	CV (%)	7.0	.	16.9	.	10.9	.	13.4	.	16.2	.
	F (Prob)	0.0	.	0.7	.	0.0	.	0.3	.	0.0	.
	CD (5%)	424.7	.	1334.5	.	614.4	.	553.7	.	664.7	.
	CD (1%)	585.2	.	1838.7	.	846.5	.	762.8	.	893.6	.

Table No. 27 Trial No. 520 (PC-I-II-III) Zone 2-3-4-5

Yield (Kg/ha)

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	APCH 2	3815	5	6173	9	3936	3	4136	3	3543	5	5839	6	2775	9	4013	9	3551	5	4892	9	3991	6
2	APCH 3	3709	7	7775	2	4055	1	3901	5	3261	7	6501	1	2929	8	4088	7	3315	9	5406	3	3969	7
3	H 1012	3949	3	6705	6	3865	4	3855	6	3065	8	5862	4	3134	6	4646	5	3422	7	5070	6	4008	5
4	IHPC-1201	3819	4	6686	7	3507	6	4217	2	3782	3	5955	3	3071	7	4979	3	3797	2	5351	4	4175	3
5	IHPC-1203	3968	2	7571	3	3522	5	3743	7	3720	4	5432	8	3214	4	4087	8	3402	8	5203	5	4064	4
6	DPCH-306 (Filler)	3729	6	6792	4	4049	2	4342	1	4268	2	5848	5	3290	3	5429	1	3851	1	5584	2	4206	2
7	REHPC2015-2 (Filler)	3196	9	6179	8	3204	8	3110	9	3440	6	4936	9	3793	1	5082	2	3601	4	4909	8	3835	8
8	Shalimar pop corn(c)	4364	1	8545	1	3496	7	3951	4	4498	1	5987	2	3780	2	4947	4	3688	3	5994	1	4537	1
9	VL Amber pop corn (c)	3479	8	6771	5	2561	9	3535	8	2944	9	5455	7	3168	5	4525	6	3505	6	4924	7	3717	9
	Location Mean	3781	.	7022	.	3577	.	3866	.	3613	.	5757	.	3239	.	4644	.	3570	.	5259	.	4056	.
	CV (%)	9.1	.	14.6	.	18.7	.	9.4	.	11.3	.	12.8	.	8.7	.	16.2	.	9.9	.	14.5	.	15.2	.
	F (Prob)	0.0	.	0.2	.	0.2	.	0.0	.	0.0	.	0.4	.	0.0	.	0.3	.	0.6	.	0.0	.	0.0	.
	CD (5%)	594.2	.	1770.8	.	1155.5	.	625.6	.	705.6	.	1277.2	.	487.6	.	1305.3	.	610.1	.	621.9	.	331.4	.
	CD (1%)	818.7	.	2439.8	.	1592.1	.	861.9	.	972.1	.	1759.7	.	671.8	.	1798.5	.	840.6	.	826.5	.	437.6	.

Table No. 27 (Contd.) Yield % superiority over Shalimar pop corn

S. No.	Entry Name	CWZ							
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	12	2	11	1	34	3	-11	9
2	APCH 3	-11	6	-12	6	44	1	-3	6
3	H 1012	31	1	-15	7	28	4	-4	7
4	IHPC-1201	-7	4	-1	5	34	2	-2	4
5	IHPC-1203	-8	5	3	2	6	7	1	2
6	DPCH-306 (Filler)	-31	9	0	3	24	5	40	1
7	REHPC2015-2 (Filler)	-27	8	-20	8	13	6	-2	5
8	Shalimar pop corn(c)	0	3	0	4	0	9	0	3
9	VL Amber pop corn (c)	-14	7	-43	9	4	8	-9	8

Table No. 27 (Contd.) **Yield % superiority over Shalimar pop corn**

S. No.	Entry Name	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	-44	9	59	1	-25	9	22	1	-30	7	-5	5	-27	7	2	2	5	1	-15	6	-33	8	5	1	-8	3
2	APCH 3	-34	8	1	7	17	1	14	2	-11	2	-3	4	-5	3	-11	8	-33	8	-24	9	-12	3	-20	9	-22	9
3	H 1012	-21	5	36	2	-19	7	3	3	-16	3	-3	3	-23	4	3	1	-35	9	-19	7	-28	6	-12	7	-16	7
4	IHPC-1201	-23	6	11	4	-14	6	3	4	-37	9	7	1	-26	6	-1	4	-26	5	-7	2	-15	4	-10	5	-8	2
5	IHPC-1203	5	2	8	6	1	3	-8	9	-17	4	-14	6	-24	5	-3	5	-18	3	-13	4	-18	5	-5	3	-11	4
6	DPCH-306 (Filler)	8	1	10	5	8	2	1	5	-18	5	-24	9	3	1	-5	6	-27	6	-12	3	-5	2	-9	4	-11	5
7	REHPC2015-2 (Filler)	-25	7	20	3	-1	5	-6	7	-24	6	-19	8	-45	9	-10	7	-21	4	-15	5	-29	7	-12	6	-14	6
8	Shalimar pop corn(c)	0	3	0	8	0	4	0	6	0	1	0	2	0	2	0	3	0	2	0	1	0	1	0	2	0	1
9	VL Amber pop corn (c)	-20	4	-10	9	-19	8	-7	8	-31	8	-18	7	-37	8	-17	9	-31	7	-21	8	-37	9	-18	8	-20	8

Table No. 27 (Contd.) **Yield % superiority over Shalimar pop corn**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	-13	5	-28	9	13	3	5	3	-21	5	-2	6	-27	9	-19	9	-4	5	-18	9	-12	6
2	APCH 3	-15	7	-9	2	16	1	-1	5	-28	7	9	1	-22	8	-17	7	-10	9	-10	3	-13	7
3	H 1012	-10	3	-22	6	11	4	-2	6	-32	8	-2	4	-17	6	-6	5	-7	7	-15	6	-12	5
4	IHPC-1201	-12	4	-22	7	0	6	7	2	-16	3	-1	3	-19	7	1	3	3	2	-11	4	-8	3
5	IHPC-1203	-9	2	-11	3	1	5	-5	7	-17	4	-9	8	-15	4	-17	8	-8	8	-13	5	-10	4
6	DPCH-306 (Filler)	-15	6	-21	4	16	2	10	1	-5	2	-2	5	-13	3	10	1	4	1	-7	2	-7	2
7	REHPC2015-2 (Filler)	-27	9	-28	8	-8	8	-21	9	-24	6	-18	9	0	1	3	2	-2	4	-18	8	-15	8
8	Shalimar pop corn(c)	0	1	0	1	0	7	0	4	0	1	0	2	0	2	0	4	0	3	0	1	0	1
9	VL Amber pop corn (c)	-20	8	-21	5	-27	9	-11	8	-35	9	-9	7	-16	5	-9	6	-5	6	-18	7	-18	9

Table No. 27 (Contd.) Yield % superiority over VL Amber pop corn

S. No.	Entry Name	CWZ							
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	30	2	94	1	29	3	-2	9
2	APCH 3	3	6	54	6	39	1	7	6
3	H 1012	52	1	49	7	23	4	6	7
4	IHPC-1201	7	4	72	5	30	2	8	4
5	IHPC-1203	6	5	79	2	2	7	11	2
6	DPCH-306 (Filler)	-20	9	74	3	20	5	54	1
7	REHPC2015-2 (Filler)	-16	8	39	8	9	6	8	5
8	Shalimar pop corn(c)	16	3	74	4	-4	9	10	3
9	VL Amber pop corn (c)	0	7	0	9	0	8	0	8

Table No. 27 (Contd.) **Yield % superiority over VL Amber pop corn**

S. No.	Entry Name	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludhiana_PB		Pantnagar_UK		Z_NWPZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	-30	9	77	1	-7	9	31	1	1	7	17	5	16	7	22	2	51	1	8	6	6	8	29	1	15	3
2	APCH 3	-18	8	12	7	45	1	22	2	29	2	19	4	51	3	7	8	-4	8	-3	9	40	3	-2	9	-3	9
3	H 1012	-1	5	52	2	0	7	10	3	22	3	19	3	23	4	23	1	-6	9	4	7	14	6	7	7	5	7
4	IHPC-1201	-3	6	24	4	6	6	10	4	-9	9	31	1	18	6	19	4	6	5	18	2	35	4	11	5	15	2
5	IHPC-1203	31	2	20	6	25	3	-2	9	20	4	5	6	22	5	17	5	18	3	10	4	29	5	16	3	12	4
6	DPCH-306 (Filler)	35	1	23	5	34	2	8	5	18	5	-6	9	64	1	14	6	5	6	12	3	50	2	11	4	11	5
7	REHPC2015-2 (Filler)	-6	7	34	3	23	5	1	7	10	6	-1	8	-13	9	8	7	14	4	8	5	12	7	7	6	8	6
8	Shalimar pop corn(c)	25	3	12	8	24	4	7	6	44	1	23	2	60	2	20	3	44	2	27	1	58	1	22	2	25	1
9	VL Amber pop corn (c)	0	4	0	9	0	8	0	8	0	8	0	7	0	8	0	9	0	7	0	8	0	9	0	8	0	8

Table No. 27 (Contd.) **Yield % superiority over VL Amber pop corn**

S. No.	Entry Name	PZ																					
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	APCH 2	10	5	-9	9	54	3	17	3	20	5	7	6	-12	9	-11	9	1	5	-1	9	7	6
2	APCH 3	7	7	15	2	58	1	10	5	11	7	19	1	-8	8	-10	7	-5	9	10	3	7	7
3	H 1012	14	3	-1	6	51	4	9	6	4	8	7	4	-1	6	3	5	-2	7	3	6	8	5
4	IHPC-1201	10	4	-1	7	37	6	19	2	28	3	9	3	-3	7	10	3	8	2	9	4	12	3
5	IHPC-1203	14	2	12	3	38	5	6	7	26	4	0	8	1	4	-10	8	-3	8	6	5	9	4
6	DPCH-306 (Filler)	7	6	0	4	58	2	23	1	45	2	7	5	4	3	20	1	10	1	13	2	13	2
7	REHPC2015-2 (Filler)	-8	9	-9	8	25	8	-12	9	17	6	-10	9	20	1	12	2	3	4	0	8	3	8
8	Shalimar pop corn(c)	25	1	26	1	37	7	12	4	53	1	10	2	19	2	9	4	5	3	22	1	22	1
9	VL Amber pop corn (c)	0	8	0	5	0	9	0	8	0	9	0	7	0	5	0	6	0	6	0	7	0	9

Table No. 27 (Contd.) **Moisture%**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	15	10	16	21	16
2	APCH 3	15	10	18	21	16
3	H 1012	15	9	17	21	16
4	IHPC-1201	15	9	18	19	15
5	IHPC-1203	15	9	18	19	15
6	DPCH-306 (Filler)	15	10	17	20	16
7	REHPC2015-2 (Filler)	15	10	18	20	16
8	Shalimar pop corn(c)	15	9	18	22	16
9	VL Amber pop corn (c)	15	9	18	21	16
	Location Mean	15	9	17	21	16
	CV (%)	2.3	6.8	6.9	0.0	4.4
	F (Prob)	0.2	0.2	0.8	0.0	0.1
	CD (5%)	0.6	1.1	2.1	0.0	0.6
	CD (1%)	0.8	1.5	2.9	0.0	0.8

Table No. 27 (Contd.) **Moisture%**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	30	25	19	23	19	20	28	23	21	19	14	22	19
2	APCH 3	28	24	19	24	19	23	26	23	22	21	14	21	19
3	H 1012	25	23	20	24	17	19	24	22	18	20	14	19	18
4	IHPC-1201	28	23	19	22	19	19	28	23	20	19	14	22	19
5	IHPC-1203	27	24	20	24	17	19	26	22	23	20	14	18	19
6	DPCH-306 (Filler)	28	23	20	23	19	23	26	23	19	20	14	20	18
7	REHPC2015-2 (Filler)	27	24	21	22	19	23	25	23	20	19	14	19	18
8	Shalimar pop corn(c)	28	22	20	24	18	19	25	22	22	20	14	19	19
9	VL Amber pop corn (c)	26	23	20	24	18	19	25	22	19	20	14	22	19
	Location Mean	27	23	20	23	18	20	26	23	20	20	14	20	19
	CV (%)	3.4	2.3	3.0	6.0	5.5	10.5	7.1	5.9	9.1	8.0	3.5	8.8	8.2
	F (Prob)	0.0	0.0	0.1	0.3	0.2	0.1	0.2	0.1	0.1	1.0	0.5	0.1	0.1
	CD (5%)	1.6	0.9	1.0	2.4	1.7	3.7	3.2	0.8	3.2	2.7	0.9	3.1	1.2
	CD (1%)	2.2	1.3	1.4	3.3	2.4	5.1	4.4	1.1	4.4	3.7	1.2	4.2	1.7

Table No. 27 (Contd.) **Moisture%**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	14	18	13	14	13	13	17	18	12	15	18
2	APCH 3	15	14	15	14	13	13	17	18	12	15	18
3	H 1012	14	16	15	14	13	14	17	19	13	15	18
4	IHPC-1201	14	15	15	14	13	13	16	19	12	15	18
5	IHPC-1203	15	15	14	14	13	13	16	18	12	14	18
6	DPCH-306 (Filler)	14	15	16	14	14	13	17	18	13	15	18
7	REHPC2015-2 (Filler)	14	16	15	16	13	14	17	19	13	15	18
8	Shalimar pop corn(c)	15	13	15	14	13	13	16	19	16	15	18
9	VL Amber pop corn (c)	14	16	13	15	14	14	17	19	13	15	18
	Location Mean	14	15	15	14	13	13	17	18	13	15	18
	CV (%)	2.7	10.4	9.7	5.9	7.1	2.2	4.1	4.6	9.5	6.8	6.6
	F (Prob)	0.0	0.1	0.3	0.3	0.5	0.0	0.4	0.4	0.0	0.1	0.1
	CD (5%)	0.7	2.8	2.5	1.5	1.6	0.5	1.2	1.5	2.1	0.5	0.4
	CD (1%)	0.9	3.8	3.4	2.0	2.2	0.7	1.6	2.0	2.9	0.7	0.5

Table No. 27 (Contd.) **Shelling (%)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	60	91	84	75	78
2	APCH 3	54	91	82	72	75
3	H 1012	61	89	83	79	78
4	IHPC-1201	55	91	82	78	77
5	IHPC-1203	55	96	81	81	78
6	DPCH-306 (Filler)	54	92	85	84	78
7	REHPC2015-2 (Filler)	53	96	83	80	78
8	Shalimar pop corn(c)	55	91	79	80	76
9	VL Amber pop corn (c)	55	83	83	74	74
	Location Mean	56	91	82	78	77
	CV (%)	8.0	10.3	2.3	0.0	6.7
	F (Prob)	0.4	0.8	0.0	0.0	0.0
	CD (5%)	7.7	16.2	3.3	0.0	4.2
	CD (1%)	10.7	22.3	4.5	0.0	5.6

Table No. 27 (Contd.) **Shelling (%)**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	76	78	81	85	67	83	71	77	87	79	77	83	82
2	APCH 3	74	72	79	83	70	85	74	77	82	81	78	82	81
3	H 1012	77	74	80	81	72	86	76	78	75	80	79	83	79
4	IHPC-1201	78	73	80	82	64	87	79	77	73	80	80	82	79
5	IHPC-1203	77	74	79	82	76	86	74	78	80	80	78	81	80
6	DPCH-306 (Filler)	76	75	80	82	68	84	78	78	82	81	80	85	82
7	REHPC2015-2 (Filler)	75	74	79	83	70	84	79	78	84	81	78	81	81
8	Shalimar pop corn(c)	78	72	79	83	75	87	81	79	86	80	80	83	82
9	VL Amber pop corn (c)	74	70	79	85	67	84	77	77	85	80	77	81	81
	Location Mean	76	74	79	83	70	85	76	78	81	80	79	82	81
	CV (%)	2.6	1.6	0.3	2.2	5.4	1.0	4.0	2.8	2.7	1.8	1.4	1.7	2.0
	F (Prob)	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.1	0.0
	CD (5%)	3.4	2.0	0.5	3.2	6.5	1.5	5.3	1.3	3.8	2.5	1.9	2.4	1.3
	CD (1%)	4.7	2.8	0.6	4.4	9.0	2.1	7.3	1.8	5.2	3.4	2.7	3.3	1.7

Table No. 27 (Contd.) **Shelling (%)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	80	81	81	82	81	81	82	76	80	80	79
2	APCH 3	78	84	82	84	78	78	83	77	82	81	79
3	H 1012	81	85	82	85	74	80	83	81	84	82	80
4	IHPC-1201	78	85	83	85	80	79	84	79	84	82	79
5	IHPC-1203	80	85	82	85	81	78	84	74	83	81	80
6	DPCH-306 (Filler)	80	82	79	86	86	79	85	77	84	82	80
7	REHPC2015-2 (Filler)	77	82	81	85	76	80	84	79	82	81	79
8	Shalimar pop corn(c)	81	82	82	83	82	79	87	80	84	82	80
9	VL Amber pop corn (c)	79	86	81	84	75	79	83	79	83	81	78
	Location Mean	79	84	81	84	79	79	84	78	83	81	79
	CV (%)	1.1	1.6	3.1	1.0	0.0	0.5	2.0	5.7	1.1	2.4	3.5
	F (Prob)	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0
	CD (5%)	1.6	2.3	4.3	1.5	0.0	0.6	2.9	7.6	1.5	1.0	0.9
	CD (1%)	2.2	3.2	5.9	2.1	0.0	0.8	4.0	10.5	2.1	1.4	1.2

Table No. 27 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	49	54	49	55	52
2	APCH 3	53	53	50	54	53
3	H 1012	48	51	47	50	49
4	IHPC-1201	50	53	49	53	51
5	IHPC-1203	50	53	48	52	51
6	DPCH-306 (Filler)	49	51	48	51	50
7	REHPC2015-2 (Filler)	51	54	49	54	52
8	Shalimar pop corn(c)	49	52	44	51	49
9	VL Amber pop corn (c)	49	53	47	55	51
	Location Mean	50	53	48	53	51
	CV (%)	2.9	1.9	6.8	3.5	4.1
	F (Prob)	0.0	0.0	0.5	0.0	0.0
	CD (5%)	2.5	1.7	5.7	3.2	1.7
	CD (1%)	3.4	2.4	7.8	4.3	2.2

Table No. 27 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	60	53	51	43	52	47	46	50	48	50	52	55	51
2	APCH 3	62	54	46	44	53	46	44	50	45	49	50	55	50
3	H 1012	52	47	48	45	51	44	41	47	45	46	48	51	48
4	IHPC-1201	57	45	49	45	53	45	44	48	46	46	49	53	48
5	IHPC-1203	53	48	47	46	51	45	44	48	46	48	48	54	49
6	DPCH-306 (Filler)	53	49	47	47	53	45	43	48	46	48	49	54	49
7	REHPC2015-2 (Filler)	54	50	47	45	53	46	46	49	45	48	49	54	49
8	Shalimar pop corn(c)	51	44	47	47	52	43	41	46	45	46	49	52	48
9	VL Amber pop corn (c)	54	50	48	46	51	45	43	48	46	46	49	54	49
	Location Mean	55	49	48	45	52	45	44	48	46	47	49	54	49
	CV (%)	3.0	5.1	2.1	4.7	1.6	1.9	2.1	3.2	2.3	4.0	1.6	1.6	2.5
	F (Prob)	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
	CD (5%)	2.8	4.3	1.8	3.7	1.5	1.5	1.6	0.9	1.8	3.3	1.4	1.5	1.0
	CD (1%)	3.9	5.9	2.4	5.1	2.0	2.0	2.2	1.3	2.5	4.6	1.9	2.1	1.3

Table No. 27 (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	50	59	55	51	55	52	51	54	46	53	52
2	APCH 3	48	59	55	52	56	53	50	53	44	52	51
3	H 1012	48	58	51	50	55	52	47	51	43	50	49
4	IHPC-1201	49	58	54	51	54	50	49	52	44	51	50
5	IHPC-1203	49	58	54	51	53	50	49	51	44	51	50
6	DPCH-306 (Filler)	49	58	53	51	54	51	48	53	43	51	50
7	REHPC2015-2 (Filler)	49	58	54	50	55	52	50	53	44	52	50
8	Shalimar pop corn(c)	45	55	49	50	53	47	45	52	42	49	48
9	VL Amber pop corn (c)	48	58	54	51	53	51	47	52	43	51	50
	Location Mean	48	58	53	51	54	51	49	52	44	51	50
	CV (%)	2.7	1.6	2.6	1.2	2.6	1.8	2.4	2.0	1.4	2.1	2.9
	F (Prob)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.3	1.6	2.4	1.1	2.4	1.6	2.1	1.8	1.1	0.6	0.5
	CD (1%)	3.1	2.2	3.3	1.5	3.3	2.2	2.8	2.5	1.5	0.8	0.6

Table No. 27 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	52	54	51	57	54
2	APCH 3	57	54	53	55	55
3	H 1012	51	52	49	52	51
4	IHPC-1201	53	54	52	54	53
5	IHPC-1203	53	55	51	53	53
6	DPCH-306 (Filler)	52	53	51	52	52
7	REHPC2015-2 (Filler)	54	54	52	55	54
8	Shalimar pop corn(c)	52	53	48	53	51
9	VL Amber pop corn (c)	52	54	49	56	53
	Location Mean	53	54	51	54	53
	CV (%)	2.7	1.8	6.6	3.3	3.9
	F (Prob)	0.0	0.1	0.7	0.0	0.0
	CD (5%)	2.5	1.7	5.8	3.1	1.7
	CD (1%)	3.4	2.3	7.9	4.2	2.3

Table No. 27 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	61	55	54	45	56	51	51	53	50	52	52	58	53
2	APCH 3	63	56	50	47	56	50	48	53	47	50	50	58	51
3	H 1012	53	49	51	47	54	50	45	50	48	48	48	54	50
4	IHPC-1201	59	47	51	48	56	49	49	51	49	47	49	56	50
5	IHPC-1203	55	50	50	48	56	50	48	51	49	49	48	57	51
6	DPCH-306 (Filler)	55	51	50	50	55	49	47	51	48	50	49	57	51
7	REHPC2015-2 (Filler)	55	52	49	47	57	51	50	52	47	50	49	57	51
8	Shalimar pop corn(c)	52	46	50	49	55	48	45	49	47	48	49	55	50
9	VL Amber pop corn (c)	57	52	49	48	55	50	48	51	48	48	49	57	51
	Location Mean	57	51	50	48	55	50	48	51	48	49	49	56	51
	CV (%)	2.7	4.8	2.0	4.5	1.5	1.8	1.6	3.0	2.0	4.0	1.6	1.6	2.5
	F (Prob)	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
	CD (5%)	2.7	4.3	1.8	3.7	1.4	1.6	1.4	0.9	1.7	3.4	1.4	1.6	1.0
	CD (1%)	3.7	5.9	2.4	5.1	1.9	2.2	1.9	1.2	2.3	4.7	1.9	2.2	1.4

Table No. 27 (Contd.) **Days to 50% Silking**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	53	61	58	54	58	54	53	55	49	55	54
2	APCH 3	52	60	58	54	58	54	52	54	48	54	53
3	H 1012	51	59	54	52	57	53	49	52	47	53	51
4	IHPC-1201	52	61	56	53	56	53	51	53	48	54	52
5	IHPC-1203	52	60	56	54	55	53	51	52	48	53	52
6	DPCH-306 (Filler)	52	59	55	53	56	52	50	54	48	53	52
7	REHPC2015-2 (Filler)	53	61	55	53	57	54	52	55	48	54	53
8	Shalimar pop corn(c)	48	57	51	52	55	48	47	53	45	51	50
9	VL Amber pop corn (c)	52	61	56	53	56	53	49	54	47	53	52
	Location Mean	52	60	55	53	56	53	50	54	48	53	52
	CV (%)	2.5	1.3	3.0	1.6	2.6	1.5	2.3	1.6	1.8	2.1	2.8
	F (Prob)	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.2	1.3	2.9	1.4	2.6	1.3	2.0	1.5	1.5	0.6	0.5
	CD (1%)	3.0	1.8	3.9	2.0	3.5	1.8	2.7	2.0	2.0	0.8	0.6

Table No. 27 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	83	92	83	82	85
2	APCH 3	85	92	83	87	87
3	H 1012	79	90	80	83	83
4	IHPC-1201	82	91	84	83	85
5	IHPC-1203	82	90	83	85	85
6	DPCH-306 (Filler)	79	91	83	86	85
7	REHPC2015-2 (Filler)	82	92	82	85	85
8	Shalimar pop corn(c)	79	91	79	83	83
9	VL Amber pop corn (c)	80	90	83	83	84
	Location Mean	81	91	82	84	85
	CV (%)	4.5	1.3	4.0	1.9	3.1
	F (Prob)	0.4	0.5	0.8	0.0	0.0
	CD (5%)	6.3	2.1	5.7	2.8	2.2
	CD (1%)	8.7	2.8	7.9	3.8	2.9

Table No. 27 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	89	86	87	75	90	88	81	85	86	84	85	96	88
2	APCH 3	88	86	87	76	91	87	79	85	88	84	84	98	89
3	H 1012	84	82	87	78	87	87	75	83	86	83	82	91	86
4	IHPC-1201	87	82	88	78	89	86	76	84	85	83	83	93	86
5	IHPC-1203	85	83	87	76	87	87	77	83	86	83	82	96	87
6	DPCH-306 (Filler)	86	83	87	79	90	86	79	84	89	84	84	97	88
7	REHPC2015-2 (Filler)	86	85	86	77	93	88	80	85	85	84	85	96	87
8	Shalimar pop corn(c)	84	81	86	78	87	85	74	82	85	84	81	94	86
9	VL Amber pop corn (c)	86	84	87	77	87	87	77	84	84	83	85	95	87
	Location Mean	86	84	87	77	89	87	77	84	86	84	84	95	87
	CV (%)	1.1	2.3	1.1	3.9	2.1	1.0	2.0	2.1	2.5	0.9	1.5	2.3	1.9
	F (Prob)	0.0	0.1	0.6	0.7	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.1	0.0
	CD (5%)	1.6	3.3	1.6	5.2	3.2	1.6	2.7	1.1	3.7	1.2	2.1	3.8	1.4
	CD (1%)	2.2	4.6	2.2	7.2	4.5	2.2	3.8	1.4	5.1	1.7	2.9	5.2	1.8

Table No. 27 (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	92	96	100	89	98	92	86	96	89	93	88
2	APCH 3	91	95	100	90	98	93	85	93	88	92	89
3	H 1012	90	96	96	88	97	93	83	93	86	91	86
4	IHPC-1201	91	95	98	89	96	93	83	92	87	92	87
5	IHPC-1203	91	95	98	90	95	93	84	93	87	92	87
6	DPCH-306 (Filler)	92	94	97	89	96	93	84	96	86	92	88
7	REHPC2015-2 (Filler)	92	95	97	89	97	93	85	98	88	93	88
8	Shalimar pop corn(c)	87	94	93	88	95	94	81	95	85	90	86
9	VL Amber pop corn (c)	91	95	98	89	96	94	82	95	87	92	87
	Location Mean	91	95	97	89	96	93	84	94	87	92	88
	CV (%)	1.3	1.4	1.7	1.3	1.5	1.0	1.7	2.3	1.2	1.6	2.1
	F (Prob)	0.0	0.5	0.0	0.6	0.3	0.7	0.0	0.1	0.0	0.0	0.0
	CD (5%)	2.1	2.2	2.9	2.0	2.6	1.7	2.4	3.8	1.8	0.8	0.6
	CD (1%)	2.9	3.1	3.9	2.8	3.5	2.3	3.3	5.3	2.5	1.0	0.8

Table No. 27 (Contd.) **Ears (Number)**

S. No.	Entry Name	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Godhara_GJ	
		Mean	Mean	Mean	Mean
1	APCH 2	52	72	39	54
2	APCH 3	53	64	40	52
3	H 1012	52	62	35	50
4	IHPC-1201	52	63	38	51
5	IHPC-1203	51	57	33	47
6	DPCH-306 (Filler)	53	53	33	46
7	REHPC2015-2 (Filler)	52	42	28	41
8	Shalimar pop corn(c)	51	56	30	46
9	VL Amber pop corn (c)	52	52	31	45
	Location Mean	52	58	34	48
	CV (%)	2.4	18.4	15.9	14.1
	F (Prob)	0.5	0.1	0.2	0.0
	CD (5%)	2.2	18.4	9.4	6.4
	CD (1%)	3.0	25.4	12.9	8.6

Table No. 27 (Contd.) **Ears (Number)**

S. No.	Entry Name	NEPZ							NWPZ				
		BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	55	62	80	52	67	71	64	49	116	69	77	78
2	APCH 3	52	61	79	53	65	79	65	58	114	75	67	79
3	H 1012	63	63	78	62	64	64	66	65	119	74	70	82
4	IHPC-1201	57	64	78	48	66	67	63	56	110	72	66	76
5	IHPC-1203	65	63	80	45	56	65	62	58	109	69	75	78
6	DPCH-306 (Filler)	63	64	78	48	48	69	62	48	116	74	68	76
7	REHPC2015-2 (Filler)	48	63	79	47	49	44	55	50	114	56	61	70
8	Shalimar pop corn(c)	55	63	78	54	58	68	63	55	116	71	70	78
9	VL Amber pop corn (c)	65	61	81	51	56	60	63	47	115	65	66	73
	Location Mean	58	63	79	51	59	65	62	54	114	69	69	77
	CV (%)	13.1	2.5	1.8	12.6	9.3	10.0	8.7	7.5	3.8	10.0	7.6	6.8
	F (Prob)	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0
	CD (5%)	13.1	2.8	2.4	11.2	9.4	11.3	3.6	7.0	7.5	12.0	9.0	4.3
	CD (1%)	18.1	3.8	3.3	15.4	13.0	15.6	4.7	9.7	10.3	16.5	12.4	5.7

Table No. 27 (Contd.) **Ears (Number)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	61	72	62	65	82	73	65	72	58	68	67
2	APCH 3	60	76	70	60	95	72	66	74	53	69	68
3	H 1012	58	69	65	63	87	71	66	76	56	68	67
4	IHPC-1201	59	62	61	68	88	72	65	73	51	67	65
5	IHPC-1203	62	71	65	62	94	69	67	76	53	69	66
6	DPCH-306 (Filler)	60	63	58	68	95	67	66	76	52	67	64
7	REHPC2015-2 (Filler)	55	49	40	52	89	63	66	74	50	60	58
8	Shalimar pop corn(c)	59	68	64	57	90	71	66	74	49	66	65
9	VL Amber pop corn (c)	58	74	59	66	95	66	67	70	54	68	64
	Location Mean	59	67	60	62	90	69	66	74	53	67	65
	CV (%)	2.3	6.9	12.3	11.4	7.1	6.9	3.5	5.2	7.2	7.4	8.4
	F (Prob)	0.0	0.0	0.0	0.1	0.3	0.2	0.9	0.7	0.2	0.0	0.0
	CD (5%)	2.4	8.0	12.8	12.2	11.1	8.3	4.0	6.7	6.6	2.7	1.9
	CD (1%)	3.3	11.0	17.7	16.9	15.2	11.4	5.5	9.2	9.0	3.5	2.5

Table No. 27 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	CWZ			NEPZ							NWPZ			
		Banswara_RJ	Godhara_GJ	Z_CWZ	BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	58	47	52	65	62	80	79	80	72	73	49	80	77	68
2	APCH 3	58	46	52	64	61	80	65	78	76	71	53	80	71	68
3	H 1012	59	38	49	70	63	80	77	74	62	71	52	80	75	69
4	IHPC-1201	56	46	51	68	64	79	66	81	70	71	51	79	70	67
5	IHPC-1203	55	42	49	65	63	82	66	80	66	70	52	80	79	70
6	DPCH-306 (Filler)	57	42	50	63	64	80	66	74	72	70	42	80	73	65
7	REHPC2015-2 (Filler)	56	35	46	45	63	81	61	60	45	59	43	80	63	62
8	Shalimar pop corn(c)	57	36	47	59	63	79	60	78	65	67	54	80	74	69
9	VL Amber pop corn (c)	57	38	48	71	61	81	75	85	65	73	47	80	71	66
	Location Mean	57	41	49	63	63	80	68	77	66	70	49	80	73	67
	CV (%)	2.7	15.3	9.2	7.0	2.5	1.9	10.9	11.0	11.2	8.4	8.6	0.6	4.8	4.7
	F (Prob)	0.3	0.2	0.0	0.0	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.6	0.0	0.0
	CD (5%)	2.7	10.9	5.3	7.7	2.8	2.6	12.9	14.6	12.8	3.9	7.3	0.8	6.0	3.0
	CD (1%)	3.7	15.1	7.1	10.6	3.8	3.6	17.8	20.1	17.6	5.1	10.1	1.1	8.2	4.0

Table No. 27 (Contd.) **Initial Plant Stand**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	63	75	64	68	93	71	72	76	61	72	70
2	APCH 3	62	77	72	67	96	69	81	76	57	73	69
3	H 1012	62	76	67	66	89	68	72	79	62	71	69
4	IHPC-1201	62	71	64	69	91	69	73	73	58	70	68
5	IHPC-1203	63	75	68	70	96	72	72	78	58	72	69
6	DPCH-306 (Filler)	61	66	59	74	98	63	77	75	57	70	67
7	REHPC2015-2 (Filler)	57	43	42	56	92	59	70	76	51	61	59
8	Shalimar pop corn(c)	60	68	64	66	88	70	76	77	55	70	67
9	VL Amber pop corn (c)	59	80	61	71	97	65	74	78	57	71	69
	Location Mean	61	70	62	67	93	67	74	77	57	70	67
	CV (%)	2.8	5.5	10.2	9.9	4.5	7.2	5.1	4.3	6.9	6.5	7.1
	F (Prob)	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.6	0.1	0.0	0.0
	CD (5%)	3.0	6.7	10.9	11.5	7.2	8.4	6.5	5.7	6.9	2.4	1.7
	CD (1%)	4.1	9.2	15.1	15.9	9.9	11.5	9.0	7.9	9.5	3.2	2.3

Table No. 27 (Contd.) **Final plant stand (cm)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	57	64	71	64	64
2	APCH 3	57	65	69	64	64
3	H 1012	58	63	58	58	59
4	IHPC-1201	56	65	71	60	63
5	IHPC-1203	55	63	65	58	60
6	DPCH-306 (Filler)	55	50	69	59	58
7	REHPC2015-2 (Filler)	56	39	56	61	53
8	Shalimar pop corn(c)	55	52	57	55	55
9	VL Amber pop corn (c)	57	61	63	60	60
	Location Mean	56	58	64	60	60
	CV (%)	2.5	12.1	11.1	10.2	9.9
	F (Prob)	0.1	0.0	0.1	0.7	0.0
	CD (5%)	2.4	12.1	12.3	10.6	4.8
	CD (1%)	3.3	16.7	17.0	14.6	6.4

Table No. 27 (Contd.) **Final plant stand (cm)**

S. No.	Entry Name	NEPZ							NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	68	63	74	83	86	65	73	54	79	70	61	66
2	APCH 3	67	63	77	83	70	70	71	59	80	82	55	69
3	H 1012	73	64	75	81	77	56	71	57	80	75	58	68
4	IHPC-1201	71	65	75	82	64	62	70	57	79	65	54	64
5	IHPC-1203	68	63	78	83	68	59	70	57	79	69	62	67
6	DPCH-306 (Filler)	66	66	76	81	65	63	70	47	81	75	57	65
7	REHPC2015-2 (Filler)	47	65	73	83	62	38	61	48	80	68	51	62
8	Shalimar pop corn(c)	61	64	78	81	66	58	68	60	80	69	59	67
9	VL Amber pop corn (c)	74	64	74	84	74	57	71	53	80	74	54	65
	Location Mean	66	64	76	82	70	59	69	55	80	72	57	66
	CV (%)	7.0	2.6	5.4	1.8	9.2	10.6	6.5	8.6	1.5	8.5	6.9	6.5
	F (Prob)	0.0	0.4	0.7	0.1	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0
	CD (5%)	8.0	2.8	7.0	2.6	11.2	10.8	3.0	8.1	2.1	10.6	6.8	3.5
	CD (1%)	11.0	3.9	9.7	3.6	15.4	14.9	4.0	11.2	2.9	14.5	9.3	4.6

Table No. 27 (Contd.) **Final plant stand (cm)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	64	73	66	65	76	73	59	62	62	67	68
2	APCH 3	63	77	73	61	79	72	64	63	59	68	68
3	H 1012	63	68	69	62	73	70	61	64	61	66	66
4	IHPC-1201	62	63	64	69	74	70	63	61	55	65	66
5	IHPC-1203	65	74	69	63	78	72	62	64	57	67	67
6	DPCH-306 (Filler)	62	64	61	67	80	65	63	61	55	64	65
7	REHPC2015-2 (Filler)	58	45	42	53	75	61	58	63	51	56	58
8	Shalimar pop corn(c)	62	69	66	61	71	72	61	63	53	64	64
9	VL Amber pop corn (c)	60	74	62	68	79	67	61	64	59	66	66
	Location Mean	62	68	64	63	76	69	61	63	57	65	65
	CV (%)	2.5	7.0	11.5	11.3	4.7	7.5	5.6	3.4	7.1	7.3	7.4
	F (Prob)	0.0	0.0	0.0	0.3	0.1	0.1	0.5	0.6	0.1	0.0	0.0
	CD (5%)	2.7	8.2	12.6	12.4	6.2	8.9	5.9	3.7	7.0	2.6	1.6
	CD (1%)	3.8	11.3	17.4	17.1	8.5	12.3	8.1	5.1	9.7	3.4	2.1

Table No. 27 (Contd.) **Plant Height**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	167	127	153	142	147
2	APCH 3	160	115	156	183	154
3	H 1012	160	114	158	170	151
4	IHPC-1201	160	120	157	165	151
5	IHPC-1203	160	120	156	198	159
6	DPCH-306 (Filler)	159	109	152	168	147
7	REHPC2015-2 (Filler)	157	118	154	193	156
8	Shalimar pop corn(c)	155	120	151	178	151
9	VL Amber pop corn (c)	160	114	154	180	152
	Location Mean	160	117	155	175	152
	CV (%)	4.2	6.7	4.6	13.1	8.6
	F (Prob)	0.7	0.3	0.9	0.2	0.0
	CD (5%)	11.6	13.6	12.2	39.9	10.7
	CD (1%)	16.0	18.7	16.9	55.0	14.2

Table No. 27 (Contd.) **Plant Height**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	127	157	144	167	212	180	137	161	165	174	173	226	185
2	APCH 3	135	153	148	165	203	174	153	161	174	187	183	233	194
3	H 1012	130	162	148	168	204	182	147	163	171	163	178	213	181
4	IHPC-1201	138	172	150	155	220	195	152	169	178	168	177	221	186
5	IHPC-1203	158	169	150	153	217	186	148	169	182	189	188	225	196
6	DPCH-306 (Filler)	130	149	146	168	206	160	143	157	168	172	187	220	187
7	REHPC2015-2 (Filler)	139	169	142	157	205	176	146	162	178	173	192	222	191
8	Shalimar pop corn(c)	144	167	145	180	214	183	139	167	176	181	193	209	190
9	VL Amber pop corn (c)	134	149	145	146	196	173	141	155	164	171	160	199	174
	Location Mean	137	161	146	162	209	179	145	163	173	175	181	219	187
	CV (%)	9.5	4.6	1.9	8.2	6.2	8.0	6.5	6.9	3.3	5.5	8.5	3.3	5.5
	F (Prob)	0.2	0.0	0.0	0.2	0.4	0.3	0.5	0.0	0.0	0.1	0.3	0.0	0.0
	CD (5%)	22.6	12.8	4.7	23.0	22.3	24.7	16.3	6.8	10.0	16.7	26.8	12.6	8.3
	CD (1%)	31.2	17.7	6.5	31.7	30.7	34.1	22.5	9.0	13.8	23.1	36.9	17.4	11.1

Table No. 27 (Contd.) **Plant Height**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	170	148	165	120	133	182	170	196	121	156	161
2	APCH 3	182	150	164	113	143	172	182	190	129	158	164
3	H 1012	176	148	165	114	125	166	163	191	118	152	160
4	IHPC-1201	162	151	166	117	143	177	162	208	127	157	164
5	IHPC-1203	170	157	163	118	158	189	172	196	126	161	169
6	DPCH-306 (Filler)	172	141	153	106	133	161	153	194	115	148	157
7	REHPC2015-2 (Filler)	174	140	166	106	137	172	168	187	121	152	162
8	Shalimar pop corn(c)	167	159	157	117	145	175	172	194	116	156	164
9	VL Amber pop corn (c)	166	143	154	110	118	166	163	189	117	147	155
	Location Mean	171	149	162	114	137	173	167	194	121	154	162
	CV (%)	4.4	6.1	5.9	4.4	14.5	5.7	7.2	4.7	5.7	6.9	6.9
	F (Prob)	0.1	0.2	0.5	0.0	0.4	0.1	0.3	0.3	0.2	0.0	0.0
	CD (5%)	13.0	15.7	16.4	8.7	34.6	17.0	20.9	15.9	11.9	5.7	3.7
	CD (1%)	17.9	21.6	22.7	12.0	47.6	23.4	28.8	21.9	16.3	7.6	4.8

Table No. 27 (Contd.) **Ear Height(cm)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	APCH 2	57	57	56	87	64
2	APCH 3	55	53	57	110	69
3	H 1012	62	52	54	92	65
4	IHPC-1201	52	55	62	82	63
5	IHPC-1203	59	47	60	90	64
6	DPCH-306 (Filler)	58	41	54	85	60
7	REHPC2015-2 (Filler)	56	51	47	92	61
8	Shalimar pop corn(c)	59	51	53	80	61
9	VL Amber pop corn (c)	55	54	58	85	63
	Location Mean	57	51	56	89	63
	CV (%)	8.6	11.3	9.8	10.5	10.4
	F (Prob)	0.5	0.1	0.1	0.0	0.0
	CD (5%)	8.5	10.0	9.5	16.1	5.4
	CD (1%)	11.7	13.8	13.0	22.2	7.2

Table No. 27 (Contd.) **Ear Height(cm)**

S. No.	Entry Name	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	74	57	63	84	89	89	76	76	88	79	113	108	97
2	APCH 3	80	66	69	89	72	87	85	78	102	91	108	113	104
3	H 1012	69	60	66	86	80	93	80	76	90	66	97	95	87
4	IHPC-1201	73	67	65	84	83	94	76	78	89	75	103	98	91
5	IHPC-1203	83	61	65	83	82	91	70	76	93	93	100	101	97
6	DPCH-306 (Filler)	67	51	63	86	72	66	70	68	82	76	97	97	88
7	REHPC2015-2 (Filler)	78	58	65	87	77	76	74	74	94	77	108	105	96
8	Shalimar pop corn(c)	78	58	63	103	86	96	67	79	92	85	107	94	94
9	VL Amber pop corn (c)	74	53	64	77	71	90	68	71	82	78	92	87	85
	Location Mean	75	59	65	87	79	87	74	75	90	80	103	100	93
	CV (%)	10.1	14.4	3.5	11.8	8.4	14.0	12.3	11.4	4.2	11.4	12.4	4.5	8.9
	F (Prob)	0.3	0.4	0.1	0.3	0.0	0.1	0.3	0.0	0.0	0.1	0.5	0.0	0.0
	CD (5%)	13.1	14.7	3.9	17.7	11.5	21.1	15.8	5.2	6.5	15.9	22.0	7.8	6.8
	CD (1%)	18.0	20.2	5.3	24.3	15.8	29.1	21.7	6.9	9.0	21.8	30.3	10.7	9.0

Table No. 27 (Contd.) **Ear Height(cm)**

S. No.	Entry Name	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	94	69	59	59	65	91	58	112	64	77	78
2	APCH 3	90	77	67	56	75	92	77	122	76	82	82
3	H 1012	87	69	65	55	58	88	65	115	64	75	76
4	IHPC-1201	85	66	61	53	63	94	53	124	68	77	77
5	IHPC-1203	81	69	61	54	80	94	62	119	68	78	79
6	DPCH-306 (Filler)	79	57	56	42	70	81	37	108	55	68	70
7	REHPC2015-2 (Filler)	73	63	57	47	78	87	63	108	66	72	75
8	Shalimar pop corn(c)	88	70	60	52	75	85	57	114	57	75	77
9	VL Amber pop corn (c)	82	64	53	50	58	87	55	111	61	71	72
	Location Mean	84	67	60	52	69	89	59	115	64	75	76
	CV (%)	9.0	7.4	8.3	7.9	16.2	6.8	21.5	4.9	7.5	8.7	9.9
	F (Prob)	0.1	0.0	0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
	CD (5%)	13.1	8.6	8.6	7.1	19.4	10.4	21.8	9.7	8.4	3.7	2.5
	CD (1%)	18.0	11.8	11.9	9.8	26.7	14.4	30.0	13.3	11.5	4.9	3.3

Table No. 27 (Contd.) **Popping (%)**

S. No.	Entry Name	NEPZ		NWPZ		PZ		
		Sabour_Bihar	Z_NEPZ	Karnal_HR	Z_NWPZ	Mandya_KR	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	79	79	96	96	99	99	91
2	APCH 3	75	75	95	95	100	100	90
3	H 1012	75	75	95	95	98	98	89
4	IHPC-1201	75	75	95	95	100	100	90
5	IHPC-1203	74	74	97	97	99	99	90
6	DPCH-306 (Filler)	79	79	93	93	89	89	87
7	REHPC2015-2 (Filler)	77	77	98	98	99	99	91
8	Shalimar pop corn(c)	74	74	72	72	89	89	78
9	VL Amber pop corn (c)	77	77	96	96	99	99	91
	Location Mean	76	76	93	93	97	97	89
	CV (%)	6.3	5.9	2.0	2.0	5.5	5.2	4.6
	F (Prob)	0.8	0.0	0.0	0.0	0.1	0.0	0.0
	CD (5%)	8.3	7.8	3.3	3.2	9.2	8.8	3.8
	CD (1%)	11.4	10.8	4.5	4.4	12.7	12.1	5.1

Table No. 27 (Contd.) **Popping Volume**

S. No.	Entry Name	NEPZ		NWPZ		PZ	
		Sabour_Bihar	Z_NEPZ	Karnal_HR	Z_NWPZ	Mandya_KR	All India
		Mean	Mean	Mean	Mean	Mean	Mean
1	APCH 2	334	334	21	21	13	177
2	APCH 3	384	384	21	21	12	203
3	H 1012	312	312	20	20	9	166
4	IHPC-1201	349	349	19	19	12	184
5	IHPC-1203	372	372	21	21	12	197
6	DPCH-306 (Filler)	339	339	19	19	10	179
7	REHPC2015-2 (Filler)	314	314	23	23	9	168
8	Shalimar pop corn(c)	400	400	12	12	8	206
9	VL Amber pop corn (c)	397	397	20	20	12	208
	Location Mean	356	356	20	20	11	188
	CV (%)	13.1	13.1	8.5	8.1	21.2	17.6
	F (Prob)	0.2	0.2	0.0	0.2	0.1	0.2
	CD (5%)	80.7	80.7	2.9	2.7	4.0	38.8
	CD (1%)	111.1	111.1	3.9	3.8	5.5	52.1

Table No. 28: Trial No. 439 (SC-I-II-III) Zone 1 Yield with husk (kg/ha)

S. No.	Entry Name	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	BSCH416078	18333	7	7799	4	9802	8	12000	4	9074	7	10289	6	10289	6
2	BSCH416086	17521	2	5683	5	10208	5	11306	7	10185	4	10981	4	10981	4
3	DSCH-320	14739	6	2574	8	9958	7	12639	2	9444	5	9871	7	9871	7
4	FSCH 119	12521	8	3885	7	10003	6	12514	3	8472	8	9479	8	9479	8
5	LSCH 118	17362	3	4847	6	10882	3	10917	8	9398	6	10681	5	10681	5
6	NUZI 205	18084	1	8708	3	12566	1	11861	5	13981	1	13040	1	13040	1
7	CMVL SC 1 (C)	15911	4	9848	2	11493	2	12917	1	11111	3	12256	2	12256	2
8	Misthi (C)	15303	5	10185	1	10740	4	11583	6	12778	2	12118	3	12118	3
	Location Mean	15526	.	6691	.	10707	.	11967	.	10556	.	11089	.	11089	.
	CV (%)	6.66	.	20.48	.	5.61	.	6.19	.	12.75	.	9.6	.	9.6	.
	F (Prob)	0	.	0	.	0	.	0.06	.	0	.	0	.	0	.
	CD (5%)	1812.18	.	2399.61	.	1052.56	.	1297.4	.	2357.17	.	775.56	.	775.56	.
	CD (1%)	2515.2	.	3330.52	.	1460.9	.	1800.71	.	3271.62	.	1029.66	.	1029.66	.

Table No. 28 (Contd.) **Yield without husk (kg/ha)**

S. No.	Entry Name	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	BSCH416078	18333	7	10152	4	11913	8	16028	5	12546	6	13795	6	13795	6
2	BSCH416086	23625	3	7863	5	12337	5	13694	7	13796	4	14263	4	14263	4
3	DSCH-320	19801	6	3560	8	12014	6	16972	2	13102	5	13090	7	13090	7
4	FSCH 119	16122	8	5655	7	11962	7	16306	3	11667	8	12342	8	12342	8
5	LSCH 118	24028	2	6714	6	13069	3	13361	8	12176	7	13870	5	13870	5
6	NUZI 205	25155	1	12308	2	14635	1	15694	6	21759	1	17910	1	17910	1
7	CMVL SC 1 (C)	21011	5	12175	3	13736	2	18250	1	14352	3	15905	3	15905	3
8	Misthi (C)	21273	4	13221	1	13010	4	16306	3	18194	2	16401	2	16401	2
	Location Mean	21168	.	8956	.	12835	.	15826	.	14699	.	14697	.	14697	.
	CV (%)	5.64	.	16.49	.	5.7	.	7.11	.	8.92	.	8.12	.	8.12	.
	F (Prob)	0	.	0	.	0	.	0	.	0	.	0	.	0	.
	CD (5%)	2092.13	.	2586.45	.	1280.8	.	1969.76	.	2296.33	.	869.55	.	869.55	.
	CD (1%)	2903.76	.	3589.85	.	1777.67	.	2733.91	.	3187.18	.	1154.46	.	1154.46	.

Table No. 28 (Contd.) **% superiority over CMVL SC 1 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	BSCH416078	-12.74	7	-16.61	4	-13.27	8	-12.18	5	-12.58	6	-13.3	6	-13.27	6
2	BSCH416086	12.44	3	-35.42	5	-10.19	5	-24.96	7	-3.87	4	-10.3	4	-10.32	4
3	DSCH-320	-5.76	6	-70.76	8	-12.54	6	-7	2	-8.71	5	-17.7	7	-17.7	7
4	FSCH 119	-23.27	8	-53.55	7	-12.92	7	-10.65	3	-18.71	8	-22.4	8	-22.4	8
5	LSCH 118	14.36	2	-44.85	6	-4.85	3	-26.79	8	-15.16	7	-12.8	5	-12.8	5
6	NUZI 205	19.72	1	1.09	2	6.55	1	-14	6	51.61	1	12.61	1	12.61	1
7	CMVL SC 1 (C)	0	5	0	3	0	2	0	1	0	3	0	3	0	3
8	Misthi (Check)	1.25	4	8.59	1	-5.28	4	-10.65	3	26.77	2	3.12	2	3.12	2

Table No. 28 (Contd.) **% superiority over Misthi (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	BSCH416078	-13.82	7	-23.21	4	-8.43	8	-1.7	5	-31.04	6	-15.89	6	-15.89	6
2	BSCH416086	11.05	3	-40.53	5	-5.18	5	-16.01	7	-24.17	4	-13.03	4	-13.03	4
3	DSCH-320	-6.92	6	-73.07	8	-7.66	6	4.09	2	-27.99	5	-20.19	7	-20.19	7
4	FSCH 119	-24.22	8	-57.22	7	-8.06	7	0	3	-35.88	8	-24.75	8	-24.75	8
5	LSCH 118	12.95	2	-49.22	6	0.45	3	-18.06	8	-33.08	7	-15.43	5	-15.43	5
6	NUZI 205	18.25	1	-6.91	2	12.49	1	-3.75	6	19.59	1	9.2	1	9.2	1
7	CMVL SC 1 (C)	-1.23	5	-7.91	3	5.58	2	11.93	1	-21.12	3	-3.03	3	-3.03	3
8	Misthi (Check)	0	4	0	1	0	4	0	3	0	2	0	2	0	2

Table No. 28 (Contd.) **% superiority over CMVL SC 1 (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	BSCH416078	-19.76	7	-20.8	4	-14.71	8	-7.1		-18.33	7	-16.05	6	-16.05	6
2	BSCH416086	10.12	2	-42.29	5	-11.18	5	-12.47	7	-8.33	4	-10.41	4	-10.41	4
3	DSCH-320	-7.36	6	-73.86	8	-13.35	7	-2.15	2	-15	5	-19.46	7	-19.46	7
4	FSCH 119	-21.3	8	-60.55	7	-12.96	6	-3.12	3	-23.75	8	-22.66	8	-22.66	8
5	LSCH 118	9.12	3	-50.78	6	-5.32	3	-15.48	8	-15.42	6	-12.85	5	-12.85	5
6	NUZI 205	13.66	1	-11.57	3	9.34	1	-8.17	5	25.83	1	6.4	1	6.4	1
7	CMVL SC 1 (C)	0	4	0	2	0	2	0	1	0	3	0	2	0	2
8	Misthi (Check)	-3.82	5	3.43	1	-6.56	4	-10.32	6	15	2	-1.13	3	-1.13	3

Table No. 28 (Contd.) **% superiorityover Misthi (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Kangra_HP		Srinagar_JK		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	BSCH416078	-16.57	7	-23.43	4	-8.73	8	3.6	4	-28.99	7	-15.1	6	-15.1	6
2	BSCH416086	14.5	2	-44.21	5	-4.95	5	-2.4	7	-20.29	4	-9.38	4	-9.38	4
3	DSCH-320	-3.68	6	-74.73	8	-7.27	7	9.11	2	-26.09	5	-18.54	7	-18.54	7
4	FSCH 119	-18.18	8	-61.86	7	-6.85	6	8.03	3	-33.7	8	-21.77	8	-21.77	8
5	LSCH 118	13.46	3	-52.41	6	1.33	3	-5.76	8	-26.45	6	-11.86	5	-11.86	5
6	NUZI 205	18.18	1	-14.5	3	17.01	1	2.4	5	9.42	1	7.61	1	7.61	1
7	CMVL SC 1 (C)	3.97	4	-3.32	2	7.02	2	11.51	1	-13.04	3	1.14	2	1.14	2
8	Misthi (Check)	0	5	0	1	0	4	0	6	0	2	0	3	0	3

Table No. 28 (Contd.) **Days to 50% pollen shed**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	61	59	58	70	59	61	61
2	BSCH416086	60	58	58	70	57	61	61
3	DSCH-320	61	60	58	72	58	62	62
4	FSCH 119	60	56	54	70	58	60	60
5	LSCH 118	58	54	55	74	54	59	59
6	NUZI 205	58	57	56	71	58	60	60
7	CMVL SC 1 (C)	56	53	52	71	55	57	57
8	Misthi (C)	60	56	58	71	59	61	61
	Location Mean	59	57	56	71	57	60	60
	CV (%)	1.6	2.0	2.2	3.5	1.9	2.4	2.4
	F (Prob)	0.0	0.0	0.0	0.5	0.0	0.0	0.0
	CD (5%)	1.6	2.0	2.1	4.4	1.9	1.1	1.1
	CD (1%)	2.2	2.7	3.0	6.1	2.7	1.4	1.4

Table No. 28 (Contd.) **Days to 50% silking**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	64	62	61	72	61	64	64
2	BSCH416086	63	61	61	73	58	63	63
3	DSCH-320	63	63	61	75	59	64	64
4	FSCH 119	63	60	58	72	58	62	62
5	LSCH 118	60	58	58	77	55	62	62
6	NUZI 205	60	60	59	75	58	62	62
7	CMVL SC 1 (C)	59	58	56	74	57	61	61
8	Misthi (C)	63	60	61	74	60	64	64
	Location Mean	62	60	59	74	58	63	63
	CV (%)	1.2	2.1	2.0	3.8	1.6	2.4	2.4
	F (Prob)	0.0	0.0	0.0	0.5	0.0	0.0	0.0
	CD (5%)	1.3	2.3	2.1	4.9	1.6	1.1	1.1
	CD (1%)	1.8	3.1	2.9	6.8	2.2	1.5	1.5

Table No. 28 (Contd.) **Ears (Number)**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	36	49	73	68	40	53	53
2	BSCH416086	43	43	74	63	43	53	53
3	DSCH-320	43	30	74	69	39	51	51
4	FSCH 119	39	41	75	62	42	52	52
5	LSCH 118	45	54	75	60	44	56	56
6	NUZI 205	40	47	72	68	44	54	54
7	CMVL SC 1 (C)	45	59	71	69	44	58	58
8	Misthi (C)	43	57	71	67	43	56	56
	Location Mean	42	48	73	66	42	54	54
	CV (%)	3.8	10.4	1.7	5.2	6.7	5.8	5.8
	F (Prob)	0.0	0.0	0.0	0.0	0.3	0.0	0.0
	CD (5%)	2.8	8.7	2.1	6.0	5.0	2.3	2.3
	CD (1%)	3.9	12.1	3.0	8.3	7.0	3.0	3.0

Table No. 28 (Contd.) **Initial Plant stand (Number/Plot)**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	40	56	76	68	45	57	57
2	BSCH416086	42	47	78	64	44	55	55
3	DSCH-320	44	36	77	68	41	53	53
4	FSCH 119	40	57	79	63	46	57	57
5	LSCH 118	43	60	79	61	46	58	58
6	NUZI 205	40	50	75	66	45	55	55
7	CMVL SC 1 (C)	44	62	75	69	46	59	59
8	Misthi (C)	43	58	75	67	43	57	57
	Location Mean	42	53	77	66	44	57	57
	CV (%)	4.0	9.9	2.4	4.2	4.7	5.4	5.4
	F (Prob)	0.0	0.0	0.1	0.1	0.1	0.0	0.0
	CD (5%)	2.9	9.2	3.2	4.9	3.7	2.2	2.2
	CD (1%)	4.1	12.8	4.4	6.8	5.1	2.9	2.9

Table No. 28 (Contd.) **Final Plant stand (000/ha)**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	35	51	74	66	42	54	54
2	BSCH416086	41	46	76	59	43	53	53
3	DSCH-320	44	32	75	64	39	51	51
4	FSCH 119	39	43	77	59	43	52	52
5	LSCH 118	42	56	76	57	44	55	55
6	NUZI 205	38	48	72	64	43	53	53
7	CMVL SC 1 (C)	44	59	73	67	44	57	57
8	Misthi (C)	43	57	73	64	42	56	56
	Location Mean	41	49	74	63	43	54	54
	CV (%)	3.2	9.7	2.0	6.4	5.4	5.8	5.8
	F (Prob)	0.0	0.0	0.0	0.1	0.3	0.0	0.0
	CD (5%)	2.3	8.4	2.6	7.1	4.0	2.3	2.3
	CD (1%)	3.2	11.6	3.6	9.8	5.5	3.0	3.0

Table No. 28 (Contd.) **Plant height (cm)**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	190	214	199	206	195	201	201
2	BSCH416086	195	200	194	212	213	203	203
3	DSCH-320	193	185	185	195	217	195	195
4	FSCH 119	180	182	183	182	195	184	184
5	LSCH 118	200	211	210	187	217	205	205
6	NUZI 205	215	217	212	247	228	224	224
7	CMVL SC 1 (C)	197	211	175	177	200	192	192
8	Misthi (C)	218	222	211	225	250	225	225
	Location Mean	199	205	196	204	214	204	204
	CV (%)	4.9	3.8	4.1	6.7	4.3	4.9	4.9
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	17.0	13.5	14.2	23.9	16.0	7.2	7.2
	CD (1%)	23.6	18.7	19.7	33.2	22.3	9.6	9.6

Table No. 28 (Contd.) **Ear height (cm)**

S. No.	Entry Name	NHZ						All India
		Bajuara_HP	Barapani_MG	Kangra_HP	Srinagar_JK	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BSCH416078	93	71	98	105	80	89	89
2	BSCH416086	103	76	98	122	107	101	101
3	DSCH-320	87	64	93	92	90	85	85
4	FSCH 119	73	62	91	82	73	76	76
5	LSCH 118	108	75	105	87	110	97	97
6	NUZI 205	108	86	106	130	117	109	109
7	CMVL SC 1 (C)	93	75	85	76	73	81	81
8	Misthi (C)	118	94	105	118	110	109	109
	Location Mean	98	75	98	101	95	94	94
	CV (%)	8.5	10.0	4.6	17.9	12.4	11.9	11.9
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	14.7	13.1	7.8	31.9	20.6	8.1	8.1
	CD (1%)	20.4	18.2	10.9	44.2	28.6	10.7	10.7

Table No. 28 (Contd.) TSS (%)

S. No.	Entry Name	NHZ			All India
		Bajuara_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean
1	BSCH416078	15	16	15	15
2	BSCH416086	16	17	16	16
3	DSCH-320	16	16	16	16
4	FSCH 119	13	15	14	14
5	LSCH 118	16	16	16	16
6	NUZI 205	16	18	17	17
7	CMVL SC 1 (C)	15	16	15	15
8	Misthi (C)	16	16	16	16
	Location Mean	15	16	16	16
	CV (%)	3.7	4.5	4.2	4.2
	F (Prob)	0.0	0.0	0.0	0.0
	CD (5%)	1.0	1.3	0.8	0.8
	CD (1%)	1.4	1.8	1.1	1.1

Table No. 29: Trial No. 526 (SC-I-II-III) Zone 2-3-4-5 Yield with husk (kg/ha)

S. No.	Entry	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	7111	11	3785	2	6333	10	5253	10	5503	8	5597	10
2	BSCH 416078	10556	8	2083	10	8722	7	5559	9	6615	7	6707	9
3	BSCH 416086	12139	7	3472	4	8972	6	5660	8	10139	1	8076	6
4	DSCH-320	8500	9	2847	8	4819	11	5833	7	4045	10	5209	11
5	FSCH-119	7861	10	5236	1	11208	4	6436	5	8316	5	7812	7
6	NUZI 205	17639	1	1576	11	10625	5	5090	11	6632	6	8313	4
7	NUZI 260	13667	6	3073	7	11403	3	5924	6	9531	2	8719	2
8	SUGAR SWEET	16167	2	3344	5	11542	2	7361	3	4583	9	8599	3
9	TOP SWEET	15250	3	2309	9	8167	8	7535	2	4045	10	7461	8
10	Misthi (C)	13750	5	3264	6	12194	1	8073	1	9497	3	9356	1
11	VL SWEET CORN (C)	14056	4	3681	3	8069	9	6758	4	8854	4	8284	5
	Location Mean	12427	.	3152	.	9278	.	6317	.	7069	.	7648	.
	CV (%)	15.7	.	25.0	.	15.3	.	20.7	.	29.4	.	20.6	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.1	.	0.0	.	0.0	.
	CD (5%)	3318.5	.	1343.1	.	2412.5	.	2231.7	.	3540.3	.	1143.7	.
	CD (1%)	4526.6	.	1832.1	.	3290.8	.	3044.1	.	4829.1	.	1513.8	.

Table No. 29: Trial No. 526 (S **Yield with husk (kg/ha)**

S. No.	Entry	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhub_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabo_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludh_PB		Pantnagar_UK		Z_NWPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	9375	10	15208	1	10556	9	10313	3	13215	7	11206	9	17517	6	11793	8	8074	11	15501	2	11944	10	12075	10	11899	11
2	BSCH 416078	10069	7	10000	8	10660	8	9931	8	13914	6	10832	11	14381	9	11175	11	8519	10	15124	5	13021	8	11100	11	11941	10
3	BSCH 416086	8368	11	11875	5	12917	1	9410	11	14602	4	12477	8	17846	5	12204	7	9815	8	13414	9	12847	9	12886	8	12241	9
4	DSCH-320	9931	8	9201	10	11389	5	9583	10	14506	5	11055	10	15428	8	11477	9	9148	9	15825	1	11597	11	12800	9	12343	8
5	FSCH-119	12049	6	8924	11	11597	4	10278	5	12258	10	18643	1	14357	10	13385	6	11667	5	13463	8	14236	6	14850	3	13554	6
6	NUZI 205	14514	5	11181	6	10833	6	10729	2	12473	9	15021	4	18625	4	13944	4	13333	4	15150	4	17708	4	14311	6	15126	3
7	NUZI 260	15938	2	13819	2	10694	7	10313	3	17667	3	16403	2	19888	2	14647	2	13556	3	11172	11	19097	3	16633	2	15115	4
8	SUGAR SWEET	15521	3	13681	4	11632	3	11007	1	21626	1	14456	6	20830	1	14689	1	16926	1	13751	7	19444	2	14400	5	16130	2
9	TOP SWEET	15069	4	9618	9	10451	10	10243	6	19556	2	14929	5	19751	3	14089	3	14556	2	15349	3	21528	1	16907	1	17085	1
10	Misthi (C)	15972	1	13819	3	10069	11	9965	7	12963	8	15529	3	17435	7	13794	5	11296	6	14635	6	15278	5	14800	4	14002	5
11	VL SWEET CORN (C)	9410	9	10764	7	12188	2	9861	9	11685	11	13776	7	10991	11	11245	10	11296	7	12349	10	13368	7	13950	7	12741	7
	Location Mean	12383	.	11645	.	11181	.	10148	.	14951	.	14030	.	17004	.	12949	.	11653	.	14158	.	15461	.	14065	.	13834	.
	CV (%)	14.9	.	20.1	.	13.9	.	7.9	.	22.1	.	14.7	.	11.2	.	13.1	.	7.5	.	14.0	.	17.4	.	10.8	.	13.6	.
	F (Prob)	0.0	.	0.0	.	0.6	.	0.5	.	0.0	.	0.0	.	0.0	.	0.0	.	0.0	.	0.2	.	0.0	.	0.0	.	0.0	.
	CD (5%)	3148.4	.	3982.0	.	2637.2	.	1357.6	.	5621.9	.	3500.1	.	3245.4	.	1225.3	.	1478.4	.	3381.8	.	4578.2	.	2596.9	.	1531.1	.
	CD (1%)	4294.6	.	5431.5	.	3597.2	.	1851.9	.	7668.6	.	4774.2	.	4426.9	.	1621.8	.	2016.6	.	4612.9	.	6244.8	.	3542.3	.	2030.1	.

Table No. 29: Trial No. 526 (SC **Yield with husk (kg/ha)**

S. No.	Entry	PZ																				All India	
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karim_AP		Kolha_MH		Mandya_KR		Pedd_AP		Rahuri_MH		Vagarai_TN		Z_PZ			
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	13837	9	9244	10	5493	10	11539	10	2418	8	12733	10	9583	6	17024	11	9220	10	12327	10	10425	10
2	BSCH 416078	12939	10	9724	9	7606	9	13160	9	2589	5	18833	7	6807	10	18797	9	13068	5	13376	9	10872	9
3	BSCH 416086	14059	7	10151	7	9666	3	14168	7	3259	3	17663	8	6818	9	20803	7	10297	9	13944	7	11701	7
4	DSCH-320	14989	5	9125	11	5288	11	8680	11	2415	9	10087	11	6542	11	17660	10	6678	11	11180	11	9994	11
5	FSCH-119	14477	6	15990	2	10184	2	14679	6	2223	10	20125	4	9554	7	20876	6	14894	1	15950	5	12795	6
6	NUZI 205	12295	11	14293	3	8701	7	15076	5	2078	11	19052	6	10878	2	21527	4	12728	6	15520	6	13245	5
7	NUZI 260	16045	2	17289	1	8930	5	15544	3	2525	6	20688	3	11952	1	21219	5	14813	3	17123	2	14001	2
8	SUGAR SWEET	17181	1	13624	4	9568	4	19894	1	4578	1	22972	1	10077	5	22390	2	12136	7	17690	1	14355	1
9	TOP SWEET	15726	4	13141	5	7858	8	17154	2	3500	2	21045	2	10613	3	21889	3	14267	4	16595	3	13783	3
10	Misthi (C)	15960	3	12917	6	8713	6	15113	4	2426	7	19111	5	10259	4	23142	1	14847	2	16083	4	13413	4
11	VL SWEET CORN (C)	13840	8	9880	8	10635	1	13692	8	2762	4	16399	9	7188	8	20105	8	10936	8	13517	8	11485	8
	Location Mean	14668	.	12307	.	8422	.	14427	.	2798	.	18064	.	9116	.	20494	.	12171	.	14846	.	12370	.
	CV (%)	12.1	.	6.8	.	20.2	.	13.4	.	43.2	.	12.6	.	17.6	.	10.9	.	24	.	12	.	14	.
	F (Prob)	0.1	.	0.0	.	0.0	.	0.0	.	0.4	.	0.0	.	0.0	.	0.1	.	0	.	0	.	0	.
	CD (5%)	3011.0	.	1432.5	.	2903.9	.	3288.0	.	2058.3	.	3879.1	.	2734.4	.	3796.2	.	5051	.	1214	.	628	.
	CD (1%)	4107.1	.	1954.0	.	3961.0	.	4485.0	.	2807.6	.	5291.2	.	3729.8	.	5178.1	.	6889	.	1605	.	827	.

Table No. 29 (Contd.) **Yield with husk % superiority over Misthi**

S. No.	Entry	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-48.3	11.0	16.0	2.0	-48.1	10.0	-34.9	10.0	-42.1	8.0	-40.2	10.0
2	BSCH 416078	-23.2	8.0	-36.2	10.0	-28.5	7.0	-31.1	9.0	-30.4	7.0	-28.3	9.0
3	BSCH 416086	-11.7	7.0	6.4	4.0	-26.4	6.0	-29.9	8.0	6.8	1.0	-13.7	6.0
4	DSCH-320	-38.2	9.0	-12.8	8.0	-60.5	11.0	-27.7	7.0	-57.4	10.0	-44.3	11.0
5	FSCH-119	-42.8	10.0	60.4	1.0	-8.1	4.0	-20.3	5.0	-12.4	5.0	-16.5	7.0
6	NUZI 205	28.3	1.0	-51.7	11.0	-12.9	5.0	-37.0	11.0	-30.2	6.0	-11.2	4.0
7	NUZI 260	-0.6	6.0	-5.9	7.0	-6.5	3.0	-26.6	6.0	0.4	2.0	-6.8	2.0
8	SUGAR SWEET	17.6	2.0	2.5	5.0	-5.4	2.0	-8.8	3.0	-51.7	9.0	-8.1	3.0
9	TOP SWEET	10.9	3.0	-29.3	9.0	-33.0	8.0	-6.7	2.0	-57.4	10.0	-20.3	8.0
10	Misthi (C)	0.0	5.0	0.0	6.0	0.0	1.0	0.0	1.0	0.0	3.0	0.0	1.0
11	VL SWEET CORN (C)	2.2	4.0	12.8	3.0	-33.8	9.0	-16.3	4.0	-6.8	4.0	-11.5	5.0

Table No. 29 (Contd.) **Yield with husk % superiority over Misthi**

S. No.	Entry	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludh_PB		Pant_UK		Z_NWPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-41.3	10.0	10.1	1.0	4.8	9.0	3.5	3.0	1.9	7.0	-27.8	9.0	0.5	6.0	-14.5	8.0	-28.5	11.0	5.9	2.0	-21.8	10.0	-18.4	10.0	-15.0	11.0
2	BSCH 416078	-37.0	7.0	-27.6	8.0	5.9	8.0	-0.4	8.0	7.3	6.0	-30.3	11.0	-17.5	9.0	-19.0	11.0	-24.6	10.0	3.3	5.0	-14.8	8.0	-25.0	11.0	-14.7	10.0
3	BSCH 416086	-47.6	11.0	-14.1	5.0	28.3	1.0	-5.6	11.0	12.6	4.0	-19.7	8.0	2.4	5.0	-11.5	7.0	-13.1	8.0	-8.3	9.0	-15.9	9.0	-12.9	8.0	-12.6	9.0
4	DSCH-320	-37.8	8.0	-33.4	10.0	13.1	5.0	-3.8	10.0	11.9	5.0	-28.8	10.0	-11.5	8.0	-16.8	9.0	-19.0	9.0	8.1	1.0	-24.1	11.0	-13.5	9.0	-11.9	8.0
5	FSCH-119	-24.6	6.0	-35.4	11.0	15.2	4.0	3.1	5.0	-5.4	10.0	20.1	1.0	-17.7	10.0	-3.0	6.0	3.3	5.0	-8.0	8.0	-6.8	6.0	0.3	3.0	-3.2	6.0
6	NUZI 205	-9.1	5.0	-19.1	6.0	7.6	6.0	7.7	2.0	-3.8	9.0	-3.3	4.0	6.8	4.0	1.1	4.0	18.0	4.0	3.5	4.0	15.9	4.0	-3.3	6.0	8.0	3.0
7	NUZI 260	-0.2	2.0	0.0	2.0	6.2	7.0	3.5	3.0	36.3	3.0	5.6	2.0	14.1	2.0	6.2	2.0	20.0	3.0	-23.7	11.0	25.0	3.0	12.4	2.0	7.9	4.0
8	SUGAR SWEET	-2.8	3.0	-1.0	4.0	15.5	3.0	10.5	1.0	66.8	1.0	-6.9	6.0	19.5	1.0	6.5	1.0	49.8	1.0	-6.0	7.0	27.3	2.0	-2.7	5.0	15.2	2.0
9	TOP SWEET	-5.7	4.0	-30.4	9.0	3.8	10.0	2.8	6.0	50.9	2.0	-3.9	5.0	13.3	3.0	2.1	3.0	28.9	2.0	4.9	3.0	40.9	1.0	14.2	1.0	22.0	1.0
10	Misthi (C)	0.0	1.0	0.0	3.0	0.0	11.0	0.0	7.0	0.0	8.0	0.0	3.0	0.0	7.0	0.0	5.0	0.0	6.0	0.0	6.0	0.0	5.0	0.0	4.0	0.0	5.0
11	VL SWEET CORN (C)	-41.1	9.0	-22.1	7.0	21.0	2.0	-1.1	9.0	-9.9	11.0	-11.3	7.0	-37.0	11.0	-18.5	10.0	0.0	7.0	-15.6	10.0	-12.5	7.0	-5.7	7.0	-9.0	7.0

Table No. 29 (Contd.) **Yield with husk % superiority over Misthi**

S. No.	Entry	PZ																					
		Coimb_TN		Dharwar_KR		Hyde_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-13.3	9.0	-28.4	10.0	-37.0	10.0	-23.7	10.0	-0.3	8.0	-33.4	10.0	-6.6	6.0	-26.4	11.0	-37.9	10.0	-23.4	10.0	-22.3	10.0
2	BSCH 416078	-18.9	10.0	-24.7	9.0	-12.7	9.0	-12.9	9.0	6.7	5.0	-1.5	7.0	-33.7	10.0	-18.8	9.0	-12.0	5.0	-16.8	9.0	-19.0	9.0
3	BSCH 416086	-11.9	7.0	-21.4	7.0	11.0	3.0	-6.3	7.0	34.4	3.0	-7.6	8.0	-33.5	9.0	-10.1	7.0	-30.7	9.0	-13.3	7.0	-12.8	7.0
4	DSCH-320	-6.1	5.0	-29.4	11.0	-39.3	11.0	-42.6	11.0	-0.4	9.0	-47.2	11.0	-36.2	11.0	-23.7	10.0	-55.0	11.0	-30.5	11.0	-25.5	11.0
5	FSCH-119	-9.3	6.0	23.8	2.0	16.9	2.0	-2.9	6.0	-8.3	10.0	5.3	4.0	-6.9	7.0	-9.8	6.0	0.3	1.0	-0.8	5.0	-4.6	6.0
6	NUZI 205	-23.0	11.0	10.7	3.0	-0.1	7.0	-0.2	5.0	-14.3	11.0	-0.3	6.0	6.0	2.0	-7.0	4.0	-14.3	6.0	-3.5	6.0	-1.3	5.0
7	NUZI 260	0.5	2.0	33.9	1.0	2.5	5.0	2.9	3.0	4.1	6.0	8.3	3.0	16.5	1.0	-8.3	5.0	-0.2	3.0	6.5	2.0	4.4	2.0
8	SUGAR SWEET	7.7	1.0	5.5	4.0	9.8	4.0	31.6	1.0	88.7	1.0	20.2	1.0	-1.8	5.0	-3.3	2.0	-18.3	7.0	10.0	1.0	7.0	1.0
9	TOP SWEET	-1.5	4.0	1.7	5.0	-9.8	8.0	13.5	2.0	44.3	2.0	10.1	2.0	3.5	3.0	-5.4	3.0	-3.9	4.0	3.2	3.0	2.8	3.0
10	Misthi (C)	0.0	3.0	0.0	6.0	0.0	6.0	0.0	4.0	0.0	7.0	0.0	5.0	0.0	4.0	0.0	1.0	0.0	2.0	0.0	4.0	0.0	4.0
11	VL SWEET CORN (C)	-13.3	8.0	-23.5	8.0	22.1	1.0	-9.4	8.0	13.9	4.0	-14.2	9.0	-29.9	8.0	-13.1	8.0	-26.3	8.0	-16.0	8.0	-14.4	8.0

Table No. 29 (Contd.) Yield with husk % superiority over VL SWEET CORN

S. No.	Entry	CWZ											
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_RJ		Z_CWZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-49.4	11.0	2.8	2.0	-21.5	10.0	-22.3	10.0	-37.8	8.0	-32.4	10.0
2	BSCH 416078	-24.9	8.0	-43.4	10.0	8.1	7.0	-17.7	9.0	-25.3	7.0	-19.0	9.0
3	BSCH 416086	-13.6	7.0	-5.7	4.0	11.2	6.0	-16.3	8.0	14.5	1.0	-2.5	6.0
4	DSCH-320	-39.5	9.0	-22.6	8.0	-40.3	11.0	-13.7	7.0	-54.3	10.0	-37.1	11.0
5	FSCH-119	-44.1	10.0	42.3	1.0	38.9	4.0	-4.8	5.0	-6.1	5.0	-5.7	7.0
6	NUZI 205	25.5	1.0	-57.2	11.0	31.7	5.0	-24.7	11.0	-25.1	6.0	0.4	4.0
7	NUZI 260	-2.8	6.0	-16.5	7.0	41.3	3.0	-12.4	6.0	7.7	2.0	5.3	2.0
8	SUGAR SWEET	15.0	2.0	-9.2	5.0	43.0	2.0	8.9	3.0	-48.2	9.0	3.8	3.0
9	TOP SWEET	8.5	3.0	-37.3	9.0	1.2	8.0	11.5	2.0	-54.3	10.0	-9.9	8.0
10	Misthi (C)	-2.2	5.0	-11.3	6.0	51.1	1.0	19.5	1.0	7.3	3.0	12.9	1.0
11	VL SWEET CORN (C)	0.0	4.0	0.0	3.0	0.0	9.0	0.0	4.0	0.0	4.0	0.0	5.0

Table No. 29 (Contd.) **Yield with husk % superiority over VL SWEET CORN**

S. No.	Entry	NEPZ																NWPZ									
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Ranchi_JH		Sabour_BH		Z_NEPZ		IARI_ND		Karnal_HR		Ludh_PB		Pantnagar_UK		Z_NWPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-0.4	10.0	41.3	1.0	-13.4	9.0	4.6	3.0	13.1	7.0	-18.7	9.0	59.4	6.0	4.9	8.0	-28.5	11.0	25.5	2.0	-10.7	10.0	-13.4	10.0	-6.6	11.0
2	BSCH 416078	7.0	7.0	-7.1	8.0	-12.5	8.0	0.7	8.0	19.1	6.0	-21.4	11.0	30.8	9.0	-0.6	11.0	-24.6	10.0	22.5	5.0	-2.6	8.0	-20.4	11.0	-6.3	10.0
3	BSCH 416086	-11.1	11.0	10.3	5.0	6.0	1.0	-4.6	11.0	25.0	4.0	-9.4	8.0	62.4	5.0	8.5	7.0	-13.1	8.0	8.6	9.0	-3.9	9.0	-7.6	8.0	-3.9	9.0
4	DSCH-320	5.5	8.0	-14.5	10.0	-6.6	5.0	-2.8	10.0	24.1	5.0	-19.8	10.0	40.4	8.0	2.1	9.0	-19.0	9.0	28.2	1.0	-13.3	11.0	-8.2	9.0	-3.1	8.0
5	FSCH-119	28.0	6.0	-17.1	11.0	-4.8	4.0	4.2	5.0	4.9	10.0	35.3	1.0	30.6	10.0	19.0	6.0	3.3	5.0	9.0	8.0	6.5	6.0	6.5	3.0	6.4	6.0
6	NUZI 205	54.2	5.0	3.9	6.0	-11.1	6.0	8.8	2.0	6.8	9.0	9.0	4.0	69.5	4.0	24.0	4.0	18.0	4.0	22.7	4.0	32.5	4.0	2.6	6.0	18.7	3.0
7	NUZI 260	69.4	2.0	28.4	2.0	-12.3	7.0	4.6	3.0	51.2	3.0	19.1	2.0	80.9	2.0	30.3	2.0	20.0	3.0	-9.5	11.0	42.9	3.0	19.2	2.0	18.6	4.0
8	SUGAR SWEET	64.9	3.0	27.1	4.0	-4.6	3.0	11.6	1.0	85.1	1.0	4.9	6.0	89.5	1.0	30.6	1.0	49.8	1.0	11.4	7.0	45.5	2.0	3.2	5.0	26.6	2.0
9	TOP SWEET	60.2	4.0	-10.7	9.0	-14.3	10.0	3.9	6.0	67.4	2.0	8.4	5.0	79.7	3.0	25.3	3.0	28.9	2.0	24.3	3.0	61.0	1.0	21.2	1.0	34.1	1.0
10	Misthi (C)	69.7	1.0	28.4	3.0	-17.4	11.0	1.1	7.0	10.9	8.0	12.7	3.0	58.6	7.0	22.7	5.0	0.0	6.0	18.5	6.0	14.3	5.0	6.1	4.0	9.9	5.0
11	VL SWEET CORN (C)	0.0	9.0	0.0	7.0	0.0	2.0	0.0	9.0	0.0	11.0	0.0	7.0	0.0	11.0	0.0	10.0	0.0	7.0	0.0	10.0	0.0	7.0	0.0	7.0	0.0	7.0

Table No. 29 (Contd.) **Yield with husk % superiority over VL SWEET CORN**

S. No.	Entry	PZ																					
		Coimb_TN		Dharwar_KR		Hyderabad_AP		Karimnagar_AP		Kolhapur_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	0.0	9.0	-6.4	10.0	-48.3	10.0	-15.7	10.0	-12.5	8.0	-22.4	10.0	33.3	6.0	-15.3	11.0	-15.7	10.0	-8.8	10.0	-9.2	10.0
2	BSCH 416078	-6.5	10.0	-1.6	9.0	-28.5	9.0	-3.9	9.0	-6.3	5.0	14.8	7.0	-5.3	10.0	-6.5	9.0	19.5	5.0	-1.0	9.0	-5.4	9.0
3	BSCH 416086	1.6	7.0	2.7	7.0	-9.1	3.0	3.5	7.0	18.0	3.0	7.7	8.0	-5.1	9.0	3.5	7.0	-5.9	9.0	3.2	7.0	1.9	7.0
4	DSCH-320	8.3	5.0	-7.6	11.0	-50.3	11.0	-36.6	11.0	-12.6	9.0	-38.5	11.0	-9.0	11.0	-12.2	10.0	-38.9	11.0	-17.3	11.0	-13.0	11.0
5	FSCH-119	4.6	6.0	61.8	2.0	-4.2	2.0	7.2	6.0	-19.5	10.0	22.7	4.0	32.9	7.0	3.8	6.0	36.2	1.0	18.0	5.0	11.4	6.0
6	NUZI 205	-11.2	11.0	44.7	3.0	-18.2	7.0	10.1	5.0	-24.8	11.0	16.2	6.0	51.4	2.0	7.1	4.0	16.4	6.0	14.8	6.0	15.3	5.0
7	NUZI 260	15.9	2.0	75.0	1.0	-16.0	5.0	13.5	3.0	-8.6	6.0	26.2	3.0	66.3	1.0	5.5	5.0	35.5	3.0	26.7	2.0	21.9	2.0
8	SUGAR SWEET	24.1	1.0	37.9	4.0	-10.0	4.0	45.3	1.0	65.7	1.0	40.1	1.0	40.2	5.0	11.4	2.0	11.0	7.0	30.9	1.0	25.0	1.0
9	TOP SWEET	13.6	4.0	33.0	5.0	-26.1	8.0	25.3	2.0	26.7	2.0	28.3	2.0	47.7	3.0	8.9	3.0	30.5	4.0	22.8	3.0	20.0	3.0
10	Misthi (C)	15.3	3.0	30.7	6.0	-18.1	6.0	10.4	4.0	-12.2	7.0	16.5	5.0	42.7	4.0	15.1	1.0	35.8	2.0	19.0	4.0	16.8	4.0
11	VL SWEET CORN (C)	0.0	8.0	0.0	8.0	0.0	1.0	0.0	8.0	0.0	4.0	0.0	9.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0

Table No. 29 (Contd.) **Yield without husk (kg/ha)**

S. No.	Entry	CWZ									
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Z_CWZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	5306	11	1528	2	5160	10	6642	9	5703	10
2	BSCH 416078	7861	8	1153	8	6944	6	6424	10	7077	9
3	BSCH 416086	9000	7	1486	4	6889	8	7861	8	7917	8
4	DSCH-320	6194	9	1233	7	4042	11	5243	11	5160	11
5	FSCH-119	6028	10	2201	1	9250	3	9583	5	8287	7
6	NUZI 205	12917	1	853	11	7583	5	9079	6	9860	3
7	NUZI 260	10111	5	1488	3	8972	4	9590	4	9558	4
8	SUGAR SWEET	12167	2	1052	10	9639	2	10486	2	10764	1
9	TOP SWEET	11111	3	1080	9	6472	9	10480	3	9354	5
10	Misthi (C)	10056	6	1279	6	9778	1	11021	1	10285	2
11	VL SWEET CORN (C)	10306	4	1304	5	6944	6	8646	7	8632	6
	Location Mean	9187	.	1332	.	7425	.	8641	.	8418	.
	CV (%)	15.3	.	32.9	.	15.4	.	20.6	.	17.4	.
	F (Prob)	0.0	.	0.1	.	0.0	.	0.0	.	0.0	.
	CD (5%)	2393.8	.	746.6	.	1943.5	.	3032.8	.	1382.5	.
	CD (1%)	3265.3	.	1018.4	.	2651.0	.	4136.9	.	1838.6	.

Table No. 29 (Contd.) **Yield without husk (kg/ha)**

S. No.	Entry	NEPZ														NWPZ							
		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Sabo_BH		Z_NEPZ		IARI_ND		Karnal_HR		Pantnagar_UK		Z_NWPZ	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	7396	8	8889	1	7569	8	8646	7	8647	8	14764	2	9319	5	4074	11	12686	1	8942	10	6508	11
2	BSCH 416078	7604	7	5938	9	7604	7	8368	8	9643	6	10254	10	8235	10	5667	8	11796	4	8139	11	6903	10
3	BSCH 416086	6042	11	7257	5	9236	1	8229	10	10019	4	13392	6	9029	7	5556	9	10494	9	9411	8	7483	8
4	DSCH-320	7222	9	5417	10	7951	6	8056	11	9955	5	11090	8	8282	9	5259	10	11763	5	9244	9	7252	9
5	FSCH-119	8958	6	5347	11	8299	5	8681	6	8203	10	10659	9	8358	8	8185	5	11186	6	10300	5	9243	4
6	NUZI 205	9965	5	6667	7	8715	2	9306	2	7509	11	12559	7	9120	6	7630	6	10829	7	10239	6	8934	6
7	NUZI 260	11181	4	8160	2	7535	9	8993	4	11522	3	13660	4	10175	3	8519	3	8882	11	12031	2	10275	3
8	SUGAR SWEET	11806	1	7847	3	8542	4	9618	1	15566	1	15206	1	11431	1	10296	1	10654	8	11076	3	10686	2
9	TOP SWEET	11771	2	6042	8	7465	10	9063	3	12842	2	14735	3	10320	2	8778	2	11923	3	12667	1	10722	1
10	Misthi (C)	11736	3	7813	4	7188	11	8785	5	8610	9	13499	5	9605	4	6630	7	12163	2	10811	4	8720	7
11	VL SWEET CORN (C)	7049	10	7014	6	8576	3	8299	9	8859	7	8566	11	8060	11	8444	4	10053	10	9725	7	9085	5
	Location Mean	9157	.	6944	.	8062	.	8731	.	10125	.	12580	.	9267	.	7185	.	11130	.	10235	.	8710	.
	CV (%)	16.5	.	19.2	.	15.5	.	10.0	.	20.0	.	12.9	.	16.0	.	8.7	.	20.9	.	10.3	.	9.9	.
	F (Prob)	0.0	.	0.1	.	0.6	.	0.5	.	0.0	.	0.0	.	0.0	.	0.0	.	0.8	.	0.0	.	0.0	.
	CD (5%)	2575.2	.	2270.7	.	2133.9	.	1491.8	.	3442.8	.	2762.4	.	975.8	.	1060.3	.	3958.9	.	1786.4	.	1006.4	.
	CD (1%)	3512.6	.	3097.4	.	2910.8	.	2034.9	.	4696.1	.	3768.0	.	1290.0	.	1446.3	.	5400.0	.	2436.8	.	1346.7	.

Table No. 29 (Contd.) **Yield without husk (kg/ha)**

S. No.	Entry	PZ																					
		Coim_TN		Dhar_KR		Hyd_AP		Karimnagar_AP		Kolh_MH		Mandya_KR		Peddapuram_AP		Rahuri_MH		Vagarai_TN		Z_PZ		All India	
		Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R	Mean	R
1	BIO 4043	10681	7	6356	11	6806	10	7819	10	1521	10	8844	10	8051	3	11918	11	6669	10	8945	10	8218	10
2	BSCH 416078	9794	10	7073	9	9618	9	9016	9	2032	4	14927	7	5292	9	13751	9	9696	5	9975	9	8488	9
3	BSCH 416086	10385	9	7245	8	12465	4	10413	6	2018	5	13698	8	5202	10	14471	7	7391	9	10236	7	9077	7
4	DSCH-320	11685	5	6542	10	6632	11	5961	11	1688	6	6135	11	4801	11	12456	10	4640	11	7930	11	7486	11
5	FSCH-119	11063	6	11407	2	13194	2	11098	3	1667	7	16174	4	7443	7	14473	6	9910	3	11943	5	9715	6
6	NUZI 205	9485	11	9514	6	12740	3	10276	7	1397	11	15080	6	7613	6	15410	3	9392	6	11230	6	9973	5
7	NUZI 260	11791	3	11471	1	11597	6	10969	4	1546	9	16736	3	8521	1	14322	8	10829	1	12302	3	10828	3
8	SUGAR SWEET	13424	1	10326	3	11944	5	14471	1	2840	1	18069	1	7750	4	16277	2	8709	7	13386	1	11916	1
9	TOP SWEET	12358	2	9698	5	10104	8	12243	2	2085	3	17090	2	8452	2	15039	4	9889	4	12480	2	10959	2
10	Misthi (C)	11705	4	9750	4	10972	7	10842	5	1638	8	15257	5	7744	5	18117	1	10174	2	12236	4	10549	4
11	VL SWEET CORN (C)	10469	8	7875	7	13854	1	10097	8	2574	2	12472	9	5741	8	14597	5	8614	8	10209	8	9040	8
	Location Mean	11167	.	8841	.	10902	.	10291	.	1910	.	14044	.	6965	.	14621	.	8719	.	10988	.	9659	.
	CV (%)	15.3	.	7.1	.	20.9	.	13.8	.	53.5	.	16.2	.	17.1	.	13.9	.	24.2	.	14.9	.	15.3	.
	F (Prob)	0.3	.	0.0	.	0.0	.	0.0	.	0.8	.	0.0	.	0.0	.	0.1	.	0.1	.	0.0	.	0.0	.
	CD (5%)	2900.0	.	1075.0	.	3872.2	.	2415.5	.	1739.0	.	3871.3	.	2024.8	.	3463.4	.	3598.6	.	1078.5	.	575.2	.
	CD (1%)	3955.7	.	1466.4	.	5281.9	.	3294.9	.	2372.0	.	5280.6	.	2761.9	.	4724.2	.	4908.6	.	1425.8	.	757.6	.

Table No. 29 (Contd.) **Yield without husk % superiority over Misthi**

S. No.	Entry	CWZ										NEPZ													
		Ambikapur_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Z_CWZ		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Sabour_BH		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-47	11	19	2	-47	10	-40	9	-45	10	-37	8	14	1	5	8	-2	7	0	8	9	2	-3	5
2	BSCH 416078	-22	8	-10	8	-29	6	-42	10	-31	9	-35	7	-24	9	6	7	-5	8	12	6	-24	10	-14	10
3	BSCH 416086	-11	7	16	4	-30	8	-29	8	-23	8	-49	11	-7	5	29	1	-6	10	16	4	-1	6	-6	7
4	DSCH-320	-38	9	-4	7	-59	11	-52	11	-50	11	-38	9	-31	10	11	6	-8	11	16	5	-18	8	-14	9
5	FSCH-119	-40	10	72	1	-5	3	-13	5	-19	7	-24	6	-32	11	15	5	-1	6	-5	10	-21	9	-13	8
6	NUZI 205	28	1	-33	11	-22	5	-18	6	-4	3	-15	5	-15	7	21	2	6	2	-13	11	-7	7	-5	6
7	NUZI 260	1	5	16	3	-8	4	-13	4	-7	4	-5	4	4	2	5	9	2	4	34	3	1	4	6	3
8	SUGAR SWEET	21	2	-18	10	-1	2	-5	2	5	1	1	1	0	3	19	4	9	1	81	1	13	1	19	1
9	TOP SWEET	11	3	-16	9	-34	9	-5	3	-9	5	0	2	-23	8	4	10	3	3	49	2	9	3	7	2
10	Misthi (C)	0	6	0	6	0	1	0	1	0	2	0	3	0	4	0	11	0	5	0	9	0	5	0	4
11	VL SWEET CORN (C)	2	4	2	5	-29	6	-22	7	-16	6	-40	10	-10	6	19	3	-6	9	3	7	-37	11	-16	11

Table No. 29 (Contd.) **Yield without husk % superiority over Misthi**

S. No.	Entry	NWPZ								PZ																					
		IARI_ND		Karnal_HR		Pantnagar_UK		Z_NWPZ		Coim_TN		Dhar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mandya_KR		Pedd_AP		Rahu_MH		Vaga_TN		Z_PZ		All India	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-39	11	4	1	-17	10	-25	11	-9	7	-35	11	-38	10	-28	10	-7	10	-42	10	4	3	-34	11	-34	10	-27	10	-22	10
2	BSCH 416078	-15	8	-3	4	-25	11	-21	10	-16	10	-27	9	-12	9	-17	9	24	4	-2	7	-32	9	-24	9	-5	5	-18	9	-20	9
3	BSCH 416086	-16	9	-14	9	-13	8	-14	8	-11	9	-26	8	14	4	-4	6	23	5	-10	8	-33	10	-20	7	-27	9	-16	7	-14	7
4	DSCH-320	-21	10	-3	5	-14	9	-17	9	0	5	-33	10	-40	11	-45	11	3	6	-60	11	-38	11	-31	10	-54	11	-35	11	-29	11
5	FSCH-119	23	5	-8	6	-5	5	6	4	-5	6	17	2	20	2	2	3	2	7	6	4	-4	7	-20	6	-3	3	-2	5	-8	6
6	NUZI 205	15	6	-11	7	-5	6	2	6	-19	11	-2	6	16	3	-5	7	-15	11	-1	6	-2	6	-15	3	-8	6	-8	6	-5	5
7	NUZI 260	28	3	-27	11	11	2	18	3	1	3	18	1	6	6	1	4	-6	9	10	3	10	1	-21	8	6	1	1	3	3	3
8	SUGAR SWEET	55	1	-12	8	2	3	23	2	15	1	6	3	9	5	33	1	73	1	18	1	0	4	-10	2	-14	7	9	1	13	1
9	TOP SWEET	32	2	-2	3	17	1	23	1	6	2	-1	5	-8	8	13	2	27	3	12	2	9	2	-17	4	-3	4	2	2	4	2
10	Misthi (C)	0	7	0	2	0	4	0	7	0	4	0	4	0	7	0	5	0	8	0	5	0	5	0	1	0	2	0	4	0	4
11	VL SWEET CORN (C)	27	4	-17	10	-10	7	4	5	-11	8	-19	7	26	1	-7	8	57	2	-18	9	-26	8	-19	5	-15	8	-17	8	-14	8

Table No. 29 (Contd.) **Yield without husk % superiority over VL SWEET CORN**

S. No.	Entry	CWZ										NEPZ													
		Ambi_CG		Banswara_RJ		Chindwara_MP		Godhara_GJ		Z_CWZ		BHU_UP		Baharaich_UP		Bhubnesh_OD		Dholi_BH		Nadia_WB		Sabour_BH		Z_NEPZ	
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-49	11	17	2	-26	10	-23	9	-34	10	5	8	27	1	-12	8	4	7	-2	8	72	2	16	5
2	BSCH 416078	-24	8	-12	8	0	6	-26	10	-18	9	8	7	-15	9	-11	7	1	8	9	6	20	10	2	10
3	BSCH 416086	-13	7	14	4	-1	8	-9	8	-8	8	-14	11	3	5	8	1	-1	10	13	4	56	6	12	7
4	DSCH-320	-40	9	-5	7	-42	11	-39	11	-40	11	2	9	-23	10	-7	6	-3	11	12	5	29	8	3	9
5	FSCH-119	-42	10	69	1	33	3	11	5	-4	7	27	6	-24	11	-3	5	5	6	-7	10	24	9	4	8
6	NUZI 205	25	1	-35	11	9	5	5	6	14	3	41	5	-5	7	2	2	12	2	-15	11	47	7	13	6
7	NUZI 260	-2	5	14	3	29	4	11	4	11	4	59	4	16	2	-12	9	8	4	30	3	59	4	26	3
8	SUGAR SWEET	18	2	-19	10	39	2	21	2	25	1	67	1	12	3	0	4	16	1	76	1	78	1	42	1
9	TOP SWEET	8	3	-17	9	-7	9	21	3	8	5	67	2	-14	8	-13	10	9	3	45	2	72	3	28	2
10	Misthi (C)	-2	6	-2	6	41	1	27	1	19	2	67	3	11	4	-16	11	6	5	-3	9	58	5	19	4
11	VL SWEET CORN (C)	0	4	0	5	0	6	0	7	0	6	0	10	0	6	0	3	0	9	0	7	0	11	0	11

Table No. 29 (Contd.) **Yield without husk % superiority over VL SWEET CORN**

S. No.	Entry	NWPZ								PZ																				All	
		IARI_ND		Karnal_HR		Pantnagar_UK		Z_NWP		Coim_TN		Dhar_KR		Hyde_AP		Karim_AP		Kolh_MH		Mand_KR		Pedd_AP		Rahu_MH		Vaga_TN		Z_PZ			
		Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R	Gain	R
1	BIO 4043	-52	11	26	1	-8	10	-28	11	2	7	-19	11	-51	10	-23	10	-41	10	-29	10	40	3	-18	11	-23	10	-12	10	-9	10
2	BSCH 416078	-33	8	17	4	-16	11	-24	10	-6	10	-10	9	-31	9	-11	9	-21	4	20	7	-8	9	-6	9	13	5	-2	9	-6	9
3	BSCH 416086	-34	9	4	9	-3	8	-18	8	-1	9	-8	8	-10	4	3	6	-22	5	10	8	-9	10	-1	7	-14	9	0	7	0	7
4	DSCH-320	-38	10	17	5	-5	9	-20	9	12	5	-17	10	-52	11	-41	11	-34	6	-51	11	-16	11	-15	10	-46	11	-22	11	-17	11
5	FSCH-119	-3	5	11	6	6	5	2	4	6	6	45	2	-5	2	10	3	-35	7	30	4	30	7	-1	6	15	3	17	5	7	6
6	NUZI 205	-10	6	8	7	5	6	-2	6	-9	11	21	6	-8	3	2	7	-46	11	21	6	33	6	6	3	9	6	10	6	10	5
7	NUZI 260	1	3	-12	11	24	2	13	3	13	3	46	1	-16	6	9	4	-40	9	34	3	48	1	-2	8	26	1	21	3	20	3
8	SUGAR SWEET	22	1	6	8	14	3	18	2	28	1	31	3	-14	5	43	1	10	1	45	1	35	4	12	2	1	7	31	1	32	1
9	TOP SWEET	4	2	19	3	30	1	18	1	18	2	23	5	-27	8	21	2	-19	3	37	2	47	2	3	4	15	4	22	2	21	2
10	Misthi (C)	-21	7	21	2	11	4	-4	7	12	4	24	4	-21	7	7	5	-36	8	22	5	35	5	24	1	18	2	20	4	17	4
11	VL SWEET CORN (C)	0	4	0	10	0	7	0	5	0	8	0	7	0	1	0	8	0	2	0	9	0	8	0	5	0	8	0	8	0	8

Table No. 29 (Contd.) **Days to 50% Pollen shed**

S. No.	Entry	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	56	55	58	57	57	57
2	BSCH 416078	55	54	56	52	54	54
3	BSCH 416086	53	52	54	54	54	53
4	DSCH-320	54	53	54	54	56	54
5	FSCH-119	53	51	53	55	55	53
6	NUZI 205	53	54	55	52	56	54
7	NUZI 260	54	55	55	54	55	55
8	SUGAR SWEET	54	55	57	54	55	55
9	TOP SWEET	54	54	54	53	56	54
10	Misthi (C)	55	55	55	55	54	55
11	VL SWEET CORN (C)	47	47	51	52	53	50
	Location Mean	53	53	55	54	55	54
	CV (%)	2.0	3.6	1.6	5.8	2.8	3.4
	F (Prob)	0.0	0.0	0.0	0.7	0.2	0.0
	CD (5%)	1.8	3.3	1.5	5.3	2.6	1.4
	CD (1%)	2.4	4.4	2.0	7.2	3.6	1.8

Table No. 29 (Contd.) **Days to 50% Pollen shed**

S. No.	Entry	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhub_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	55	56	52	47	55	49	48	52	54	49	54	57	53
2	BSCH 416078	53	55	50	47	54	47	47	50	49	47	52	55	51
3	BSCH 416086	51	55	49	48	54	46	46	50	49	46	52	53	50
4	DSCH-320	56	56	51	49	55	47	47	52	53	48	53	53	52
5	FSCH-119	49	51	48	46	54	46	44	48	49	45	52	53	50
6	NUZI 205	53	55	50	47	53	47	48	50	49	48	53	53	51
7	NUZI 260	54	55	50	49	54	47	47	51	48	46	53	53	50
8	SUGAR SWEET	53	52	50	46	53	46	46	50	52	47	50	55	51
9	TOP SWEET	55	56	51	48	55	48	48	52	53	48	52	55	52
10	Misthi (C)	55	53	51	48	53	47	46	50	50	48	54	55	52
11	VL SWEET CORN (C)	48	50	47	46	52	46	42	47	48	45	49	51	48
	Location Mean	53	54	50	47	54	47	46	50	50	47	52	54	51
	CV (%)	2.2	3.0	2.1	3.1	2.2	2.3	2.0	2.5	2.7	3.9	2.9	2.5	3.0
	F (Prob)	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	CD (5%)	1.9	2.7	1.8	2.5	2.0	1.9	1.5	0.8	2.3	3.1	2.5	2.2	1.2
	CD (1%)	2.7	3.7	2.5	3.4	2.7	2.6	2.1	1.0	3.2	4.3	3.5	3.1	1.6

Table No. 29 (Contd.) **Days to 50% Pollen shed**

S. No.	Entry	PZ									Z_PZ	All India
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN		
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	56	64	59	59	64	56	56	59	49	58	55
2	BSCH 416078	56	62	58	59	65	54	56	55	47	57	54
3	BSCH 416086	52	59	56	56	65	52	54	54	45	55	52
4	DSCH-320	56	59	59	59	66	54	55	56	48	57	54
5	FSCH-119	54	57	52	54	64	51	52	52	46	53	51
6	NUZI 205	55	59	55	57	66	52	53	54	47	55	53
7	NUZI 260	53	59	57	57	65	53	54	54	47	56	53
8	SUGAR SWEET	56	61	57	58	64	54	54	57	48	56	53
9	TOP SWEET	56	59	59	60	65	54	55	56	49	57	54
10	Misthi (C)	55	59	58	59	65	53	55	55	49	56	54
11	VL SWEET CORN (C)	49	56	51	52	55	49	48	51	43	50	49
	Location Mean	54	59	56	57	64	53	54	55	47	56	53
	CV (%)	1.6	2.0	1.8	1.7	3.2	1.3	2.0	3.5	2.5	2.3	2.7
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.5	2.0	1.8	1.6	3.4	1.2	1.9	3.3	2.0	0.7	0.5
	CD (1%)	2.1	2.7	2.4	2.2	4.7	1.6	2.5	4.4	2.8	0.9	0.6

Table No. 29 (Contd.) **Days to 50% Silking**

S. No.	Entry	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	59	58	59	60	58	59
2	BSCH 416078	58	57	58	55	57	57
3	BSCH 416086	56	55	55	59	56	56
4	DSCH-320	57	56	55	56	58	57
5	FSCH-119	55	54	54	57	56	55
6	NUZI 205	56	57	55	55	58	56
7	NUZI 260	57	58	55	56	56	57
8	SUGAR SWEET	56	58	59	56	56	57
9	TOP SWEET	56	57	55	56	58	57
10	Misthi (C)	57	58	57	57	56	57
11	VL SWEET CORN (C)	50	50	53	54	55	52
	Location Mean	56	56	56	57	57	56
	CV (%)	1.9	3.4	1.7	6.0	2.4	3.5
	F (Prob)	0.0	0.0	0.0	0.7	0.1	0.0
	CD (5%)	1.8	3.2	1.6	5.8	2.4	1.4
	CD (1%)	2.5	4.4	2.2	7.9	3.2	1.9

Table No. 29 (Contd.) **Days to 50% Silking**

S. No.	Entry	NEPZ								NWPZ				
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	57	58	55	50	58	53	53	55	56	50	55	60	55
2	BSCH 416078	55	57	52	50	56	52	51	53	51	49	54	57	53
3	BSCH 416086	52	57	51	51	56	51	50	52	51	48	54	56	52
4	DSCH-320	57	58	53	52	57	51	52	54	55	50	55	56	54
5	FSCH-119	52	53	51	49	57	51	48	52	51	46	54	56	52
6	NUZI 205	55	57	53	50	56	51	52	53	51	49	55	56	53
7	NUZI 260	55	57	52	51	57	51	51	53	51	48	55	55	52
8	SUGAR SWEET	55	54	52	50	56	51	51	53	54	49	53	57	53
9	TOP SWEET	57	58	53	51	58	53	52	55	55	50	54	58	54
10	Misthi (C)	57	55	53	51	56	51	51	53	53	50	56	58	54
11	VL SWEET CORN (C)	52	52	50	49	54	49	46	50	50	47	51	53	50
	Location Mean	55	56	52	50	57	51	51	53	53	49	54	57	53
	CV (%)	3.2	2.8	2.1	2.5	2.6	1.6	2.0	2.5	2.7	3.9	2.3	2.5	2.9
	F (Prob)	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	CD (5%)	3.0	2.7	1.9	2.2	2.5	1.4	1.7	0.8	2.4	3.2	2.1	2.4	1.2
	CD (1%)	4.0	3.7	2.6	2.9	3.4	1.9	2.3	1.1	3.3	4.4	2.9	3.3	1.6

Table No. 29 (Contd.)

S. No.	Entry	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	60	65	61	61	67	58	58	61	52	60	58
2	BSCH 416078	59	63	61	61	65	55	58	56	50	59	56
3	BSCH 416086	56	60	58	58	67	53	56	55	49	57	55
4	DSCH-320	59	60	61	61	68	56	57	57	51	59	56
5	FSCH-119	57	58	54	56	66	53	54	53	49	56	54
6	NUZI 205	58	60	57	59	68	53	55	55	50	57	55
7	NUZI 260	56	60	59	59	67	55	56	55	50	58	55
8	SUGAR SWEET	59	63	59	60	66	56	56	58	51	58	56
9	TOP SWEET	59	60	62	62	67	55	57	58	52	59	57
10	Misthi (C)	58	62	60	61	67	54	57	56	52	59	56
11	VL SWEET CORN (C)	53	58	53	54	57	53	50	52	47	53	52
	Location Mean	58	61	59	59	66	55	56	56	50	58	55
	CV (%)	2.0	2.1	1.9	1.7	3.6	2.5	2.0	3.3	2.2	2.5	2.8
	F (Prob)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	2.0	2.2	1.9	1.7	4.0	2.4	1.9	3.2	1.9	0.8	0.5
	CD (1%)	2.7	3.0	2.6	2.3	5.5	3.2	2.5	4.3	2.6	1.0	0.7

Table No. 29 (Contd.) **Ear Height (cm)**

S. No.	Entry	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	67	72	55	47	65	61
2	BSCH 416078	68	70	53	42	55	58
3	BSCH 416086	73	75	59	51	62	64
4	DSCH-320	68	80	50	39	50	58
5	FSCH-119	71	75	51	56	68	64
6	NUZI 205	78	78	54	48	63	64
7	NUZI 260	78	73	62	65	70	70
8	SUGAR SWEET	80	78	65	47	70	68
9	TOP SWEET	77	73	50	43	65	62
10	Misthi (C)	77	70	68	51	72	68
11	VL SWEET CORN (C)	72	75	47	35	67	59
	Location Mean	74	75	56	48	64	63
	CV (%)	5.2	9.4	10.5	16.2	15.4	11.3
	F (Prob)	0.0	0.7	0.0	0.0	0.3	0.0
	CD (5%)	6.6	11.9	10.0	13.2	16.8	5.2
	CD (1%)	9.0	16.3	13.6	18.0	23.0	6.9

Table No. 29 (Contd.) **Ear Height (cm)**

S. No.	Entry	NEPZ								NWPZ					
		BHU_UP	Baharaich_UP	Bhubnesh_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabo_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	67	48	50	74	85	68	70	66	103	86	85	92	94	68
2	BSCH 416078	74	49	56	65	75	69	68	65	86	96	58	86	89	66
3	BSCH 416086	89	60	61	79	92	76	81	77	97	104	70	95	99	69
4	DSCH-320	74	42	53	68	80	57	78	65	94	105	60	89	96	60
5	FSCH-119	87	59	57	82	81	79	69	73	92	94	67	88	92	65
6	NUZI 205	88	48	54	89	85	72	77	73	105	95	73	106	102	64
7	NUZI 260	89	58	56	88	101	81	94	81	110	98	78	119	109	70
8	SUGAR SWEET	91	56	57	89	95	70	81	77	100	99	68	101	100	76
9	TOP SWEET	89	49	53	76	84	71	79	72	98	110	65	103	104	67
10	Misthi (C)	88	63	53	93	96	76	86	79	111	104	80	96	104	64
11	VL SWEET CORN (C)	79	46	57	66	75	64	66	65	72	92	62	81	82	67
	Location Mean	83	53	55	79	86	71	77	72	97	99	70	96	97	67
	CV (%)	9.0	16.3	7.6	9.6	6.1	13.2	9.1	10.1	2.7	12.3	23.3	6.8	8.3	6.1
	F (Prob)	0.0	0.1	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.6	0.0	0.0	0.0
	CD (5%)	12.7	14.6	7.2	12.9	8.9	16.0	12.0	4.4	4.4	20.7	27.6	11.1	7.6	7.0
	CD (1%)	17.3	19.9	9.8	17.5	12.2	21.9	16.4	5.9	6.1	28.2	37.7	15.1	10.2	9.5

Table No. 29 (Contd.) **Ear Height (cm)**

S. No.	Entry	PZ									All India
		Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	51	42	43	53	74	36	106	55	62	67
2	BSCH 416078	67	43	43	55	68	48	105	54	63	66
3	BSCH 416086	72	52	56	50	68	64	116	61	68	74
4	DSCH-320	51	39	46	47	68	54	107	44	58	65
5	FSCH-119	69	48	43	53	72	58	104	54	63	70
6	NUZI 205	61	50	44	62	69	69	114	58	65	72
7	NUZI 260	64	55	52	55	74	78	125	58	69	78
8	SUGAR SWEET	80	54	56	62	74	68	125	58	73	77
9	TOP SWEET	64	46	46	47	71	58	118	56	64	71
10	Misthi (C)	65	47	55	56	68	66	120	60	67	76
11	VL SWEET CORN (C)	55	37	38	58	76	49	105	50	61	64
	Location Mean	63	47	48	54	71	59	113	55	65	71
	CV (%)	9.7	10.9	9.8	16.4	12.3	20.5	6.5	7.9	9.9	10.0
	F (Prob)	0.0	0.0	0.0	0.5	0.9	0.0	0.0	0.0	0.0	0.0
	CD (5%)	10.5	8.7	7.9	15.1	14.9	20.6	12.5	7.5	3.7	2.4
	CD (1%)	14.3	11.8	10.8	20.7	20.3	28.1	17.0	10.2	4.8	3.1

Table No. 29 (Contd.) **Ears (number)**

S. No.	Entry	CWZ					NEPZ						
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ	BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	48	49	29	43	42	33	65	77	37	51	62	54
2	BSCH 416078	68	48	58	60	59	58	65	77	54	58	64	63
3	BSCH 416086	72	47	64	51	59	51	63	75	52	58	70	62
4	DSCH-320	65	49	44	52	52	44	62	75	52	53	62	58
5	FSCH-119	54	49	59	72	58	57	62	75	46	68	62	62
6	NUZI 205	81	48	57	60	62	52	64	76	44	53	59	58
7	NUZI 260	74	47	50	56	57	54	64	79	52	58	58	61
8	SUGAR SWEET	78	49	65	57	63	61	63	77	62	56	62	64
9	TOP SWEET	79	48	50	61	59	65	64	76	61	59	63	65
10	Misthi (C)	74	49	70	67	65	59	65	77	50	60	66	63
11	VL SWEET CORN (C)	75	50	60	74	65	66	63	77	58	61	62	65
	Location Mean	70	49	55	59	58	55	64	77	52	58	63	61
	CV (%)	7.4	3.1	13.6	17.0	11.6	9.4	2.3	2.3	12.5	11.7	10.9	8.6
	F (Prob)	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.2	0.7	0.0
	CD (5%)	8.8	2.6	12.7	17.2	5.5	8.8	2.5	3.0	11.1	11.5	11.7	3.5
	CD (1%)	12.0	3.5	17.4	23.4	7.3	12.0	3.4	4.1	15.1	15.7	15.9	4.6

Table No. 29 (Contd.) **Ears (number)**

S. No.	Entry	NWPZ					PZ										All India
		IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coimb_TN	Dhar_KR	Hyd_AP	Karimnagar_AP	Kolh_MH	Mand_KR	Peddapuram_AP	Rahu_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	32	90	54	55	58	59	39	28	41	21	42	66	66	18	47	50
2	BSCH 416078	40	95	58	70	66	60	53	57	62	30	64	67	76	59	63	63
3	BSCH 416086	46	99	62	72	70	60	58	64	60	36	64	68	71	51	62	63
4	DSCH-320	41	99	56	61	64	60	44	39	36	30	50	64	67	40	51	56
5	FSCH-119	47	93	57	73	68	60	53	59	60	22	61	69	72	46	60	62
6	NUZI 205	49	90	63	77	70	60	56	53	56	23	56	66	74	42	58	61
7	NUZI 260	50	96	60	71	69	62	48	45	51	29	56	65	75	41	57	60
8	SUGAR SWEET	52	86	60	70	67	63	56	60	65	39	73	73	84	54	67	65
9	TOP SWEET	52	101	70	70	73	61	57	56	60	30	65	72	71	57	63	65
10	Misthi (C)	49	92	59	68	67	61	56	52	56	31	62	69	85	56	64	64
11	VL SWEET CORN (C)	53	94	65	81	74	62	58	70	60	35	60	79	82	63	66	67
	Location Mean	46	94	60	70	68	61	53	53	55	30	59	69	75	48	60	61
	CV (%)	9.0	8.3	9.3	7.2	8.6	3.3	11.2	20.2	12.3	41.5	12.5	5.7	9.5	10.9	9.5	9.5
	F (Prob)	0.0	0.4	0.1	0.0	0.0	0.5	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	7.1	13.3	9.6	8.5	4.7	3.4	10.0	18.3	11.6	20.9	12.7	6.7	12.1	8.9	3.5	2.1
	CD (1%)	9.7	18.1	13.1	11.6	6.3	4.6	13.7	25.0	15.8	28.5	17.3	9.1	16.5	12.1	4.6	2.7

Table No. 29 (Contd.) **Initial Plant Stand (Number/Plot)**

S. No.	Entry	CWZ			NEPZ						
		Banswara_RJ	Godhara_GJ	Z_CWZ	BHU_UP	Baharaich_UP	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_BH	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	53	48	51	35	63	79	46	65	67	59
2	BSCH 416078	52	65	59	63	65	78	68	73	67	69
3	BSCH 416086	51	62	57	53	63	79	63	80	73	69
4	DSCH-320	53	46	49	46	62	79	62	75	66	65
5	FSCH-119	55	75	65	62	62	78	56	78	65	67
6	NUZI 205	51	74	63	55	64	79	52	75	61	64
7	NUZI 260	53	59	56	57	65	79	60	72	61	66
8	SUGAR SWEET	55	80	67	62	63	79	69	74	64	69
9	TOP SWEET	52	71	62	68	46	79	65	75	67	67
10	Misthi (C)	54	72	63	60	64	80	62	76	68	68
11	VL SWEET CORN (C)	55	71	63	66	63	78	76	75	65	71
	Location Mean	53	66	59	57	62	79	62	74	66	67
	CV (%)	3.6	14.5	11.6	9.7	16.9	1.5	10.3	6.3	10.8	9.8
	F (Prob)	0.2	0.0	0.0	0.0	0.6	0.6	0.0	0.1	0.7	0.0
	CD (5%)	3.3	16.2	8.0	9.5	17.8	2.0	10.9	7.9	12.1	4.3
	CD (1%)	4.4	22.1	10.7	12.9	24.3	2.7	14.9	10.8	16.5	5.7

Table No. 29 (Contd.) **Initial Plant Stand (Number/Plot)**

S. No.	Entry	NWPZ				PZ										All India
		IARI_ND	Karnal_HR	Pant_UK	Z_NWPZ	Coimb_TN	Dhar_KR	Hyd_AP	Karimnagar_AP	Kolh_MH	Mandya_KR	Peddap_AP	Rahuri_MH	Vagarai_TN	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	39	80	57	59	61	46	30	46	69	40	68	69	19	50	54
2	BSCH 416078	49	79	78	69	61	67	60	68	71	67	74	76	64	67	67
3	BSCH 416086	49	80	75	68	63	70	67	67	73	65	71	72	57	67	67
4	DSCH-320	43	79	62	62	63	58	42	40	69	56	67	66	43	56	59
5	FSCH-119	48	79	75	67	61	56	61	64	71	62	72	71	49	63	65
6	NUZI 205	51	79	76	69	60	62	54	59	69	57	71	81	45	62	64
7	NUZI 260	50	79	74	68	63	56	46	57	68	57	67	75	43	59	62
8	SUGAR SWEET	52	79	76	69	63	67	64	71	72	75	77	80	59	70	69
9	TOP SWEET	53	79	77	70	61	70	59	71	69	67	77	76	63	68	67
10	Misthi (C)	53	79	72	68	63	66	54	61	69	64	74	73	58	65	66
11	VL SWEET CORN (C)	53	79	79	70	63	76	72	65	71	62	80	80	64	70	70
	Location Mean	49	79	73	67	62	63	55	61	70	61	72	75	51	63	65
	CV (%)	8.6	1.2	6.2	5.4	3.1	13.5	19.1	10.0	5.7	10.9	5.5	6.8	9.7	9.9	9.4
	F (Prob)	0.0	0.9	0.0	0.0	0.6	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	7.2	1.6	7.7	3.4	3.2	14.5	18.1	10.3	6.8	11.4	6.7	8.7	8.4	3.4	2.2
	CD (1%)	9.8	2.2	10.5	4.5	4.4	19.8	24.6	14.1	9.3	15.5	9.2	11.8	11.5	4.4	2.9

Table No. 29 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	CWZ						NEPZ						
		Ambika_CG	Bans_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ	BHU_UP	Baharaich_UP	Bhub_OD	Dholi_BH	Nadia_WB	Sabour_Bihar	Z_NEPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	50	51	42	51	52	49	35	63	74	78	42	62	59
2	BSCH 416078	70	50	67	71	51	62	63	64	75	75	66	64	68
3	BSCH 416086	73	49	71	64	57	63	53	63	76	76	59	70	66
4	DSCH-320	66	50	52	47	47	53	46	62	76	76	57	62	63
5	FSCH-119	56	53	67	79	49	61	62	62	77	75	51	61	65
6	NUZI 205	83	49	66	77	49	65	55	64	76	78	49	57	63
7	NUZI 260	76	50	65	61	59	62	57	64	74	78	58	56	65
8	SUGAR SWEET	80	51	76	84	52	69	62	62	76	77	66	61	67
9	TOP SWEET	81	50	77	73	51	67	68	64	76	77	61	63	68
10	Misthi (C)	77	51	76	73	53	66	60	63	77	77	58	66	67
11	VL SWEET CORN (C)	76	52	74	73	62	68	66	63	80	76	69	60	69
	Location Mean	72	51	67	68	53	62	57	63	76	77	58	62	65
	CV (%)	7.2	3.6	12.1	14.2	12.6	11.0	9.7	2.6	3.1	2.4	10.4	10.9	6.8
	F (Prob)	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.6	0.4	0.6	0.0	0.5	0.0
	CD (5%)	8.8	3.1	13.7	16.6	11.3	5.0	9.5	2.8	4.1	3.2	10.2	11.5	3.0
	CD (1%)	12.0	4.2	18.7	22.6	15.4	6.6	12.9	3.8	5.5	4.3	13.9	15.7	3.9

Table No. 29 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	NWPZ					PZ										
		IARI_ND	Karnal_HR	Ludh_PB	Pant_UK	Z_NWPZ	Coim_TN	Dhar_KR	Hyd_AP	Karim_AP	Kolh_MH	Mand_KR	Pedd_AP	Rahu_MH	Vaga_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	39	76	52	55	56	60	39	29	42	68	40	66	66	18	48	52
2	BSCH 416078	49	76	64	70	65	59	53	58	62	70	66	68	75	59	63	64
3	BSCH 416086	49	78	68	72	67	61	56	65	62	72	64	68	71	51	63	65
4	DSCH-320	43	75	56	61	59	61	44	39	36	68	51	64	64	40	52	56
5	FSCH-119	48	77	59	72	64	60	53	59	62	70	61	69	69	46	61	62
6	NUZI 205	51	75	66	75	67	59	55	53	56	69	56	66	77	42	59	63
7	NUZI 260	50	76	62	71	65	61	48	45	52	67	56	64	72	41	56	61
8	SUGAR SWEET	52	77	62	68	65	62	55	61	67	71	73	74	79	54	66	67
9	TOP SWEET	53	77	72	70	68	60	55	57	65	69	66	75	73	57	64	66
10	Misthi (C)	53	77	63	68	65	61	56	52	57	68	62	70	72	56	62	64
11	VL SWEET CORN (C)	53	76	72	78	70	62	57	70	61	71	60	79	78	63	67	68
	Location Mean	49	76	63	69	64	61	52	53	56	69	60	69	72	48	60	63
	CV (%)	8.6	1.4	10.8	6.9	7.3	3.2	10.5	19.8	10.5	5.2	11.8	6.4	5.8	10.9	9.7	9.0
	F (Prob)	0.0	0.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	7.2	1.8	11.6	8.2	3.8	3.3	9.3	18.0	10.1	6.1	11.9	7.6	7.2	8.9	3.1	1.8
	CD (1%)	9.8	2.5	15.8	11.1	5.1	4.5	12.7	24.6	13.8	8.3	16.3	10.3	9.8	12.1	4.1	2.4

Table No. 29 (Contd.) **Plant Height (cm)**

S. No.	Entry	CWZ					
		Ambikapur_CG	Banswara_RJ	Chindwara_MP	Godhara_GJ	Udai_RJ	Z_CWZ
		Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	208	167	147	127	148	159
2	BSCH 416078	201	170	145	142	147	161
3	BSCH 416086	214	172	151	150	157	169
4	DSCH-320	205	175	142	136	127	157
5	FSCH-119	219	180	142	153	162	171
6	NUZI 205	225	177	145	149	153	170
7	NUZI 260	235	178	154	164	180	182
8	SUGAR SWEET	239	180	161	145	172	179
9	TOP SWEET	234	170	148	141	157	170
10	Misthi (C)	236	170	159	149	165	176
11	VL SWEET CORN (C)	220	173	141	119	155	162
	Location Mean	221	174	149	143	157	169
	CV (%)	4.2	3.6	5.6	8.7	10.1	6.5
	F (Prob)	0.0	0.2	0.1	0.0	0.1	0.0
	CD (5%)	15.8	10.5	14.1	21.2	26.9	7.9
	CD (1%)	21.6	14.4	19.2	28.9	36.7	10.5

Table No. 29 (Contd.) **Plant Height (cm)**

S. No.	Entry	NEPZ								NWPZ				
		BHU_UP	Bahar_UP	Bhub_OD	Dholi_BH	Nadia_WB	Ranchi_JH	Sabo_BH	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Pantnagar_UK	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	152	146	129	152	2	171	162	130	201	178	172	222	193
2	BSCH 416078	143	162	134	136	2	179	160	131	187	191	142	227	187
3	BSCH 416086	165	170	145	162	2	182	169	142	193	206	155	233	197
4	DSCH-320	149	143	140	156	2	172	168	133	189	197	153	223	191
5	FSCH-119	168	164	140	169	2	176	170	141	195	194	157	229	194
6	NUZI 205	171	148	141	173	2	177	175	141	206	187	170	248	202
7	NUZI 260	186	169	133	189	2	197	195	153	214	196	185	268	216
8	SUGAR SWEET	170	154	138	170	2	184	185	143	197	192	177	250	204
9	TOP SWEET	180	151	135	164	2	194	181	144	214	210	175	255	213
10	Misthi (C)	165	158	136	168	2	182	176	141	199	202	162	233	199
11	VL SWEET CORN (C)	154	153	138	145	2	176	162	133	182	188	160	211	185
	Location Mean	164	156	137	162	2	181	173	139	198	195	164	236	198
	CV (%)	4.5	6.6	5.3	6.7	5.7	9.9	4.2	7.2	1.5	8.2	9.0	4.1	6.1
	F (Prob)	0.0	0.0	0.4	0.0	0.1	0.8	0.0	0.0	0.0	0.5	0.1	0.0	0.0
	CD (5%)	12.7	17.4	12.3	18.5	0.2	30.5	12.4	6.1	5.0	27.3	25.1	16.6	9.8
	CD (1%)	17.3	23.8	16.7	25.3	0.3	41.6	16.9	8.1	6.8	37.3	34.2	22.6	12.9

Table No. 29 (Contd.) **Plant Height (cm)**

S. No.	Entry	PZ										
		Coimb_TN	Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Vagarai_TN	Z_PZ	All India
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	150	149	154	122	120	176	159	195	118	149	153
2	BSCH 416078	146	170	161	121	122	167	167	198	120	152	154
3	BSCH 416086	141	168	160	121	137	172	174	202	125	156	161
4	DSCH-320	137	157	141	114	115	170	156	189	99	142	150
5	FSCH-119	142	169	158	113	130	177	179	192	129	154	160
6	NUZI 205	144	156	150	116	138	178	171	204	124	153	161
7	NUZI 260	148	173	164	130	133	175	179	217	145	163	172
8	SUGAR SWEET	153	184	168	136	140	185	182	221	116	165	168
9	TOP SWEET	148	179	161	125	130	177	182	210	115	159	165
10	Misthi (C)	146	163	152	129	137	171	187	208	128	158	163
11	VL SWEET CORN (C)	146	159	139	117	142	180	177	191	113	152	154
	Location Mean	145	166	155	122	131	175	174	203	121	155	160
	CV (%)	4.9	5.2	4.8	7.8	12.3	7.3	6.8	4.6	9.8	7.0	6.8
	F (Prob)	0.4	0.0	0.0	0.1	0.6	0.9	0.1	0.0	0.0	0.0	0.0
	CD (5%)	12.2	14.8	12.6	16.3	27.6	21.8	20.1	15.9	20.2	5.8	3.5
	CD (1%)	16.7	20.2	17.2	22.2	37.6	29.7	27.4	21.7	27.6	7.7	4.6

Table No. 29 (Contd.) **Total Soluble Solids (%)**

S. No.	Entry	CWZ		NEPZ					NWPZ			
		Godhara_GJ	Z_CWZ	Dholi_BH	Nadia_WB	Ranchi_JH	Sabour_Bihar	Z_NEPZ	IARI_ND	Karnal_HR	Ludhiana_PB	Z_NWPZ
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	12	12	11	12	15	20	14	15	19	17	17
2	BSCH 416078	14	14	11	13	15	16	14	16	16	16	16
3	BSCH 416086	13	13	11	14	15	18	14	17	16	20	18
4	DSCH-320	14	14	12	12	16	18	14	16	16	18	17
5	FSCH-119	14	14	11	15	14	21	15	15	16	16	16
6	NUZI 205	12	12	11	14	15	20	15	18	17	18	18
7	NUZI 260	14	14	13	14	16	19	16	17	18	19	18
8	SUGAR SWEET	12	12	11	12	14	19	14	15	18	18	17
9	TOP SWEET	11	11	11	12	16	19	15	17	19	17	18
10	Misthi (C)	14	14	13	14	16	20	16	15	18	18	17
11	VL SWEET CORN (C)	10	10	12	13	15	19	15	17	16	19	17
	Location Mean	13	13	11	13	15	19	15	16	17	18	17
	CV (%)	7.5	7.5	10.7	8.3	5.6	6.2	7.2	4.9	6.3	3.6	5.0
	F (Prob)	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CD (5%)	1.6	1.6	2.1	1.9	1.4	2.0	0.9	1.4	1.9	1.1	0.8
	CD (1%)	2.2	2.2	2.9	2.5	2.0	2.7	1.1	1.8	2.5	1.5	1.1

Table No. 29 (Contd.) **Total Soluble Solids (%)**

S. No.	Entry	PZ								All India
		Dharwar_KR	Hyderabad_AP	Karimnagar_AP	Kolhapur_MH	Mandya_KR	Peddapuram_AP	Rahuri_MH	Z_PZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	BIO 4043	14	16	13	16	13	11	14	14	14
2	BSCH 416078	14	16	14	16	14	11	16	14	15
3	BSCH 416086	16	16	14	18	16	12	16	15	15
4	DSCH-320	14	16	14	16	15	11	16	14	15
5	FSCH-119	16	15	14	17	17	12	17	15	15
6	NUZI 205	17	18	14	16	15	11	15	15	15
7	NUZI 260	15	15	13	17	16	12	15	15	16
8	SUGAR SWEET	13	16	14	16	16	11	15	14	15
9	TOP SWEET	14	15	14	17	14	11	16	14	15
10	Misthi (C)	15	17	13	16	17	12	17	15	16
11	VL SWEET CORN (C)	14	15	13	16	15	11	16	14	15
	Location Mean	15	16	14	16	15	11	16	15	15
	CV (%)	3.5	6.2	5.4	7.1	9.3	8.8	7.2	7.0	6.7
	F (Prob)	0.0	0.1	0.4	0.5	0.1	0.3	0.2	0.0	0.0
	CD (5%)	0.9	1.7	1.3	2.0	2.4	1.7	1.9	0.6	0.4
	CD (1%)	1.2	2.3	1.7	2.7	3.3	2.3	2.6	0.8	0.6

Table No. 30: Trial No. 527 (Medium Maturity) Zone 4 **Yield kg/ha**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADH 1608	5518	8	8934	5	7295	13	7249	8
2	ADH 8070	4723	14	9269	1	8401	5	7464	6
3	ADH1620	5648	5	8693	8	7764	8	7368	7
4	AH 8178	5651	3	9040	3	7863	7	7518	5
5	CAH1511	4992	13	8906	6	6567	15	6822	15
6	OMH 17-47	5600	7	9196	2	6809	14	7202	10
7	RCRMH7(ZH138388)	5602	6	8117	13	9089	4	7603	4
8	RCRMH9(CAH1713)	5186	11	7678	15	10005	1	7623	3
9	VaMH 15028	5092	12	9030	4	7467	9	7196	11
10	VaMH 15036	6168	2	7982	14	7326	12	7159	12
11	VaMH 16008	4721	15	8284	12	8024	6	7010	14
12	ZH161032	5651	4	8621	9	7414	10	7229	9
13	BIO 9544 (C)	5509	9	8297	11	9718	2	7841	2
14	CMH 08-292 (C)	6346	1	8855	7	9448	3	8216	1
15	DHM-121 (C)	5505	10	8297	10	7396	11	7066	13
	Location Mean	5461	.	8613	.	8039	.	7371	.
	CV (%)	14.6	.	8.9	.	15.2	.	12.9	.
	F (Prob)	0.5	.	0.4	.	0.0	.	0.3	.
	CD (5%)	1328.6	.	1280.1	.	2042.0	.	890.6	.
	CD (1%)	1792.2	.	1726.8	.	2754.6	.	1180.3	.

Table No. 30: (Cond.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	0.17	7	7.68	5	-24.93	12	-7.55	8
2	ADH 8070	-14.26	13	11.71	1	-13.56	5	-4.81	6
3	ADH1620	2.53	4	4.78	8	-20.11	8	-6.03	7
4	AH 8178	2.59	3	8.95	3	-19.09	7	-4.12	5
5	CAH1511	-9.37	12	7.34	6	-32.43	14	-13	14
6	OMH 17-47	1.66	6	10.84	2	-29.94	13	-8.16	9
7	RCRMH7(ZH138388)	1.7	5	-2.17	12	-6.48	4	-3.04	4
8	RCRMH9(CAH1713)	-5.86	10	-7.45	14	2.95	1	-2.78	3
9	VaMH 15028	-7.57	11	8.84	4	-23.16	9	-8.22	10
10	VaMH 15036	11.97	2	-3.79	13	-24.62	11	-8.7	11
11	VaMH 16008	-14.3	14	-0.16	11	-17.43	6	-10.6	13
12	BIO 9544 (C)	0	8	0	10	0	2	0	2
13	CMH 08-292 (C)	15.2	1	6.73	7	-2.78	3	4.78	1
14	DHM-121 (C)	-0.06	9	0	9	-23.89	10	-9.89	12

Table No. 30: (Cond.) **Gain in Yield(%) over CMH 08-292 (C)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	-13.05	7	0.89	5	-22.78	12	-11.77	8
2	ADH 8070	-25.58	13	4.67	1	-11.08	5	-9.15	6
3	ADH1620	-11	4	-1.83	8	-17.82	8	-10.32	7
4	AH 8178	-10.95	3	2.09	3	-16.77	7	-8.5	5
5	CAH1511	-21.33	12	0.57	6	-30.49	14	-16.97	14
6	OMH 17-47	-11.75	6	3.85	2	-27.93	13	-12.35	9
7	RCRMH7(ZH138388)	-11.73	5	-8.33	12	-3.8	4	-7.47	4
8	RCRMH9(CAH1713)	-18.28	10	-13.29	14	5.9	1	-7.22	3
9	VaMH 15028	-19.77	11	1.98	4	-20.96	9	-12.41	10
10	VaMH 15036	-2.8	2	-9.85	13	-22.46	11	-12.87	11
11	VaMH 16008	-25.61	14	-6.45	11	-15.06	6	-14.68	13
12	BIO 9544 (C)	-13.2	8	-6.3	10	2.86	2	-4.56	2
13	CMH 08-292 (C)	0	1	0	7	0	3	0	1
14	DHM-121 (C)	-13.25	9	-6.3	9	-21.71	10	-14	12

Table No. 30: (Cond.) **Gain in Yield(%) over DHM-121 (C)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	0.24	7	7.68	5	-1.36	12	2.59	8
2	ADH 8070	-14.21	13	11.71	1	13.58	5	5.63	6
3	ADH1620	2.59	4	4.78	8	4.97	8	4.28	7
4	AH 8178	2.66	3	8.95	3	6.32	7	6.4	5
5	CAH1511	-9.31	12	7.34	6	-11.21	14	-3.46	14
6	OMH 17-47	1.73	6	10.84	2	-7.94	13	1.92	9
7	RCRMH7(ZH138388)	1.76	5	-2.17	12	22.88	4	7.59	4
8	RCRMH9(CAH1713)	-5.8	10	-7.46	14	35.27	1	7.88	3
9	VaMH 15028	-7.51	11	8.83	4	0.96	9	1.84	10
10	VaMH 15036	12.05	2	-3.79	13	-0.95	11	1.31	11
11	VaMH 16008	-14.24	14	-0.16	11	8.49	6	-0.8	13
12	BIO 9544 (C)	0.06	8	0	10	31.4	2	10.97	2
13	CMH 08-292 (C)	15.28	1	6.72	7	27.74	3	16.28	1
14	DHM-121 (C)	0	9	0	9	0	10	0	12

Table No. 30: (Cond.) **Moisture (%)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	15.7	16.0	14.5	15.4
2	ADH 8070	15.3	16.4	17.8	16.5
3	ADH1620	15.5	14.7	17.5	15.9
4	AH 8178	15.1	15.7	14.0	14.9
5	CAH1511	16.2	16.9	14.5	15.9
6	OMH 17-47	15.8	17.0	14.7	15.8
7	RCRMH7(ZH138388)	16.4	16.5	12.5	15.1
8	RCRMH9(CAH1713)	15.1	16.2	12.5	14.6
9	VaMH 15028	16.1	15.5	13.1	14.9
10	VaMH 15036	14.8	17.4	14.4	15.5
11	VaMH 16008	16.3	16.9	12.4	15.2
12	ZH161032	16.3	17.1	15.3	16.2
13	BIO 9544 (C)	16.4	18.8	15.0	16.7
14	CMH 08-292 (C)	14.7	18.1	16.6	16.5
15	DHM-121 (C)	16.0	16.8	15.5	16.1
	Location Mean	15.7	16.7	14.7	15.7
	CV (%)	6.5	4.4	8.4	6.5
	F (Prob)	0.5	0.0	0.0	0.0
	CD (5%)	1.7	1.2	2.1	1.0
	CD (1%)	2.3	1.6	2.8	1.3

Table No. 30: (Cond.) **Shelling (%)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	73	80	79	77
2	ADH 8070	74	80	77	77
3	ADH1620	76	80	78	78
4	AH 8178	75	80	79	78
5	CAH1511	76	80	79	78
6	OMH 17-47	74	80	79	78
7	RCRMH7(ZH138388)	73	80	80	78
8	RCRMH9(CAH1713)	76	80	81	79
9	VaMH 15028	75	80	80	78
10	VaMH 15036	85	80	79	81
11	VaMH 16008	72	80	80	77
12	ZH161032	71	80	79	77
13	BIO 9544 (C)	76	80	80	78
14	CMH 08-292 (C)	75	80	81	79
15	DHM-121 (C)	77	80	78	79
	Location Mean	75	80	79	78
	CV (%)	0.0	0.0	0.9	0.5
	F (Prob)	0.0	.	0.0	0.0
	CD (5%)	0.0	0.0	1.2	0.4
	CD (1%)	0.0	0.0	1.7	0.5

Table No. 30: (Cond.) **Days to 50% Pollen Shed**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	59	58	52	56
2	ADH 8070	60	54	50	55
3	ADH1620	58	54	50	54
4	AH 8178	59	54	48	54
5	CAH1511	58	54	52	55
6	OMH 17-47	59	56	48	54
7	RCRMH7(ZH138388)	58	57	50	55
8	RCRMH9(CAH1713)	59	55	50	55
9	VaMH 15028	59	53	47	53
10	VaMH 15036	58	54	50	54
11	VaMH 16008	58	56	50	55
12	ZH161032	59	55	51	55
13	BIO 9544 (C)	59	56	50	55
14	CMH 08-292 (C)	58	56	47	54
15	DHM-121 (C)	59	56	50	55
	Location Mean	59	55	50	54
	CV (%)	1.6	2.3	4.4	2.8
	F (Prob)	0.6	0.0	0.2	0.0
	CD (5%)	1.5	2.1	3.6	1.4
	CD (1%)	2.1	2.8	4.9	1.9

Table No. 30: (Cond.) **Days to 50% Silking**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	61	60	55	58
2	ADH 8070	62	56	53	57
3	ADH1620	60	56	53	56
4	AH 8178	61	56	51	56
5	CAH1511	60	56	55	57
6	OMH 17-47	61	58	51	56
7	RCRMH7(ZH138388)	60	59	53	57
8	RCRMH9(CAH1713)	61	57	53	57
9	VaMH 15028	61	55	50	55
10	VaMH 15036	60	56	53	56
11	VaMH 16008	60	58	53	57
12	ZH161032	61	57	53	57
13	BIO 9544 (C)	61	58	53	58
14	CMH 08-292 (C)	60	58	49	56
15	DHM-121 (C)	61	58	52	57
	Location Mean	61	57	53	57
	CV (%)	1.5	2.1	3.9	2.6
	F (Prob)	0.6	0.0	0.1	0.0
	CD (5%)	1.5	2.0	3.5	1.4
	CD (1%)	2.1	2.7	4.7	1.8

Table No. 30: (Cond.) **Days to 75% Dry Husk**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	101	92	94	96
2	ADH 8070	102	90	93	95
3	ADH1620	100	89	92	94
4	AH 8178	101	88	90	93
5	CAH1511	100	90	94	95
6	OMH 17-47	101	91	91	94
7	RCRMH7(ZH138388)	100	88	91	93
8	RCRMH9(CAH1713)	101	89	94	95
9	VaMH 15028	101	89	91	93
10	VaMH 15036	100	89	93	94
11	VaMH 16008	100	91	93	95
12	ZH161032	101	90	93	95
13	BIO 9544 (C)	101	92	93	95
14	CMH 08-292 (C)	100	91	91	94
15	DHM-121 (C)	101	91	92	95
	Location Mean	101	90	92	94
	CV (%)	0.9	2.2	1.8	1.7
	F (Prob)	0.6	0.2	0.1	0.0
	CD (5%)	1.5	3.2	2.8	1.5
	CD (1%)	2.1	4.4	3.8	2.0

Table No. 30: (Cond.) **Ears (Number)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	36	39	37	37
2	ADH 8070	36	39	50	42
3	ADH1620	34	40	50	41
4	AH 8178	31	39	41	37
5	CAH1511	34	40	40	38
6	OMH 17-47	33	37	37	36
7	RCRMH7(ZH138388)	33	35	53	40
8	RCRMH9(CAH1713)	33	39	50	41
9	VaMH 15028	36	39	54	43
10	VaMH 15036	34	38	40	37
11	VaMH 16008	35	40	41	39
12	ZH161032	32	36	36	35
13	BIO 9544 (C)	32	37	51	40
14	CMH 08-292 (C)	34	38	49	40
15	DHM-121 (C)	33	38	40	37
	Location Mean	34	38	45	39
	CV (%)	7.8	5.2	15.1	10.8
	F (Prob)	0.4	0.1	0.0	0.0
	CD (5%)	4.4	3.3	11.2	3.9
	CD (1%)	5.9	4.5	15.1	5.2

Table No. 30: (Cond.) **Initial Plant Stand**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	38	41	38	39
2	ADH 8070	38	41	52	44
3	ADH1620	36	43	53	44
4	AH 8178	33	43	45	40
5	CAH1511	36	42	43	41
6	OMH 17-47	36	40	39	38
7	RCRMH7(ZH138388)	35	38	54	42
8	RCRMH9(CAH1713)	35	43	53	44
9	VaMH 15028	38	41	56	45
10	VaMH 15036	37	40	41	39
11	VaMH 16008	37	41	44	41
12	ZH161032	34	39	37	37
13	BIO 9544 (C)	34	39	59	44
14	CMH 08-292 (C)	37	40	52	43
15	DHM-121 (C)	35	40	42	39
	Location Mean	36	41	47	41
	CV (%)	7.1	3.8	13.1	9.4
	F (Prob)	0.4	0.0	0.0	0.0
	CD (5%)	4.3	2.6	10.4	3.7
	CD (1%)	5.7	3.5	14.0	4.8

Table No. 30: (Cond.) **Final Plant Stand**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	59	69	33	54
2	ADH 8070	60	70	46	58
3	ADH1620	57	72	46	58
4	AH 8178	52	70	39	54
5	CAH1511	57	72	37	55
6	OMH 17-47	56	67	33	52
7	RCRMH7(ZH138388)	55	63	47	55
8	RCRMH9(CAH1713)	54	70	45	57
9	VaMH 15028	59	69	49	59
10	VaMH 15036	57	67	36	53
11	VaMH 16008	58	71	37	55
12	ZH161032	53	65	32	50
13	BIO 9544 (C)	53	66	47	55
14	CMH 08-292 (C)	57	67	45	56
15	DHM-121 (C)	54	68	36	53
	Location Mean	56	68	40	55
	CV (%)	7.8	5.0	14.6	8.4
	F (Prob)	0.4	0.1	0.0	0.0
	CD (5%)	7.3	5.8	9.9	4.3
	CD (1%)	9.8	7.8	13.3	5.7

Table No. 30: (Cond.) **Plant Height (cm)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	197	222	191	203
2	ADH 8070	168	203	197	190
3	ADH1620	152	210	177	180
4	AH 8178	148	205	211	188
5	CAH1511	165	213	191	190
6	OMH 17-47	187	214	199	200
7	RCRMH7(ZH138388)	173	217	193	195
8	RCRMH9(CAH1713)	173	185	192	184
9	VaMH 15028	153	209	182	181
10	VaMH 15036	190	188	178	185
11	VaMH 16008	142	202	194	179
12	ZH161032	185	208	199	197
13	BIO 9544 (C)	175	183	183	180
14	CMH 08-292 (C)	183	229	217	210
15	DHM-121 (C)	148	221	194	188
	Location Mean	169	207	193	190
	CV (%)	15.7	4.0	5.2	9.0
	F (Prob)	0.3	0.0	0.0	0.0
	CD (5%)	44.3	14.0	16.6	16.0
	CD (1%)	59.8	18.9	22.4	21.2

Table No. 30: (Cond.) **Ear Height (cm)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1608	87	105	94	95
2	ADH 8070	77	91	103	90
3	ADH1620	68	94	95	86
4	AH 8178	63	89	108	87
5	CAH1511	68	83	91	81
6	OMH 17-47	65	89	102	85
7	RCRMH7(ZH138388)	77	92	93	87
8	RCRMH9(CAH1713)	68	64	92	75
9	VaMH 15028	78	99	102	93
10	VaMH 15036	85	77	82	81
11	VaMH 16008	72	83	105	86
12	ZH161032	70	79	106	85
13	BIO 9544 (C)	73	87	100	87
14	CMH 08-292 (C)	80	108	119	102
15	DHM-121 (C)	63	85	95	81
	Location Mean	73	88	99	87
	CV (%)	19.1	6.8	7.3	11.2
	F (Prob)	0.6	0.0	0.0	0.0
	CD (5%)	23.3	10.0	12.0	9.1
	CD (1%)	31.4	13.4	16.2	12.0

Table No. 31: Trial No. 528 (Medium Maturity) Zone 5 **Yield kg/ha**

S. No.	Entry Name	CWZ									
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADH 1608	5275	8	7076	9	6623	8	4474	13	6058	10
2	ADH 8070	5301	7	7342	4	7811	2	5050	10	6734	6
3	AH 8178	6071	2	5799	13	7599	3	5816	5	6405	8
4	CAH1511	4989	11	7311	7	7429	4	6243	2	6994	1
5	OMH 17-47	1100	13	7330	6	6124	10	5083	8	6179	9
6	RCRMH7(ZH138388)	5438	5	7342	5	6623	9	6639	1	6868	3
7	RCRMH9(CAH1713)	6071	3	5873	12	5591	12	4595	12	5353	13
8	VaMH 15036	4569	12	7081	8	7943	1	5545	6	6856	4
9	VaMH 16008	5435	6	7719	2	6804	6	4954	11	6492	7
10	ZH161032	5247	9	8250	1	6639	7	5905	4	6931	2
11	BIO 9544 (C)	5113	10	6326	11	6011	11	5422	7	5920	11
12	CMH 08 292 (C)	6154	1	7674	3	6824	5	5996	3	6831	5
13	DHM 121 (C)	5759	4	7021	10	5569	13	5080	9	5890	12
	Location Mean	5117	.	7088	.	6738	.	5446	.	6424	.
	CV (%)	30.3	.	9.5	.	15.4	.	11.1	.	12.4	.
	F (Prob)	0.1	.	0.0	.	0.1	.	0.0	.	0.0	.
	CD (5%)	2608.3	.	1129.5	.	1751.4	.	1020.3	.	747.1	.
	CD (1%)	3534.7	.	1530.6	.	2373.4	.	1382.7	.	991.5	.

Table No. 31: (Contd.) **Gain in Yield(%) over BIO 9544 (C)**

S. No.	Entry Name	CWZ								Z_CWZ	
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	3.17	8	11.86	8	10.19	7	-17.48	12	2.34	9
2	ADH 8070	3.68	7	16.07	3	29.94	2	-6.86	9	13.76	5
3	AH 8178	18.74	2	-8.33	12	26.42	3	7.28	4	8.2	7
4	CAH1511	-2.43	10	15.58	6	23.59	4	15.14	2	18.16	1
5	OMH 17-47	-78.5	12	15.88	5	1.88	9	-6.24	7	4.39	8
6	RCRMH7(ZH138388)	6.34	5	16.06	4	10.19	8	22.44	1	16.02	2
7	RCRMH9(CAH1713)	18.73	3	-7.15	11	-6.99	11	-15.25	11	-9.57	12
8	VaMH 15036	-10.6	11	11.93	7	32.14	1	2.27	5	15.82	3
9	VaMH 16008	6.3	6	22.02	1	13.19	6	-8.63	10	9.67	6
10	BIO 9544 (C)	0	9	0	10	0	10	0	6	0	10
11	CMH 08 292 (C)	20.35	1	21.31	2	13.53	5	10.59	3	15.4	4
12	DHM 121 (C)	12.62	4	10.99	9	-7.36	12	-6.31	8	-0.5	11

Table No. 31: (Contd.) **Gain in Yield(%) over CMH 08 292 (C)**

S. No.	Entry Name	CWZ									
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	-14.3	8	-7.79	8	-2.94	7	-25.39	12	-11.32	9
2	ADH 8070	-13.9	7	-4.32	3	14.46	2	-15.78	9	-1.42	5
3	AH 8178	-1.35	2	-24.43	12	11.35	3	-3	4	-6.24	7
4	CAH1511	-18.9	10	-4.72	6	8.87	4	4.11	2	2.39	1
5	OMH 17-47	-82.1	12	-4.48	5	-10.26	9	-15.22	7	-9.54	8
6	RCRMH7(ZH138388)	-11.6	5	-4.33	4	-2.94	8	10.72	1	0.54	2
7	RCRMH9(CAH1713)	-1.35	3	-23.46	11	-18.07	11	-23.37	11	-21.64	12
8	VaMH 15036	-25.8	11	-7.73	7	16.4	1	-7.52	5	0.36	3
9	VaMH 16008	-11.7	6	0.59	1	-0.29	6	-17.38	10	-4.96	6
10	BIO 9544 (C)	-16.9	9	-17.57	10	-11.92	10	-9.58	6	-13.35	10
11	CMH 08 292 (C)	0	1	0	2	0	5	0	3	0	4
12	DHM 121 (C)	-6.43	4	-8.51	9	-18.39	12	-15.28	8	-13.78	11

Table No. 31: (Contd.) **Gain in Yield(%) over DHM 121 (C)**

S. No.	Entry Name	CWZ									
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1608	-8.39	8	0.79	8	18.94	7	-11.93	12	2.85	9
2	ADH 8070	-7.94	7	4.58	3	40.26	2	-0.59	9	14.34	5
3	AH 8178	5.43	2	-17.4	12	36.45	3	14.5	4	8.74	7
4	CAH1511	-13.4	10	4.14	6	33.41	4	22.89	2	18.75	1
5	OMH 17-47	-80.9	12	4.41	5	9.97	9	0.07	7	4.91	8
6	RCRMH7(ZH138388)	-5.57	5	4.57	4	18.94	8	30.69	1	16.61	2
7	RCRMH9(CAH1713)	5.43	3	-16.34	11	0.39	11	-9.55	11	-9.12	12
8	VaMH 15036	-20.7	11	0.85	7	42.63	1	9.15	5	16.41	3
9	VaMH 16008	-5.61	6	9.94	1	22.18	6	-2.48	10	10.23	6
10	BIO 9544 (C)	-11.2	9	-9.9	10	7.94	10	6.73	6	0.5	10
11	CMH 08 292 (C)	6.87	1	9.3	2	22.54	5	18.04	3	15.98	4
12	DHM 121 (C)	0	4	0	9	0	12	0	8	0	11

Table No. 31: (Contd.) **Mositure (%)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	16	15	18	18	17
2	ADH 8070	16	13	18	15	16
3	AH 8178	16	13	17	17	16
4	CAH1511	16	14	18	17	16
5	OMH 17-47	86	15	18	15	16
6	RCRMH7(ZH138388)	16	14	18	18	17
7	RCRMH9(CAH1713)	16	11	18	15	15
8	VaMH 15036	15	15	17	18	16
9	VaMH 16008	16	14	17	16	16
10	ZH161032	16	15	20	16	17
11	BIO 9544 (C)	16	14	18	16	16
12	CMH 08 292 (C)	16	14	19	16	17
13	DHM 121 (C)	16	14	18	18	17
	Location Mean	21	14	18	17	16
	CV (%)	92.9	7.5	5.8	0.0	5.2
	F (Prob)	0.0	0.0	0.1	0.0	0.0
	CD (5%)	33.0	1.8	1.8	0.0	0.8
	CD (1%)	44.7	2.4	2.4	0.0	1.1

Table No. 31: (Contd.) Shelling (%)

S. No.	Entry Name	CWZ				Z_CWZ
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	72	84	77	81	78
2	ADH 8070	74	82	82	80	79
3	AH 8178	75	78	87	82	81
4	CAH1511	74	78	81	82	79
5	OMH 17-47	73	86	84	80	81
6	RCRMH7(ZH138388)	76	81	82	82	80
7	RCRMH9(CAH1713)	76	84	73	80	78
8	VaMH 15036	74	80	84	82	80
9	VaMH 16008	75	83	80	80	80
10	ZH161032	75	84	83	82	81
11	BIO 9544 (C)	71	81	79	80	78
12	CMH 08 292 (C)	76	86	84	80	82
13	DHM 121 (C)	75	80	70	81	77
	Location Mean	74	82	81	81	79
	CV (%)	1.7	4.7	6.5	0.0	4.2
	F (Prob)	0.0	0.2	0.0	0.0	0.0
	CD (5%)	2.2	6.5	8.8	0.0	2.7
	CD (1%)	2.9	8.8	11.9	0.0	3.6

Table No. 31: (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	47	59	55	56	54
2	ADH 8070	48	55	56	53	53
3	AH 8178	47	53	53	54	52
4	CAH1511	49	54	49	55	52
5	OMH 17-47	47	56	54	55	53
6	RCRMH7(ZH138388)	49	57	56	53	54
7	RCRMH9(CAH1713)	47	57	62	56	55
8	VaMH 15036	48	55	54	53	52
9	VaMH 16008	48	54	57	54	54
10	ZH161032	47	53	55	54	53
11	BIO 9544 (C)	47	59	62	55	56
12	CMH 08 292 (C)	48	54	56	52	53
13	DHM 121 (C)	49	59	56	55	55
	Location Mean	48	56	56	54	53
	CV (%)	2.0	3.4	8.3	3.2	5.0
	F (Prob)	0.2	0.0	0.2	0.3	0.0
	CD (5%)	1.7	3.2	7.8	2.9	2.2
	CD (1%)	2.2	4.3	10.6	3.9	2.9

Table No. 31: (Contd.) Days to 50% Silking

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	50	60	57	57	56
2	ADH 8070	51	56	58	54	55
3	AH 8178	50	54	56	55	54
4	CAH1511	52	55	52	56	54
5	OMH 17-47	50	57	57	56	55
6	RCRMH7(ZH138388)	52	58	58	55	56
7	RCRMH9(CAH1713)	50	58	65	57	57
8	VaMH 15036	51	56	57	54	54
9	VaMH 16008	51	55	60	55	55
10	ZH161032	50	54	57	55	54
11	BIO 9544 (C)	50	60	64	56	57
12	CMH 08 292 (C)	52	55	59	54	55
13	DHM 121 (C)	52	60	58	57	57
	Location Mean	51	57	58	55	55
	CV (%)	1.8	4.1	7.9	3.2	5.0
	F (Prob)	0.0	0.0	0.2	0.4	0.0
	CD (5%)	1.6	3.9	7.7	3.0	2.2
	CD (1%)	2.1	5.3	10.4	4.0	3.0

Table No. 31: (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	85	96	93	88	90
2	ADH 8070	86	96	93	87	91
3	AH 8178	86	92	92	88	90
4	CAH1511	89	96	86	90	90
5	OMH 17-47	86	96	90	90	91
6	RCRMH7(ZH138388)	90	95	94	90	92
7	RCRMH9(CAH1713)	85	95	99	88	92
8	VaMH 15036	88	95	92	88	91
9	VaMH 16008	87	96	97	87	92
10	ZH161032	85	96	91	89	91
11	BIO 9544 (C)	87	96	99	88	93
12	CMH 08 292 (C)	87	94	91	88	90
13	DHM 121 (C)	88	95	94	89	92
	Location Mean	87	95	93	88	91
	CV (%)	2.1	1.0	5.0	1.1	2.8
	F (Prob)	0.0	0.0	0.1	0.0	0.1
	CD (5%)	3.0	1.7	7.8	1.7	2.1
	CD (1%)	4.1	2.2	10.5	2.2	2.8

Table No. 31: (Contd.) Ears (Number)

S. No.	Entry Name	CWZ			
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean	Mean
1	ADH 1608	29	36	26	30
2	ADH 8070	26	36	30	30
3	AH 8178	30	32	30	30
4	CAH1511	27	32	30	29
5	OMH 17-47	28	31	28	29
6	RCRMH7(ZH138388)	28	37	26	30
7	RCRMH9(CAH1713)	30	36	28	32
8	VaMH 15036	27	40	28	32
9	VaMH 16008	27	38	30	32
10	ZH161032	28	33	27	29
11	BIO 9544 (C)	22	36	28	29
12	CMH 08 292 (C)	26	37	25	30
13	DHM 121 (C)	30	36	29	32
	Location Mean	28	35	28	30
	CV (%)	6.1	10.3	13.5	10.5
	F (Prob)	0.0	0.2	0.9	0.5
	CD (5%)	2.9	6.2	6.4	3.0
	CD (1%)	3.9	8.3	8.6	4.0

Table No. 31: (Contd.) **Initial Plant Stand**

S. No.	Entry Name	CWZ		
		Banswara_RJ	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean
1	ADH 1608	31	31	31
2	ADH 8070	30	32	31
3	AH 8178	33	33	33
4	CAH1511	30	26	28
5	OMH 17-47	32	31	32
6	RCRMH7(ZH138388)	31	27	29
7	RCRMH9(CAH1713)	33	27	30
8	VaMH 15036	30	29	30
9	VaMH 16008	30	31	31
10	ZH161032	31	29	30
11	BIO 9544 (C)	28	28	28
12	CMH 08 292 (C)	29	29	29
13	DHM 121 (C)	32	29	31
	Location Mean	31	29	30
	CV (%)	5.5	14.0	10.5
	F (Prob)	0.0	0.7	0.3
	CD (5%)	2.9	6.9	3.7
	CD (1%)	3.9	9.4	4.9

Table No. 31: (Contd.) **Final Plant Stand**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	60	64	69	62	64
2	ADH 8070	56	64	69	71	65
3	AH 8178	63	58	71	67	65
4	CAH1511	57	53	61	72	61
5	OMH 17-47	62	53	71	62	62
6	RCRMH7(ZH138388)	58	66	60	69	63
7	RCRMH9(CAH1713)	63	64	73	65	66
8	VaMH 15036	58	67	63	67	64
9	VaMH 16008	57	64	66	63	63
10	ZH161032	59	57	63	69	62
11	BIO 9544 (C)	52	61	69	67	62
12	CMH 08 292 (C)	56	63	62	66	62
13	DHM 121 (C)	63	66	65	67	65
	Location Mean	59	61	66	67	63
	CV (%)	6.7	9.6	14.6	5.1	9.9
	F (Prob)	0.1	0.1	0.8	0.0	0.6
	CD (5%)	6.6	10.0	16.3	5.8	5.1
	CD (1%)	9.0	13.5	22.0	7.8	6.7

Table No. 31: (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	203	183	177	223	197
2	ADH 8070	192	162	165	232	188
3	AH 8178	247	162	158	227	198
4	CAH1511	185	172	172	230	190
5	OMH 17-47	200	168	173	235	194
6	RCRMH7(ZH138388)	193	166	171	243	193
7	RCRMH9(CAH1713)	193	151	142	210	174
8	VaMH 15036	200	156	164	210	182
9	VaMH 16008	200	170	166	232	192
10	ZH161032	170	167	167	227	183
11	BIO 9544 (C)	173	153	146	200	168
12	CMH 08 292 (C)	197	183	173	247	200
13	DHM 121 (C)	227	176	162	213	195
	Location Mean	198	167	164	225	189
	CV (%)	11.5	3.6	6.4	4.5	7.4
	F (Prob)	0.0	0.0	0.0	0.0	0.0
	CD (5%)	38.6	10.0	17.9	16.9	11.3
	CD (1%)	52.2	13.5	24.2	22.9	14.9

Table No. 31: (Contd.) **Ear Height**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1608	92	83	78	107	90
2	ADH 8070	100	75	71	115	90
3	AH 8178	108	71	59	100	85
4	CAH1511	88	73	69	110	85
5	OMH 17-47	93	69	68	107	84
6	RCRMH7(ZH138388)	92	66	73	115	86
7	RCRMH9(CAH1713)	100	54	53	95	75
8	VaMH 15036	97	71	65	93	81
9	VaMH 16008	98	76	68	103	86
10	ZH161032	92	66	68	108	83
11	BIO 9544 (C)	78	80	58	100	79
12	CMH 08 292 (C)	93	89	77	125	96
13	DHM 121 (C)	107	77	61	102	87
	Location Mean	95	73	67	106	85
	CV (%)	12.7	7.2	13.9	8.6	10.9
	F (Prob)	0.3	0.0	0.1	0.0	0.0
	CD (5%)	20.4	8.9	15.7	15.4	7.5
	CD (1%)	27.6	12.0	21.2	20.8	9.9

Table No. 32: Trial No. 529 (Early Maturity) Zone 4 Yield kg/ha

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADH 1619	5179	1	7530	7	7501	2	6737	2
2	ADH 8106	4833	2	9104	1	8963	1	7634	1
3	AH 8127	3903	6	8345	4	5697	4	5982	4
4	KDM-115	3771	8	5413	11	4147	11	4444	11
5	RCRMH10(CAH174)	3945	5	7718	6	5466	5	5710	6
6	RCRMH11(CAH173)	4649	3	6647	9	5209	8	5502	7
7	Vivek maize hybrid 45	3725	9	6843	8	5263	7	5277	9
8	Vivek maize hybrid 51	3100	10	7826	5	5050	9	5326	8
9	BIO 605 (c)	3077	11	8518	2	6105	3	5900	5
10	DKC 7074 (c)	4068	4	8485	3	5446	6	6000	3
11	PMH 15 (c)	3903	7	6644	10	4648	10	5065	10
	Location Mean	4014	.	7552	.	5772	.	5780	.
	CV (%)	20.4	.	21.0	.	12.2	.	19.2	.
	F (Prob)	0.1	.	0.3	.	0.0	.	0.0	.
	CD (5%)	1393.0	.	2703.2	.	1197.9	.	1044.7	.
	CD (1%)	1900.1	.	3687.3	.	1634.0	.	1389.4	.

Table No. 32: (Contd.) **Gain in Yield(%) over BIO 605 (c)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	68.3	1	-11.61	7	22.87	2	14.18	2
2	ADH 8106	57.07	2	6.88	1	46.8	1	29.37	1
3	AH 8127	26.84	6	-2.04	4	-6.69	4	1.38	4
4	KDM-115	22.55	8	-36.46	11	-32.07	11	-24.69	11
5	RCRMH10(CAH174)	28.21	5	-9.39	6	-10.46	5	-3.23	6
6	RCRMH11(CAH173)	51.06	3	-21.97	9	-14.68	8	-6.76	7
7	Vivek maize hybrid 45	21.06	9	-19.67	8	-13.79	7	-10.56	9
8	Vivek maize hybrid 51	0.74	10	-8.12	5	-17.28	9	-9.74	8
9	BIO 605 (c)	0	11	0	2	0	3	0	5
10	DKC 7074 (c)	32.18	4	-0.39	3	-10.79	6	1.69	3
11	PMH 15 (c)	26.81	7	-22.01	10	-23.88	10	-14.16	10

Table No. 32: (Contd.) **Gain in Yield(%) over DKC 7074 (c)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	27.32	1	-11.27	7	37.73	2	12.28	2
2	ADH 8106	18.83	2	7.29	1	64.56	1	27.23	1
3	AH 8127	-4.04	6	-1.66	4	4.6	4	-0.3	4
4	KDM-115	-7.29	8	-36.21	11	-23.85	11	-25.94	11
5	RCRMH10(CAH174)	-3.01	5	-9.04	6	0.36	5	-4.83	6
6	RCRMH11(CAH173)	14.28	3	-21.66	9	-4.36	8	-8.3	7
7	Vivek maize hybrid 45	-8.41	9	-19.36	8	-3.37	7	-12.05	9
8	Vivek maize hybrid 51	-23.78	10	-7.77	5	-7.27	9	-11.24	8
9	BIO 605 (c)	-24.35	11	0.39	2	12.09	3	-1.66	5
10	DKC 7074 (c)	0	4	0	3	0	6	0	3
11	PMH 15 (c)	-4.06	7	-21.71	10	-14.67	10	-15.59	10

Table No. 32: (Contd.) **Gain in Yield(%) over PMH 15 (c)**

S. No.	Entry Name	PZ							
		Kolhapur_MH		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	32.71	1	13.33	7	61.41	2	33.02	2
2	ADH 8106	23.85	2	37.04	1	92.85	1	50.72	1
3	AH 8127	0.02	6	25.6	4	22.58	4	18.11	4
4	KDM-115	-3.37	8	-18.53	11	-10.76	11	-12.26	11
5	RCRMH10(CAH174)	1.1	5	16.18	6	17.62	5	12.74	6
6	RCRMH11(CAH173)	19.12	3	0.05	9	12.09	8	8.63	7
7	Vivek maize hybrid 45	-4.54	9	3	8	13.24	7	4.2	9
8	Vivek maize hybrid 51	-20.56	10	17.8	5	8.66	9	5.15	8
9	BIO 605 (c)	-21.14	11	28.22	2	31.36	3	16.5	5
10	DKC 7074 (c)	4.23	4	27.72	3	17.19	6	18.47	3
11	PMH 15 (c)	0	7	0	10	0	10	0	10

Table No. 32: (Contd.) **Moisture (%)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	17	19	12	16
2	ADH 8106	17	19	12	16
3	AH 8127	17	19	11	16
4	KDM-115	12	15	11	13
5	RCRMH10(CAH174)	13	18	12	14
6	RCRMH11(CAH173)	17	20	13	16
7	Vivek maize hybrid 45	17	17	11	15
8	Vivek maize hybrid 51	15	16	11	14
9	BIO 605 (c)	16	18	11	15
10	DKC 7074 (c)	14	18	12	15
11	PMH 15 (c)	17	14	11	14
	Location Mean	15	18	12	15
	CV (%)	11	8	6	9
	F (Prob)	0	0	0	0
	CD (5%)	3	2	1	1
	CD (1%)	4	3	2	2

Table No. 32: (Contd.) **Shelling (%)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	85	80	79	82
2	ADH 8106	81	80	80	80
3	AH 8127	70	80	80	77
4	KDM-115	73	80	82	78
5	RCRMH10(CAH174)	81	80	80	80
6	RCRMH11(CAH173)	86	80	80	82
7	Vivek maize hybrid 45	84	80	81	82
8	Vivek maize hybrid 51	76	80	78	78
9	BIO 605 (c)	77	80	80	79
10	DKC 7074 (c)	79	80	80	80
11	PMH 15 (c)	77	80	81	79
	Location Mean	79	80	80	80
	CV (%)	0	0	1	1
	F (Prob)	0	.	0	0
	CD (5%)	0	0	2	1
	CD (1%)	0	0	3	1

Table No. 32: (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	54	46	45	49
2	ADH 8106	57	51	48	52
3	AH 8127	55	49	49	51
4	KDM-115	56	45	46	49
5	RCRMH10(CAH174)	56	47	44	49
6	RCRMH11(CAH173)	56	51	48	51
7	Vivek maize hybrid 45	56	48	44	50
8	Vivek maize hybrid 51	56	45	44	48
9	BIO 605 (c)	55	50	47	51
10	DKC 7074 (c)	55	49	47	50
11	PMH 15 (c)	55	45	44	48
	Location Mean	56	48	46	50
	CV (%)	5	4	5	5
	F (Prob)	1	0	0	0
	CD (5%)	5	3	4	2
	CD (1%)	7	4	5	3

Table No. 32: (Contd.) **Days to 50% Silking**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	56	48	48	51
2	ADH 8106	59	53	51	54
3	AH 8127	57	51	52	53
4	KDM-115	58	47	49	51
5	RCRMH10(CAH174)	58	49	47	51
6	RCRMH11(CAH173)	58	53	51	54
7	Vivek maize hybrid 45	59	50	47	52
8	Vivek maize hybrid 51	58	47	47	51
9	BIO 605 (c)	57	52	51	54
10	DKC 7074 (c)	57	51	50	53
11	PMH 15 (c)	57	47	47	50
	Location Mean	58	50	49	52
	CV (%)	5	4	4	4
	F (Prob)	1	0	0	0
	CD (5%)	5	3	4	2
	CD (1%)	7	4	5	3

Table No. 32: (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	88	78	88	85
2	ADH 8106	91	81	91	88
3	AH 8127	89	80	92	87
4	KDM-115	90	77	88	85
5	RCRMH10(CAH174)	90	78	88	85
6	RCRMH11(CAH173)	90	81	90	87
7	Vivek maize hybrid 45	91	79	88	86
8	Vivek maize hybrid 51	90	77	90	86
9	BIO 605 (c)	89	81	91	87
10	DKC 7074 (c)	89	79	90	86
11	PMH 15 (c)	89	77	87	84
	Location Mean	90	79	89	86
	CV (%)	3	2	2	2
	F (Prob)	1	0	0	0
	CD (5%)	5	2	3	2
	CD (1%)	7	3	4	3

Table No. 32: (Contd.) **Ears (Number)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	34	37	53	41
2	ADH 8106	32	36	50	39
3	AH 8127	31	36	46	38
4	KDM-115	33	36	44	38
5	RCRMH10(CAH174)	32	35	45	37
6	RCRMH11(CAH173)	33	38	47	40
7	Vivek maize hybrid 45	32	36	44	37
8	Vivek maize hybrid 51	32	33	45	37
9	BIO 605 (c)	34	37	47	39
10	DKC 7074 (c)	33	38	52	41
11	PMH 15 (c)	33	35	48	39
	Location Mean	33	36	47	39
	CV (%)	7	8	10	9
	F (Prob)	1	0	0	0
	CD (5%)	4	5	8	3
	CD (1%)	5	6	10	4

Table No. 32: (Contd.) **Initial Plant Stand**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	35	39	54	43
2	ADH 8106	34	37	50	41
3	AH 8127	32	38	51	41
4	KDM-115	35	38	46	40
5	RCRMH10(CAH174)	33	39	51	41
6	RCRMH11(CAH173)	36	40	50	42
7	Vivek maize hybrid 45	36	37	49	40
8	Vivek maize hybrid 51	35	39	49	41
9	BIO 605 (c)	34	39	51	42
10	DKC 7074 (c)	34	40	55	43
11	PMH 15 (c)	35	37	53	42
	Location Mean	34	38	51	41
	CV (%)	10	10	9	10
	F (Prob)	1	1	1	1
	CD (5%)	6	6	8	4
	CD (1%)	8	9	11	5

Table No. 32: (Contd.) **Final Plant Stand**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	55	66	47	56
2	ADH 8106	53	64	45	54
3	AH 8127	51	65	44	53
4	KDM-115	54	64	40	53
5	RCRMH10(CAH174)	51	61	42	51
6	RCRMH11(CAH173)	56	68	43	56
7	Vivek maize hybrid 45	55	64	41	53
8	Vivek maize hybrid 51	54	61	42	52
9	BIO 605 (c)	54	66	43	54
10	DKC 7074 (c)	53	68	46	56
11	PMH 15 (c)	53	63	45	53
	Location Mean	53	65	43	54
	CV (%)	11	8	10	9
	F (Prob)	1	1	1	1
	CD (5%)	10	9	7	5
	CD (1%)	13	12	10	6

Table No. 32: (Contd.) **Plant Height (cm)**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	138	174	192	168
2	ADH 8106	138	197	197	177
3	AH 8127	130	188	193	170
4	KDM-115	117	174	197	163
5	RCRMH10(CAH174)	113	180	190	161
6	RCRMH11(CAH173)	135	174	180	163
7	Vivek maize hybrid 45	120	151	184	152
8	Vivek maize hybrid 51	127	169	203	166
9	BIO 605 (c)	147	199	220	189
10	DKC 7074 (c)	120	176	182	159
11	PMH 15 (c)	113	173	197	161
	Location Mean	127	178	194	166
	CV (%)	10	4	7	7
	F (Prob)	0	0	0	0
	CD (5%)	21	12	24	11
	CD (1%)	29	17	33	15

Table No. 32: (Contd.) **Ear Height**

S. No.	Entry Name	PZ			
		Kolhapur_MH	Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean	Mean
1	ADH 1619	75	91	107	91
2	ADH 8106	73	86	107	89
3	AH 8127	67	75	104	82
4	KDM-115	72	77	100	83
5	RCRMH10(CAH174)	58	75	100	78
6	RCRMH11(CAH173)	72	67	94	78
7	Vivek maize hybrid 45	57	57	91	68
8	Vivek maize hybrid 51	73	71	110	85
9	BIO 605 (c)	83	87	123	98
10	DKC 7074 (c)	63	79	107	83
11	PMH 15 (c)	50	70	103	74
	Location Mean	68	76	104	83
	CV (%)	13	9	4	9
	F (Prob)	0	0	0	0
	CD (5%)	15	12	7	7
	CD (1%)	21	16	10	9

Table No. 33: Trial No. 530 (Early Maturity) Zone 5 **Yield kg/ha**

S. No.	Entry Name	CWZ									
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	ADH 1619	5392	4	4038	9	6373	6	.	.	.	.
2	ADH 8106	5547	2	4972	6	7329	2	4990	2	5709	1
3	AH 8127	4824	11	5149	3	6898	4	4600	3	5368	3
4	DMRH1417	4829	10	4528	8	6035	8	4578	4	4993	6
5	KDM-115	4915	7	1993	12	5772	10	3138	7	3955	8
6	OMH 14-27	4850	8	6221	1	5614	11	5342	1	5507	2
7	RCRMH10(CAH174)	6271	1	4022	10	6233	7	.	.	.	.
8	RCRMH11(CAH173)	4436	12	5702	2	5352	12	3964	6	4864	7
9	Vivek hybrid 45	4842	9	4672	7	7807	1	4047	5	5342	4
10	BIO 605 (C)	5295	6	4975	5	7164	3	.	.	.	.
11	DKC 7074 (C)	5498	3	5109	4	6884	5	2886	8	5094	5
12	PMH 15 (C)	5382	5	3541	11	5910	9	.	.	.	.
	Location Mean	5174	.	4577	.	6448	.	4193	.	5180	.
	CV (%)	19.9	.	16.7	.	18.2	.	14.1	.	18.2	.
	F (Prob)	0.8	.	0.0	.	0.3	.	0.0	.	0.0	.
	CD (5%)	1744.9	.	1293.6	.	1985.2	.	1036.7	.	.	.
	CD (1%)	2371.6	.	1758.3	.	2698.2	.	1438.9	.	.	.

Table No. 33: (Contd.) **Gain in Yield(%) over BIO 605 (C)**

S. No.	Entry name	CWZ					
		Banswara_RJ		Chindwara_MP		Godhara_GJ	
		Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	1.84	4	-18.82	9	-11.04	6
2	ADH 8106	4.77	2	-0.05	6	2.29	2
3	AH 8127	-8.89	11	3.51	3	-3.71	4
4	DMRH1417	-8.8	10	-8.97	8	-15.76	8
5	KDM-115	-7.16	7	-59.93	12	-19.44	10
6	OMH 14-27	-8.4	8	25.05	1	-21.64	11
7	RCRMH10(CAH174)	18.45	1	-19.15	10	-13	7
8	RCRMH11(CAH173)	-16.22	12	14.63	2	-25.29	12
9	Vivek hybrid 45	-8.54	9	-6.09	7	8.98	1
10	BIO 605 (C)	0	6	0	5	0	3
11	DKC 7074 (C)	3.85	3	2.71	4	-3.91	5
12	PMH 15 (C)	1.66	5	-28.81	11	-17.51	9

Table No. 33: (Contd.) **Gain in Yield(%) over DKC 7074 (C)**

S. No.	Entry name	CWZ									
		Banswara_RJ		Chindwara_MP		Godhara_GJ		Udaipur_Raj		Z_CWZ	
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	-1.94	4	-20.96	9	-7.43	6	.	.	.	.
2	ADH 8106	0.89	2	-2.68	6	6.45	2	72.92	2	12.07	1
3	AH 8127	-12.27	11	0.78	3	0.2	4	59.43	3	5.37	3
4	DMRH1417	-12.18	10	-11.37	8	-12.34	8	58.65	4	-2	6
5	KDM-115	-10.6	7	-60.98	12	-16.16	10	8.74	7	-22.37	8
6	OMH 14-27	-11.79	8	21.76	1	-18.45	11	85.12	1	8.09	2
7	RCRMH10(CAH174)	14.05	1	-21.28	10	-9.46	7	.	.	.	.
8	RCRMH11(CAH173)	-19.33	12	11.61	2	-22.26	12	37.37	6	-4.53	7
9	Vivek hybrid 45	-11.93	9	-8.57	7	13.41	1	40.25	5	4.86	4
10	BIO 605 (C)	-3.71	6	-2.64	5	4.07	3	.	.	.	.
11	DKC 7074 (C)	0	3	0	4	0	5	0	8	0	5
12	PMH 15 (C)	-2.11	5	-30.68	11	-14.15	9	.	.	.	.

Table No. 33: (Contd.) **Gain in Yield(%) over PMH 15 (C)**

S. No.	Entry name	CWZ					
		Banswara_RJ		Chindwara_MP		Godhara_GJ	
		Gain	Rank	Gain	Rank	Gain	Rank
1	ADH 1619	0.18	4	14.03	9	7.84	6
2	ADH 8106	3.06	2	40.4	6	24.01	2
3	AH 8127	-10.38	11	45.39	3	16.73	4
4	DMRH1417	-10.29	10	27.87	8	2.12	8
5	KDM-115	-8.67	7	-43.71	12	-2.34	10
6	OMH 14-27	-9.89	8	75.65	1	-5	11
7	RCRMH10(CAH174)	16.52	1	13.56	10	5.47	7
8	RCRMH11(CAH173)	-17.59	12	61.02	2	-9.44	12
9	Vivek hybrid 45	-10.03	9	31.91	7	32.11	1
10	BIO 605 (C)	-1.63	6	40.47	5	21.22	3
11	DKC 7074 (C)	2.16	3	44.27	4	16.49	5
12	PMH 15 (C)	0	5	0	11	0	9

Table No. 33: (Contd.) **Moisture (%)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	16	12	13	.	.
2	ADH 8106	16	11	17	18	16
3	AH 8127	16	11	17	18	16
4	DMRH1417	17	11	17	17	15
5	KDM-115	16	10	15	16	14
6	OMH 14-27	16	11	15	18	15
7	RCRMH10(CAH174)	16	11	16	.	.
8	RCRMH11(CAH173)	15	13	15	18	15
9	Vivek hybrid 45	15	11	15	17	15
10	BIO 605 (C)	16	11	18	.	.
11	DKC 7074 (C)	16	11	16	17	15
12	PMH 15 (C)	15	10	16	.	.
	Location Mean	16	11	16	17	15
	CV (%)	1.9	7.3	10.6	0.0	6.6
	F (Prob)	0.0	0.0	0.1	0.0	0.0
	CD (5%)	0.5	1.4	2.8	0.0	.
	CD (1%)	0.7	1.9	3.9	0.0	.

Table No. 33: (Contd.) **Shelling (%)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	69	82	83	.	.
2	ADH 8106	69	79	86	81	79
3	AH 8127	67	78	81	82	77
4	DMRH1417	70	85	85	81	80
5	KDM-115	71	85	85	80	80
6	OMH 14-27	67	84	72	82	76
7	RCRMH10(CAH174)	71	82	82	.	.
8	RCRMH11(CAH173)	67	84	68	81	75
9	Vivek hybrid 45	71	82	84	81	80
10	BIO 605 (C)	70	84	86	.	.
11	DKC 7074 (C)	71	83	82	80	79
12	PMH 15 (C)	73	84	83	.	.
	Location Mean	70	83	82	81	79
	CV (%)	3.6	4.5	6.1	0.0	4.4
	F (Prob)	0.2	0.4	0.0	0.0	0.0
	CD (5%)	4.3	6.2	8.4	0.0	.
	CD (1%)	5.8	8.5	11.4	0.0	.

Table No. 33: (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	47	58	46	51	50
2	ADH 8106	47	62	52	51	53
3	AH 8127	47	62	51	52	53
4	DMRH1417	47	58	50	49	51
5	KDM-115	46	57	56	50	52
6	OMH 14-27	46	62	51	52	53
7	RCRMH10(CAH174)	45	59	56	53	53
8	RCRMH11(CAH173)	46	62	48	51	52
9	Vivek hybrid 45	46	58	50	50	51
10	BIO 605 (C)	47	59	55	52	53
11	DKC 7074 (C)	46	61	47	52	52
12	PMH 15 (C)	46	57	47	49	50
	Location Mean	46	60	51	51	52
	CV (%)	2.8	1.3	8.9	3.3	4.8
	F (Prob)	0.7	0.0	0.1	0.2	0.0
	CD (5%)	2.2	1.3	7.6	2.9	2.0
	CD (1%)	3.0	1.8	10.4	3.9	2.7

Table No. 33: (Contd.) **Days to 50% Silking**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	50	59	48	54	53
2	ADH 8106	50	63	54	54	55
3	AH 8127	50	63	53	54	55
4	DMRH1417	50	60	53	50	53
5	KDM-115	49	59	59	52	55
6	OMH 14-27	49	62	54	54	55
7	RCRMH10(CAH174)	48	60	59	54	55
8	RCRMH11(CAH173)	49	62	51	54	54
9	Vivek hybrid 45	49	59	53	52	53
10	BIO 605 (C)	50	61	57	54	55
11	DKC 7074 (C)	49	62	50	55	54
12	PMH 15 (C)	49	59	50	51	52
	Location Mean	49	61	53	53	54
	CV (%)	2.6	1.1	8.4	2.4	4.4
	F (Prob)	0.7	0.0	0.1	0.0	0.0
	CD (5%)	2.2	1.2	7.6	2.1	2.0
	CD (1%)	2.9	1.6	10.3	2.9	2.6

Table No. 33: (Contd.) **Days to 75% Dry Husk**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	80	96	81	83	85
2	ADH 8106	81	98	88	88	89
3	AH 8127	80	98	87	90	89
4	DMRH1417	80	92	86	87	86
5	KDM-115	79	90	91	85	86
6	OMH 14-27	80	99	87	89	89
7	RCRMH10(CAH174)	79	92	90	84	86
8	RCRMH11(CAH173)	79	98	86	86	87
9	Vivek hybrid 45	79	95	85	87	86
10	BIO 605 (C)	81	94	89	87	88
11	DKC 7074 (C)	79	97	84	85	86
12	PMH 15 (C)	80	93	84	88	86
	Location Mean	80	95	87	87	87
	CV (%)	2.7	2.0	4.0	1.4	2.6
	F (Prob)	1.0	0.0	0.1	0.0	0.0
	CD (5%)	3.7	3.1	5.8	2.1	1.9
	CD (1%)	5.0	4.3	7.9	2.8	2.5

Table No. 33: (Contd.) Initial Plant Stand

S. No.	Entry Name	CWZ		
		Banswara_RJ	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean
1	ADH 1619	31	32	31
2	ADH 8106	32	34	33
3	AH 8127	29	33	31
4	DMRH1417	31	27	29
5	KDM-115	30	33	32
6	OMH 14-27	31	30	30
7	RCRMH10(CAH174)	31	34	33
8	RCRMH11(CAH173)	28	34	31
9	Vivek hybrid 45	30	31	31
10	BIO 605 (C)	29	33	31
11	DKC 7074 (C)	30	32	31
12	PMH 15 (C)	30	29	30
	Location Mean	30	32	31
	CV (%)	8.3	13.5	10.9
	F (Prob)	0.7	0.7	0.7
	CD (5%)	4.2	7.3	3.9
	CD (1%)	5.7	9.9	5.3

Table No. 33: (Contd.) **Final Plant Stand**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	59	49	73	63	61
2	ADH 8106	61	49	74	63	62
3	AH 8127	55	61	72	66	63
4	DMRH1417	57	57	60	54	57
5	KDM-115	58	48	71	65	60
6	OMH 14-27	59	46	65	69	59
7	RCRMH10(CAH174)	61	54	73	56	61
8	RCRMH11(CAH173)	52	55	74	65	61
9	Vivek hybrid 45	57	56	67	65	61
10	BIO 605 (C)	56	53	72	61	61
11	DKC 7074 (C)	57	54	70	53	59
12	PMH 15 (C)	53	51	64	69	59
	Location Mean	57	53	70	62	60
	CV (%)	8.9	14.2	11.7	8.0	10.8
	F (Prob)	0.6	0.5	0.6	0.0	0.7
	CD (5%)	8.6	12.7	13.7	8.5	5.3
	CD (1%)	11.7	17.2	18.7	11.5	7.0

Table No. 33: (Contd.) **Ears (Number)**

S. No.	Entry Name	CWZ			
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Z_CWZ
		Mean	Mean	Mean	Mean
1	ADH 1619	28	32	30	30
2	ADH 8106	28	29	33	30
3	AH 8127	27	35	33	32
4	DMRH1417	26	32	30	30
5	KDM-115	26	25	35	28
6	OMH 14-27	27	27	26	27
7	RCRMH10(CAH174)	29	29	32	30
8	RCRMH11(CAH173)	25	34	31	30
9	Vivek hybrid 45	26	34	32	31
10	BIO 605 (C)	26	32	29	29
11	DKC 7074 (C)	27	34	33	31
12	PMH 15 (C)	26	30	31	29
	Location Mean	27	31	31	30
	CV (%)	7.5	15.8	12.1	12.6
	F (Prob)	0.6	0.3	0.5	0.4
	CD (5%)	3.4	8.3	6.4	3.5
	CD (1%)	4.6	11.3	8.7	4.7

Table No. 33: (Contd.) **Plant Height (cm)**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	173	140	173	178	166
2	ADH 8106	203	141	169	200	178
3	AH 8127	185	141	173	198	174
4	DMRH1417	183	148	158	203	173
5	KDM-115	193	143	165	208	177
6	OMH 14-27	190	155	162	232	185
7	RCRMH10(CAH174)	188	132	170	183	168
8	RCRMH11(CAH173)	185	138	161	180	166
9	Vivek hybrid 45	182	118	174	167	160
10	BIO 605 (C)	173	146	174	193	172
11	DKC 7074 (C)	190	132	165	172	165
12	PMH 15 (C)	180	142	172	165	165
	Location Mean	186	140	168	190	171
	CV (%)	10.4	6.1	5.1	6.7	7.6
	F (Prob)	0.8	0.0	0.3	0.0	0.0
	CD (5%)	32.8	14.4	14.4	21.5	10.6
	CD (1%)	44.5	19.6	19.5	29.2	14.0

Table No. 33: (Contd.) **Ear Height**

S. No.	Entry Name	CWZ				
		Banswara_RJ	Chindwara_MP	Godhara_GJ	Udaipur_Raj	Z_CWZ
		Mean	Mean	Mean	Mean	Mean
1	ADH 1619	97	71	73	97	84
2	ADH 8106	100	62	71	97	82
3	AH 8127	98	64	73	97	83
4	DMRH1417	83	65	61	97	76
5	KDM-115	93	59	69	98	80
6	OMH 14-27	93	63	63	108	82
7	RCRMH10(CAH174)	100	61	70	90	80
8	RCRMH11(CAH173)	83	56	62	82	71
9	Vivek hybrid 45	98	45	74	77	74
10	BIO 605 (C)	80	67	74	105	81
11	DKC 7074 (C)	83	64	65	87	75
12	PMH 15 (C)	100	64	73	75	78
	Location Mean	93	62	69	92	79
	CV (%)	15.0	8.2	12.0	10.6	12.2
	F (Prob)	0.5	0.0	0.4	0.0	0.0
	CD (5%)	23.5	8.5	14.1	16.6	7.8
	CD (1%)	32.0	11.6	19.1	22.5	10.4

Table No. 34: Trial No. 531 (Late Maturity) Zone 4 Yield kg/ha

S. No.	Entry Name	PZ					
		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Mean	Rank	Mean	Rank	Mean	Rank
1	CMH 15-005	10665	1	5889	3	10665	1
2	KMH-1(CAH-1612)	8326	7	5319	7	8326	7
3	PHM1801 (CAH1801)	9722	3	5712	5	9722	3
4	TA 5084 (Late)	8544	6	6833	1	8544	6
5	BIO 9682 (C)	9407	5	5626	6	9407	5
6	CMH 08-282 (C)	9551	4	5713	4	9551	4
7	CMH 08-287 (C)	10132	2	6594	2	10132	2
8	Location Mean	9478	.	5955	.	9478	.
	CV (%)	7	.	16	.	7	.
	F (Prob)	0.0	.	0.5	.	0.0	.
	CD (5%)	1217.9	.	1697.3	.	1217.9	.
	CD (1%)	1707.4	.	2379.4	.	1707.4	.

Table No. 34: (Contd.) Gain in Yield(%) over BIO 9682 (C)

S. No.	Entry Name	PZ					
		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank
1	CMH 15-005	13.38	1	4.68	3	13.38	1
2	KMH-1(CAH-1612)	-11.48	7	-5.46	7	-11.48	7
3	PHM1801 (CAH1801)	3.35	3	1.53	5	3.35	3
4	TA 5084 (Late)	-9.17	6	21.44	1	-9.17	6
5	BIO 9682 (C)	0	5	0	6	0	5
6	CMH 08-282 (C)	1.54	4	1.54	4	1.54	4
7	CMH 08-287 (C)	7.71	2	17.21	2	7.71	2

Table No. 34: (Contd.) **Gain in Yield(%) over CMH 08-282 (C)**

S. No.	Entry Name	PZ					
		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank
1	CMH 15-005	11.66	1	3.09	3	11.66	1
2	KMH-1(CAH-1612)	-12.82	7	-6.89	7	-12.82	7
3	PHM1801 (CAH1801)	1.78	3	-0.01	5	1.78	3
4	TA 5084 (Late)	-10.54	6	19.6	1	-10.54	6
5	BIO 9682 (C)	-1.51	5	-1.52	6	-1.51	5
6	CMH 08-282 (C)	0	4	0	4	0	4
7	CMH 08-287 (C)	6.08	2	15.43	2	6.08	2

Table No. 34: (Contd.) **Gain in Yield(%) over CMH 08-287 (C)**

S. No.	Entry Name	PZ					
		Peddapuram_AP		Vagarai_TN		Z_PZ	
		Gain	Rank	Gain	Rank	Gain	Rank
1	CMH 15-005	5.26	1	-10.69	3	5.26	1
2	KMH-1(CAH-1612)	-17.82	7	-19.34	7	-17.82	7
3	PHM1801 (CAH1801)	-4.05	3	-13.38	5	-4.05	3
4	TA 5084 (Late)	-15.67	6	3.61	1	-15.67	6
5	BIO 9682 (C)	-7.16	5	-14.68	6	-7.16	5
6	CMH 08-282 (C)	-5.73	4	-13.37	4	-5.73	4
7	CMH 08-287 (C)	0	2	0	2	0	2

Table No. 34: (Contd.) **Moisture (%)**

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	16	12	14
2	KMH-1(CAH-1612)	16	13	15
3	PHM1801 (CAH1801)	16	13	15
4	TA 5084 (Late)	15	14	15
5	BIO 9682 (C)	16	14	15
6	CMH 08-282 (C)	16	13	15
7	CMH 08-287 (C)	17	15	16
8	Location Mean	16	13	15
	CV (%)	6	8	7
	F (Prob)	0.7	0.1	0.2
	CD (5%)	1.7	2.0	1.3
	CD (1%)	2.4	2.8	1.7

Table No. 34: (Contd.) **Shelling %**

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	80	80	80
2	KMH-1(CAH-1612)	80	80	80
3	PHM1801 (CAH1801)	80	79	80
4	TA 5084 (Late)	80	80	80
5	BIO 9682 (C)	80	80	80
6	CMH 08-282 (C)	80	81	80
7	CMH 08-287 (C)	80	79	80
8	Location Mean	80	80	80
	CV (%)	0	1	1
	F (Prob)	.	0.0	0.0
	CD (5%)	0.0	1.1	0.5
	CD (1%)	0.0	1.5	0.7

Table No. 34: (Contd.) Days to 75% Dry Husk

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	92	97	95
2	KMH-1(CAH-1612)	94	95	94
3	PHM1801 (CAH1801)	92	97	94
4	TA 5084 (Late)	91	95	93
5	BIO 9682 (C)	92	96	94
6	CMH 08-282 (C)	91	94	93
7	CMH 08-287 (C)	93	97	95
8	Location Mean	92	96	94
	CV (%)	1	1	1
	F (Prob)	0.0	0.1	0.0
	CD (5%)	1.6	2.5	1.4
	CD (1%)	2.3	3.5	1.9

Table No. 34: (Contd.) Days to 50% Pollen Shed

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	56	52	54
2	KMH-1(CAH-1612)	56	52	54
3	PHM1801 (CAH1801)	54	52	53
4	TA 5084 (Late)	53	50	52
5	BIO 9682 (C)	55	52	54
6	CMH 08-282 (C)	53	50	52
7	CMH 08-287 (C)	56	53	55
8	Location Mean	55	52	53
	CV (%)	2	3	2
	F (Prob)	0.0	0.2	0.0
	CD (5%)	1.8	2.7	1.5
	CD (1%)	2.5	3.7	2.1

Table No. 34: (Contd.) Ears (Number)

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	37	52	44
2	KMH-1(CAH-1612)	37	47	42
3	PHM1801 (CAH1801)	38	53	46
4	TA 5084 (Late)	36	49	42
5	BIO 9682 (C)	38	52	45
6	CMH 08-282 (C)	37	48	42
7	CMH 08-287 (C)	37	50	44
8	Location Mean	37	50	44
	CV (%)	5	8	7
	F (Prob)	0.8	0.5	0.3
	CD (5%)	3.4	7.2	3.8
	CD (1%)	4.8	10.1	5.1

Table No. 34: (Contd.) Initial plant stand

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	40	53	47
2	KMH-1(CAH-1612)	40	48	44
3	PHM1801 (CAH1801)	40	54	47
4	TA 5084 (Late)	39	50	44
5	BIO 9682 (C)	40	55	47
6	CMH 08-282 (C)	40	51	46
7	CMH 08-287 (C)	40	52	46
8	Location Mean	40	52	46
	CV (%)	3	8	6
	F (Prob)	0.7	0.5	0.4
	CD (5%)	2.2	7.1	3.5
	CD (1%)	3.0	9.9	4.8

Table No. 34: (Contd.) Final Plant Stand

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	66	46	56
2	KMH-1(CAH-1612)	67	42	55
3	PHM1801 (CAH1801)	68	47	58
4	TA 5084 (Late)	64	43	54
5	BIO 9682 (C)	67	48	57
6	CMH 08-282 (C)	66	45	55
7	CMH 08-287 (C)	66	46	56
8	Location Mean	66	45	56
	CV (%)	5	8	6
	F (Prob)	0.8	0.5	0.4
	CD (5%)	6.2	6.4	4.2
	CD (1%)	8.6	8.9	5.7

Table No. 34: (Contd.) **Plant Height**

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	233	226	229
2	KMH-1(CAH-1612)	180	186	183
3	PHM1801 (CAH1801)	200	187	194
4	TA 5084 (Late)	191	192	191
5	BIO 9682 (C)	193	197	195
6	CMH 08-282 (C)	219	208	214
7	CMH 08-287 (C)	229	217	223
8	Location Mean	206	202	204
	CV (%)	3	7	5
	F (Prob)	0.0	0.0	0.0
	CD (5%)	11.0	25.2	13.0
	CD (1%)	15.5	35.3	17.7

Table No. 34: (Contd.) **Ear Height**

S. No.	Entry Name	PZ		
		Peddapuram_AP	Vagarai_TN	Z_PZ
		Mean	Mean	Mean
1	CMH 15-005	108	119	113
2	KMH-1(CAH-1612)	87	105	96
3	PHM1801 (CAH1801)	93	104	98
4	TA 5084 (Late)	71	101	86
5	BIO 9682 (C)	90	108	99
6	CMH 08-282 (C)	104	111	108
7	CMH 08-287 (C)	105	120	112
8	Location Mean	94	110	102
	CV (%)	9	9	9
	F (Prob)	0.0	0.2	0.0
	CD (5%)	15.6	17.1	11.0
	CD (1%)	21.9	23.9	14.9

Table No. 35: Trial No. 532 (Late Maturity) Zone 5 Yield kg/ha

S. No.	Entry	CWZ						Z_CWZ	
		Banswara_RJ		Chindwara_MP		Udaipur_Raj			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	CMH 12 -686	6536.18	1	6591.82	3	6617.5	1	6581.84	2
2	CMH 15-005	5989.15	7	8190.75	1	6508.75	2	6896.22	1
3	KMH-1(CAH-1612)	6301.54	4	6117.91	5	4896.29	6	5771.91	5
4	PHM1801 (CAH1801)	6188.62	5	4993.49	8	4065.04	8	5082.39	8
5	TA 5084	6372.89	2	6028.41	6	4796.62	7	5732.64	6
6	Bio 9682 ©	6354.03	3	6339.1	4	6478.29	3	6390.47	3
7	CMH 08-282 ©	5490.72	8	7010.87	2	5484.96	4	5995.52	4
8	CMH 08-287 ©	6050.7	6	5320.59	7	5325.49	5	5565.59	7
	Location Mean	6160.48	.	6324.12	.	5521.62	.	6002.07	.
	CV (%)	12.96	.	9.99	.	12.61	.	11.86	.
	F (Prob)	0.82	.	0	.	0	.	0	.
	CD (5%)	1397.65	.	1106.27	.	1219.51	.	677.39	.
	CD (1%)	1939.86	.	1535.44	.	1692.62	.	905.63	.

Table No. 35: (Contd.) **Gain in Yield(%) over KMH-1(CAH-1612)**

S. No.	Entry	CWZ						Z_CWZ	
		Banswara_RJ		Chindwara_MP		Udaipur_Raj			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	CMH 12 -686	3.72	1	7.75	3	35.15	1	14.03	2
2	CMH 15-005	-4.96	7	33.88	1	32.93	2	19.48	1
3	KMH-1(CAH-1612)	0	4	0	5	0	6	0	5
4	PHM1801 (CAH1801)	-1.79	5	-18.38	8	-16.98	8	-11.95	8
5	TA 5084	1.13	2	-1.46	6	-2.04	7	-0.68	6
6	Bio 9682 ©	0.83	3	3.62	4	32.31	3	10.72	3
7	CMH 08-282 ©	-12.87	8	14.6	2	12.02	4	3.87	4
8	CMH 08-287 ©	-3.98	6	-13.03	7	8.77	5	-3.57	7

Table No. 35: (Contd.) Gain in Yield(%) over PHM1801 (CAH1801)

S. No.	Entry	CWZ						Z_CWZ	
		Banswara_RJ		Chindwara_MP		Udaipur_Raj			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	CMH 12 -686	5.62	1	32.01	3	62.79	1	29.5	2
2	CMH 15-005	-3.22	7	64.03	1	60.12	2	35.69	1
3	KMH-1(CAH-1612)	1.82	4	22.52	5	20.45	6	13.57	5
4	PHM1801 (CAH1801)	0	5	0	8	0	8	0	8
5	TA 5084	2.98	2	20.73	6	18	7	12.79	6
6	Bio 9682 ©	2.67	3	26.95	4	59.37	3	25.74	3
7	CMH 08-282 ©	-11.28	8	40.4	2	34.93	4	17.97	4
8	CMH 08-287 ©	-2.23	6	6.55	7	31.01	5	9.51	7

Table No. 35: (Contd.) Moisture (%)

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	17	12	18	16
2	CMH 15-005	17	14	18	16
3	KMH-1(CAH-1612)	18	11	16	15
4	PHM1801 (CAH1801)	17	13	16	15
5	TA 5084	17	13	16	16
6	Bio 9682 ©	17	15	18	17
7	CMH 08-282 ©	17	14	19	16
8	CMH 08-287 ©	17	14	16	16
	Location Mean	17	13	17	16
	CV (%)	0.5	9.1	0.0	4.1
	F (Prob)	0.0	0.0	0.0	0.0
	CD (5%)	0.2	2.1	0.0	0.6
	CD (1%)	0.2	2.9	0.0	0.8

Table No. 35: (Contd.) **Shelling (%)**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	75	79	81	78
2	CMH 15-005	76	84	82	80
3	KMH-1(CAH-1612)	75	85	80	80
4	PHM1801 (CAH1801)	76	74	80	77
5	TA 5084	75	85	80	80
6	Bio 9682 ©	77	75	82	78
7	CMH 08-282 ©	76	84	82	81
8	CMH 08-287 ©	75	76	80	77
	Location Mean	75	80	81	79
	CV (%)	1.2	4.0	0.0	2.4
	F (Prob)	0.1	0.0	0.0	0.0
	CD (5%)	1.6	5.6	0.0	1.8
	CD (1%)	2.2	7.8	0.0	2.4

Table No. 35: (Contd.) **Days to 50% Pollen Shed**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	55	58	53	56
2	CMH 15-005	54	59	54	56
3	KMH-1(CAH-1612)	55	59	56	57
4	PHM1801 (CAH1801)	54	58	56	56
5	TA 5084	55	57	56	56
6	Bio 9682 ©	56	58	54	56
7	CMH 08-282 ©	55	57	53	55
8	CMH 08-287 ©	53	58	54	55
	Location Mean	55	58	54	56
	CV (%)	1.4	1.3	2.2	1.7
	F (Prob)	0.0	0.0	0.0	0.0
	CD (5%)	1.3	1.4	2.1	0.9
	CD (1%)	1.8	1.9	2.9	1.2

Table No. 35: (Contd.) **Days to 50% Silking**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	58	59	55	58
2	CMH 15-005	57	60	56	58
3	KMH-1(CAH-1612)	58	60	57	58
4	PHM1801 (CAH1801)	57	60	58	58
5	TA 5084	58	57	57	57
6	Bio 9682 ©	59	60	56	58
7	CMH 08-282 ©	58	57	54	57
8	CMH 08-287 ©	56	59	55	57
	Location Mean	58	59	56	58
	CV (%)	1.3	1.3	1.8	1.5
	F (Prob)	0.0	0.0	0.0	0.0
	CD (5%)	1.3	1.4	1.7	0.8
	CD (1%)	1.8	1.9	2.4	1.1

Table No. 35: (Contd.) Days to 75% Dry Husk

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	94	97	92	94
2	CMH 15-005	94	97	92	95
3	KMH-1(CAH-1612)	94	98	94	95
4	PHM1801 (CAH1801)	93	97	94	95
5	TA 5084	94	97	94	95
6	Bio 9682 ©	95	98	93	95
7	CMH 08-282 ©	93	94	91	93
8	CMH 08-287 ©	92	97	91	94
	Location Mean	94	97	93	94
	CV (%)	1.3	1.0	1.2	1.2
	F (Prob)	0.5	0.0	0.0	0.0
	CD (5%)	2.2	1.7	1.9	1.0
	CD (1%)	3.0	2.4	2.7	1.4

Table No. 35: (Contd.) **Ears (Number)**

S. No.	Entry	CWZ		Z_CWZ
		Banswara_RJ	Chindwara_MP	
		Mean	Mean	Mean
1	CMH 12 -686	28	37	33
2	CMH 15-005	28	37	33
3	KMH-1(CAH-1612)	32	36	34
4	PHM1801 (CAH1801)	30	33	32
5	TA 5084	31	29	30
6	Bio 9682 ©	29	43	36
7	CMH 08-282 ©	30	35	33
8	CMH 08-287 ©	31	34	33
	Location Mean	30	36	33
	CV (%)	4.6	10.6	8.5
	F (Prob)	0.0	0.0	0.0
	CD (5%)	2.4	6.6	3.3
	CD (1%)	3.4	9.2	4.4

Table No. 35: (Contd.) Initial Plant Stand

S. No.	Entry	CWZ Banswara_RJ Mean	Z_CWZ Mean
1	CMH 12 -686	30	30
2	CMH 15-005	29	29
3	KMH-1(CAH-1612)	34	34
4	PHM1801 (CAH1801)	31	31
5	TA 5084	32	32
6	Bio 9682 ©	32	32
7	CMH 08-282 ©	32	32
8	CMH 08-287 ©	35	35
	Location Mean	32	32
	CV (%)	5.5	5.5
	F (Prob)	0.0	0.0
	CD (5%)	3.1	3.1
	CD (1%)	4.3	4.3

Table No. 35: (Contd.) **Final Plant Stand**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	60	66	70	65
2	CMH 15-005	59	62	65	62
3	KMH-1(CAH-1612)	67	62	67	65
4	PHM1801 (CAH1801)	63	61	62	62
5	TA 5084	64	52	62	59
6	Bio 9682 ©	62	67	64	64
7	CMH 08-282 ©	63	65	61	63
8	CMH 08-287 ©	66	62	65	64
	Location Mean	63	62	65	63
	CV (%)	4.6	7.9	9.3	7.5
	F (Prob)	0.1	0.1	0.6	0.1
	CD (5%)	5.0	8.5	10.6	4.5
	CD (1%)	7.0	11.8	14.6	6.0

Table No. 35: (Contd.) **Plant Height (cm)**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	270	177	230	226
2	CMH 15-005	257	197	237	230
3	KMH-1(CAH-1612)	233	153	207	198
4	PHM1801 (CAH1801)	260	156	212	209
5	TA 5084	262	157	207	208
6	Bio 9682 ©	247	170	227	215
7	CMH 08-282 ©	240	191	228	220
8	CMH 08-287 ©	253	198	238	230
	Location Mean	253	175	223	217
	CV (%)	10.0	3.3	8.3	8.4
	F (Prob)	0.7	0.0	0.3	0.0
	CD (5%)	44.1	10.2	32.3	17.4
	CD (1%)	61.1	14.2	44.8	23.3

Table No. 35: (Contd.) **Ear Height (cm)**

S. No.	Entry	CWZ			Z_CWZ
		Banswara_RJ	Chindwara_MP	Udaipur_Raj	
		Mean	Mean	Mean	Mean
1	CMH 12 -686	137	82	117	112
2	CMH 15-005	123	96	110	110
3	KMH-1(CAH-1612)	117	70	105	97
4	PHM1801 (CAH1801)	120	66	107	98
5	TA 5084	122	66	92	93
6	Bio 9682 ©	128	84	108	107
7	CMH 08-282 ©	110	91	113	105
8	CMH 08-287 ©	120	96	113	110
	Location Mean	122	81	108	104
	CV (%)	9.3	4.1	16.3	11.8
	F (Prob)	0.3	0.0	0.8	0.0
	CD (5%)	19.9	5.9	30.9	11.7
	CD (1%)	27.6	8.1	42.9	15.6

Table No. 36: Trial No. 455 OPV Zone 1 Yield (Kg/ha)

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		VPKAS_UK		Z_NHZ			
		Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank	Mean	Rank
1	L 300	7859.7	6.0	1338.8	8.0	4596.8	4.0	3763.6	2.0	2856.8	1.0	4083.2	4.0	4083.2	4.0
2	L 315	10748.3	1.0	4433.3	2.0	7710.6	1.0	3794.3	1.0	2448.6	3.0	5827.0	1.0	5827.0	1.0
3	MS 8-1	7479.0	7.0	2420.4	6.0	3745.6	5.0	3512.7	3.0	2676.6	2.0	3966.9	6.0	3966.9	6.0
4	MS4-1	7904.8	5.0	2069.1	7.0	1334.3	7.0	2356.3	8.0	2446.4	4.0	3222.2	8.0	3222.2	8.0
5	RCM 1-61	8739.1	3.0	4217.0	3.0	4671.6	3.0	2953.9	7.0	2332.9	5.0	4582.9	3.0	4582.9	3.0
6	RCM1-76	9135.9	2.0	4445.9	1.0	5228.4	2.0	2973.4	6.0	1847.4	8.0	4726.2	2.0	4726.2	2.0
7	Hemant (C)	6868.1	8.0	3739.0	4.0	1274.5	8.0	3493.5	4.0	2039.3	6.0	3482.9	7.0	3482.9	7.0
8	Vijay (C)	8563.3	4.0	2689.9	5.0	3298.2	6.0	3334.2	5.0	1994.5	7.0	3976.0	5.0	3976.0	5.0
	Location Mean	8412.3	.	3169.2	.	3982.5	.	3272.7	.	2330.3	.	4233.4	.	4233.4	.
	CV (%)	9.2	.	29.7	.	28.8	.	24.6	.	25.8	.	20.4	.	20.4	.
	F (Prob)	0.0	.	0.0	.	0.0	.	0.4	.	0.5	.	0.0	.	0.0	.
	CD (5%)	1359.7	.	1649.0	.	2006.3	.	1412.4	.	1050.9	.	629.2	.	629.2	.
	CD (1%)	1887.1	.	2288.6	.	2784.7	.	1960.3	.	1458.5	.	835.4	.	835.4	.

Table No. 36 (Contd.) **% superiority over Hemant (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	L 300	14.44	6	-64.19	8	260.67	4	7.73	2	40.09	1	17.23	4	17.23	4
2	L 315	56.49	1	18.57	2	504.99	1	8.61	1	20.07	3	67.3	1	67.3	1
3	MS 8-1	8.89	7	-35.27	6	193.89	5	0.55	3	31.25	2	13.9	6	13.9	6
4	MS4-1	15.09	5	-44.66	7	4.69	7	-32.55	8	19.96	4	-7.48	8	-7.48	8
5	RCM 1-61	27.24	3	12.78	3	266.54	3	-15.45	7	14.4	5	31.58	3	31.58	3
6	RCM1-76	33.02	2	18.9	1	310.23	2	-14.89	6	-9.41	8	35.7	2	35.7	2
7	Hemant (C)	0	8	0	4	0	8	0	4	0	6	0	7	0	7
8	Vijay (C)	24.68	4	-28.06	5	158.78	6	-4.56	5	-2.2	7	14.16	5	14.16	5

Table No. 36 (Contd.) **% superiority over Vijay (Check)**

S. No.	Entry	NHZ												All India	
		Bajuara_HP		Barapani_MG		Gossai_ASSAM		Kangra_HP		VPKAS_UK		Z_NHZ			
		Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank	Gain	Rank
1	L 300	-8.22	6	-50.23	8	39.37	4	12.88	2	43.24	1	2.69	4	2.69	4
2	L 315	25.52	1	64.81	2	133.78	1	13.8	1	22.77	3	46.55	1	46.55	1
3	MS 8-1	-12.66	7	-10.02	6	13.57	5	5.35	3	34.2	2	-0.23	6	-0.23	6
4	MS4-1	-7.69	5	-23.08	7	-59.54	7	-29.33	8	22.66	4	-18.96	8	-18.96	8
5	RCM 1-61	2.05	3	56.77	3	41.64	3	-11.41	7	16.97	5	15.26	3	15.26	3
6	RCM1-76	6.69	2	65.28	1	58.52	2	-10.82	6	-7.37	8	18.87	2	18.87	2
7	Hemant (C)	-19.8	8	39	4	-61.36	8	4.78	4	2.25	6	-12.4	7	-12.4	7
8	Vijay (C)	0	4	0	5	0	6	0	5	0	7	0	5	0	5

Table No. 36 (Contd.) **Moisture %**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	18	16	18	28	20	20	20
2	L 315	19	17	18	27	23	21	21
3	MS 8-1	19	17	18	28	22	21	21
4	MS4-1	19	17	18	26	20	20	20
5	RCM 1-61	19	16	18	29	21	20	20
6	RCM1-76	19	17	18	29	21	21	21
7	Hemant (C)	18	15	18	29	21	20	20
8	Vijay (C)	19	16	18	29	21	21	21
	Location Mean	19	16	18	28	21	20	20
	Location Mean	1.8	5.5	2.5	3.6	6.6	4.4	4.4
	F (Prob)	0.2	0.2	0.7	0.0	0.3	0.1	0.1
	CD (5%)	0.6	1.6	0.8	1.8	2.5	0.7	0.7
	CD (1%)	0.8	2.2	1.1	2.5	3.4	0.9	0.9

Table No. 36 (Contd.) **Shelling %**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	82	80	56	79	82	76	76
2	L 315	84	80	55	78	77	75	75
3	MS 8-1	81	80	55	76	74	73	73
4	MS4-1	87	80	50	75	73	73	73
5	RCM 1-61	85	80	55	75	77	74	74
6	RCM1-76	83	80	62	76	75	75	75
7	Hemant (C)	86	80	54	76	79	75	75
8	Vijay (C)	83	80	59	76	77	75	75
	Location Mean	84	80	56	76	77	75	75
	Location Mean	0.0	0.0	13.0	1.7	4.0	4.6	4.6
	F (Prob)	0.0	.	0.7	0.0	0.1	0.3	0.3
	CD (5%)	0.0	0.0	12.7	2.3	5.4	2.5	2.5
	CD (1%)	0.0	0.0	17.6	3.2	7.5	3.4	3.4

Table No. 36 (Contd.) **Days to 50% pollen shed**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	57	53	42	54	54	52	52
2	L 315	66	56	47	54	61	57	57
3	MS 8-1	65	57	47	58	60	57	57
4	MS4-1	65	55	48	59	62	58	58
5	RCM 1-61	63	55	47	55	60	56	56
6	RCM1-76	65	57	47	59	61	58	58
7	Hemant (C)	63	55	46	55	60	56	56
8	Vijay (C)	63	55	46	58	59	56	56
	Location Mean	64	55	46	57	60	56	56
	Location Mean	1.3	2.9	2.8	4.1	2.0	2.7	2.7
	F (Prob)	0.0	0.1	0.0	0.1	0.0	0.0	0.0
	CD (5%)	1.4	2.9	2.2	4.0	2.1	1.1	1.1
	CD (1%)	2.0	4.0	3.1	5.6	2.9	1.5	1.5

Table No. 36 (Contd.) **Days to 50% silking**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	60	56	45	57	56	55	55
2	L 315	69	59	50	57	62	60	60
3	MS 8-1	69	60	50	62	62	61	61
4	MS4-1	69	58	55	63	62	61	61
5	RCM 1-61	67	58	51	60	61	59	59
6	RCM1-76	68	60	53	62	63	61	61
7	Hemant (C)	66	59	52	60	62	60	60
8	Vijay (C)	67	58	52	62	62	60	60
	Location Mean	67	59	51	60	61	60	60
	Location Mean	1.8	2.7	3.6	4.0	2.0	2.9	2.9
	F (Prob)	0.0	0.1	0.0	0.1	0.0	0.0	0.0
	CD (5%)	2.1	2.8	3.2	4.2	2.1	1.2	1.2
	CD (1%)	2.9	3.9	4.4	5.9	3.0	1.6	1.6

Table No. 36 (Contd.) **Days to 75 % dry husk**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	98	123	95	100	92	101	101
2	L 315	106	127	105	99	97	107	107
3	MS 8-1	104	127	99	102	95	105	105
4	MS4-1	104	126	96	105	97	105	105
5	RCM 1-61	103	125	99	102	94	105	105
6	RCM1-76	105	128	96	103	97	106	106
7	Hemant (C)	102	126	96	101	96	104	104
8	Vijay (C)	104	126	95	103	95	105	105
	Location Mean	103	126	98	102	95	105	105
	Location Mean	1.3	1.5	4.3	2.5	3.4	2.6	2.6
	F (Prob)	0.0	0.1	0.1	0.2	0.6	0.0	0.0
	CD (5%)	2.3	3.3	7.3	4.5	5.7	2.0	2.0
	CD (1%)	3.2	4.5	10.1	6.2	8.0	2.6	2.6

Table No. 36 (Contd.)

Ears (Number)

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	37	20	50	56	29	38	38
2	L 315	36	35	51	47	32	40	40
3	MS 8-1	26	22	29	56	30	32	32
4	MS4-1	31	25	14	39	30	28	28
5	RCM 1-61	34	41	46	53	31	41	41
6	RCM1-76	32	36	45	55	28	39	39
7	Hemant (C)	29	39	13	54	28	33	33
8	Vijay (C)	33	30	35	57	29	37	37
	Location Mean	32	31	35	52	30	36	36
	Location Mean	10.1	19.9	17.4	16.2	6.8	15.3	15.3
	F (Prob)	0.0	0.0	0.0	0.2	0.3	0.0	0.0
	CD (5%)	5.7	10.8	10.8	14.8	3.5	4.0	4.0
	CD (1%)	7.9	15.0	14.9	20.5	4.9	5.3	5.3

Table No. 36 (Contd.) **Initial Plant Stand (Number/plot)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	37	28	59	60	32	43	43
2	L 315	37	39	56	50	34	43	43
3	MS 8-1	25	28	34	58	31	35	35
4	MS4-1	27	27	17	41	32	29	29
5	RCM 1-61	33	46	54	57	32	44	44
6	RCM1-76	32	40	49	57	30	42	42
7	Hemant (C)	29	42	21	57	32	36	36
8	Vijay (C)	33	37	41	59	32	41	41
	Location Mean	32	36	41	55	32	39	39
	Location Mean	10.2	17.5	14.5	15.8	5.7	14.6	14.6
	F (Prob)	0.0	0.0	0.0	0.2	0.3	0.0	0.0
	CD (5%)	5.6	11.0	10.5	15.2	3.2	4.2	4.2
	CD (1%)	7.8	15.2	14.6	21.1	4.4	5.5	5.5

Table No. 36 (Contd.) **Final Plant Stand (000/ha)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	81	29	117	81	41	70	70
2	L 315	82	49	112	67	45	71	71
3	MS 8-1	56	31	65	79	42	55	55
4	MS4-1	59	36	31	55	42	44	44
5	RCM 1-61	73	58	108	76	44	72	72
6	RCM1-76	71	50	98	78	41	67	67
7	Hemant (C)	65	56	36	76	42	55	55
8	Vijay (C)	73	45	81	80	42	64	64
	Location Mean	70	44	81	74	42	62	62
	Location Mean	10.1	19.2	15.6	16.8	4.3	15.0	15.0
	F (Prob)	0.0	0.0	0.0	0.2	0.1	0.0	0.0
	CD (5%)	12.4	14.9	22.1	21.7	3.2	6.8	6.8
	CD (1%)	17.2	20.6	30.6	30.2	4.4	9.1	9.1

Table No. 36 (Contd.) **Plant Height (cm)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	198	224	160	266	220	214	214
2	L 315	225	234	184	273	248	233	233
3	MS 8-1	242	257	190	289	273	250	250
4	MS4-1	225	256	175	286	237	236	236
5	RCM 1-61	223	260	185	272	270	242	242
6	RCM1-76	247	263	202	287	265	253	253
7	Hemant (C)	232	289	187	282	268	252	252
8	Vijay (C)	233	267	194	269	293	251	251
	Location Mean	228	256	185	278	259	241	241
	Location Mean	6.5	9.0	7.0	7.2	8.4	7.9	7.9
	F (Prob)	0.0	0.1	0.0	0.7	0.0	0.0	0.0
	CD (5%)	26.0	40.4	22.5	35.2	38.4	13.8	13.8
	CD (1%)	36.1	56.0	31.3	48.8	53.2	18.3	18.3

Table No. 36 (Contd.) **Ear Height (cm)**

S. No.	Entry	NHZ						All India
		Bajuara_HP	Barapani_MG	Gossai_ASSAM	Kangra_HP	VPKAS_UK	Z_NHZ	
		Mean	Mean	Mean	Mean	Mean	Mean	Mean
1	L 300	92	100	70	133	115	102	102
2	L 315	112	113	87	137	128	115	115
3	MS 8-1	125	126	89	144	152	127	127
4	MS4-1	108	106	73	143	135	113	113
5	RCM 1-61	118	131	89	135	143	123	123
6	RCM1-76	143	141	102	143	147	135	135
7	Hemant (C)	130	148	94	141	172	137	137
8	Vijay (C)	117	142	99	134	160	130	130
	Location Mea	118	126	88	139	144	123	123
	Location Mean	12.0	12.8	8.2	7.0	17.4	12.8	12.8
	F (Prob)	0.0	0.0	0.0	0.7	0.2	0.0	0.0
	CD (5%)	24.7	28.1	12.6	17.1	43.8	11.4	11.4
	CD (1%)	34.3	39.0	17.5	23.8	60.7	15.2	15.2

Experiment ID:538

1

NIVT Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	LMH 3817	30029	30060	30130
2	LMH 3917	30015	30071	30133
3	LMH 4017	30035	30050	30127
4	KMH 17-38	30009	30073	30132
5	KMH 17-89	30032	30074	30125
6	HKH-365	30000	30082	30126
7	EH-3369	30021	30051	30107
8	EH-2936	30007	30075	30131
9	DH-318	30018	30068	30108
10	DH-319	30014	30067	30110
11	JH 31950	30006	30079	30120
12	JH 32014	30001	30084	30102
13	JH 32055	30026	30053	30104
14	JH 32056	30010	30085	30105
15	JH 32057	30028	30063	30118
16	JH 32094	30005	30058	30122
17	RCRMH10(CAH1704)	30025	30065	30123
18	RCRMH11(CAH1705)	30016	30078	30112
19	FH3879	30013	30083	30113
20	X104	30030	30062	30128
21	VIRAT	30017	30069	30106
22	FH3861	30002	30061	30115
23	FH3875	30004	30056	30109
24	FH3864	30033	30080	30114
25	AH 1619	30022	30059	30100
26	IMHVS-004	30011	30081	30103
27	IMHSB-18K-01	30020	30055	30111
28	AH8181	30003	30054	30119
29	IMHVS-003	30034	30072	30134
30	AH8106	30023	30052	30129
31	REH2016-1	30008	30070	30135
32	PMH 5 ©	30024	30057	30101
33	BIO 605 ©	30031	30076	30116
34	DKC 7074 ©	30012	30077	30121
35	VIVEK MAIZE HYBRID 45 ©	30027	30064	30124
36	VIVEK MAIZE HYBRID 51 ©	30019	30066	30117

Experiment ID:442

1

NIVT Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	DH 318	1008	1072	1108
2	DH 319	1022	1066	1114
3	FH 3875	1012	1071	1105
4	FH 3879	1004	1055	1104
5	KMH 17-38	1005	1053	1109
6	KDMH-117	1002	1073	1110
7	VIVEK HYB-51 (CHECK)	1001	1070	1123
8	VIVEK HYB-45 (CHECK)	1013	1062	1121
9	AH8181	1009	1054	1101
10	AH 8106	1019	1061	1120
11	LMH 4017	1023	1051	1116
12	LMH 3917	1010	1059	1117
13	LMH 3817	1021	1065	1112
14	FH 3864	1020	1068	1107
15	FH 3861	1015	1057	1111
16	KMH 17-89	1016	1058	1118
17	PMH5 (CHECK)	1003	1064	1103
18	BIO 605 (CHECK)	1017	1067	1122
19	MCRS-MH3	1014	1069	1115
20	HKH 365	1018	1063	1106
21	GEMH 16208	1011	1060	1102
22	X 104	1007	1052	1119
23	DKC7074 (CHECK)	1006	1056	1113

Experiment ID:541

1

NIVT Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	LMH 3117	32030	32783	33607
2	LMH 1417	32037	32834	33620
3	LMH 1217	32016	32799	33614
4	LMH 3417	32058	32786	33565
5	KMH 17-105	32039	32826	33634
6	KMH 17-6	32018	32851	33623
7	HKH-369	32002	32850	33631
8	HKH-368	32021	32818	33563
9	VaMH 15015	32012	32806	33605
10	OMH 17-47	32053	32832	33630
11	CAH1511	32049	32792	33632
12	ZH161032	32029	32808	33593
13	VH11130	32027	32814	33613
14	DH-316	32006	32787	33566
15	DH-317	32031	32780	33612
16	MMH18-11	32033	32855	33580
17	MMH18-12	32051	32824	33587
18	RCRMH7(ZH138286)	32067	32789	33636
19	RCRMH9(CAH171294)	32040	32811	33627
20	BH416032	32075	32800	33569
21	BH416215	32065	32816	33601
22	BH416067	32047	32809	33594
23	IH-1604	32024	32788	33602
24	IH-0965	32050	32815	33592
25	KNMH-4181	32022	32817	33600
26	KNMH-4182	32062	32795	33603
27	KNMH-4183	32020	32842	33589
28	KNMH-4184	32036	32843	33637
29	HT18607	32046	32812	33610
30	INDAM 1118	32077	32819	33622
31	JKMH1518	32060	32837	33615
32	MMH-1708	32056	32839	33616
33	SYN816604	32057	32790	33619
34	KMH-004	32015	32794	33582
35	TS2506	32038	32822	33583
36	PM18107M	32023	32803	33608
37	PM18108M	32070	32827	33624
38	BLH136	32032	32810	33576
39	CMH2525	32074	32813	33617
40	CMH2425	32059	32791	33626
41	TMMH886	32042	32857	33604
42	IS8425(DKC9194)	32066	32797	33599

43	IS8723(DKC9190)	32028	32823	33579
44	IS8640(DKC9198)	32011	32847	33621
45	IS8249(DKC8191)	32009	32844	33578
46	NAVNEET	32068	32807	33577
47	TUFAN	32055	32856	33596
48	MM9309	32069	32829	33570
49	H1013	32025	32802	33598
50	IMHL-K-2	32073	32846	33581
51	AH 4158	32041	32830	33588
52	AH 4271	32000	32833	33609
53	IMHSB-18K-2	32048	32854	33629
54	IMHSB-18K-5	32044	32835	33562
55	IMHSB-18K-6	32072	32853	33635
56	IMHSB-18K-9	32001	32804	33571
57	IMHSB-18K-11	32071	32845	33574
58	AH8070	32014	32785	33625
59	AH8071	32063	32798	33575
60	IMHSB-18K-8	32026	32784	33628
61	IMHVS-002	32019	32840	33586
62	IMHVS-001	32043	32805	33597
63	IMHSB-18K-15	32054	32796	33633
64	IMHSB-18K-18	32004	32831	33584
65	IMHSB-18K-04	32061	32849	33561
66	IMHSB-18K-13	32064	32782	33564
67	IMHSB-18K-03	32005	32821	33585
68	IMHSB-18K-07	32076	32838	33606
69	IMHSB-18K-12	32035	32848	33618
70	IMHL-K-1	32010	32841	33572
71	IMHSB-18K-14	32007	32852	33595
72	IMHL-K-3	32008	32781	33573
73	IMHSB-18K-10	32045	32793	33567
74	IMHSB-18K-16	32013	32836	33560
75	CMH-08-292 (C)	32003	32828	33611
76	BIO 9544 (C)	32034	32801	33591
77	DHM-121 (C)	32052	32825	33568
78	DHM -117 (FILLER)	32017	32820	33590

Experiment ID:432

1

NIVT Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	HT 18607	2005	2067	2105
2	AH 8071 R	2016	2068	2122
3	AH 8070	2000	2064	2112
4	HKH 368	2001	2071	2118
5	HKH 369	2010	2066	2117
6	KNMH 4183	2003	2051	2120
7	KNMH4181	2021	2079	2129
8	KNMH 4182	2008	2077	2103
9	KNMH 4184	2022	2069	2100
10	LMH 1217	2019	2075	2128
11	LMH 3417	2009	2053	2106
12	BIO 9544 (Check)	2002	2070	2102
13	DHM 121 (Check)	2018	2057	2109
14	KMH 17-105	2007	2055	2101
15	KMH 17-6	2012	2073	2111
16	DH-316	2025	2062	2124
17	DH-317	2004	2050	2107
18	CMH 08-292 Check	2020	2072	2114
19	LMH 1417	2014	2052	2116
20	LMH 3117	2011	2065	2126
21	H 1013	2013	2060	2123
22	DKC9190	2026	2076	2121
23	DKC9194	2023	2063	2113
24	DKC 8191	2028	2078	2115
25	DKC 9198	2006	2054	2110
26	VaMH 15015	2027	2061	2127
27	BH416032	2024	2074	2108
28	BH416215	2017	2059	2125
29	BH416067	2029	2056	2104
30	LMH3217 (Filler)	2015	2058	2119

1

NIVT Normal maize

Location: Bajuara_HP

Replication 1	
Block 1	
Exp. Unit	**Treatment**

Experiment ID:543

1

NIVT Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	HKH-366	36019	36643	37322
2	CMH14-716	36037	36645	37312
3	CMH14-722	36050	36689	37261
4	JH 15002	36036	36638	37303
5	JH 16026	36008	36668	37274
6	JH 16224	36023	36647	37295
7	JH 17014	36030	36678	37289
8	JH 17026	36034	36633	37309
9	JH 17029	36040	36670	37294
10	OMH 17-2	36001	36649	37293
11	KMH-1(CAH1612)	36014	36637	37317
12	BRMH-16039	36033	36685	37310
13	DH-315	36007	36659	37263
14	MFH18-13	36020	36642	37280
15	MFH18-14	36024	36682	37308
16	BH416112	36015	36677	37298
17	KNMH-4185	36048	36675	37265
18	KNMH-4187	36059	36632	37275
19	PHM1801 (CAH1801)	36011	36634	37279
20	QMH1571	36051	36683	37269
21	QMH 1590	36060	36681	37300
22	MAH-14-138	36044	36686	37285
23	MAH-14-239	36028	36636	37301
24	HT18007	36016	36648	37264
25	Rasi 70197	36047	36688	37307
26	Rasi 4992	36062	36635	37290
27	CP808 SUPER	36004	36662	37271
28	GK3124	36027	36651	37286
29	GK3164	36002	36644	37305
30	JKMH1581	36043	36640	37260
31	SYN816514	36009	36674	37276
32	KMH-005	36052	36690	37272
33	X5826	36005	36656	37283
34	X5873	36010	36660	37282
35	TS2505	36058	36655	37316
36	TS2601	36021	36630	37318
37	PM18101L	36041	36652	37281
38	PM18102L	36026	36692	37302
39	PM18103L	36061	36679	37270
40	PM18104L	36018	36664	37268

41	PM18105L	36055	36657	37314
42	PM18106L	36049	36667	37311
43	BLH135	36056	36665	37278
44	BLH137	36042	36680	37267
45	SUPER-4050	36045	36666	37291
46	MM2033	36017	36687	37297
47	MM2828	36046	36691	37306
48	STARX-5	36031	36658	37284
49	FAUJI	36029	36639	37313
50	ADV 7132	36038	36676	37296
51	MM9207	36003	36673	37277
52	AH 1625	36032	36669	37288
53	BIO 534	36006	36663	37262
54	BIO 536	36039	36684	37273
55	AH 8087	36054	36631	37304
56	AH 8323	36025	36650	37287
57	IMHVS-005	36022	36654	37319
58	IMHSB-17K-08	36057	36671	37321
59	CMH 08-287 ©	36013	36641	37299
60	CMH 08-282 ©	36000	36653	37266
61	BIO 9682 ©	36035	36646	37292
62	NK 6240 ©	36012	36661	37315
63	Filler (DHM-117)	36053	36672	37320

1

NIVT Normal maize

Location: Ambikapur_CG

Replication 1	
Block 1	
Exp. Unit	**Treatment**
1	36042
2	36016
3	36000
4	36055
5	36002
6	36033
7	36054
8	36015
9	36030
Block 2	
Exp. Unit	**Treatment**
1	36036
2	36027
3	36005
4	36051
5	36022

Experiment ID:493

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	KMH-16-29	11015	11059	11106
2	NMH-4053	11013	11064	11110
3	KMH-16-25	11007	11054	11115
4	KMH-16-40	11014	11062	11105
5	KMH-16-42	11012	11058	11102
6	LMH 1016	11011	11053	11109
7	INDAM 1122	11001	11065	11112
8	JKMH15303	11002	11056	11103
9	PM17102M	11005	11057	11104
10	DKC8181(IR8004)	11010	11063	11108
11	IMHBG-17K-15	11006	11051	11113
12	DKC7173(1Q7802)	11009	11055	11107
13	Bio 9544 (C)	11008	11052	11111
14	CMH-08-292 (C)	11003	11060	11101
15	DHM-121 (C)	11004	11061	11114

Experiment ID:496

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	BLH118	11211	11254	11305
2	BH415100	11208	11257	11301
3	NMH 4053	11210	11256	11308
4	IMHBG-17K-6	11204	11253	11302
5	IMHBG-17K-22	11206	11252	11307
6	JH 16045	11201	11258	11309
7	AH 1606	11209	11260	11311
8	Bio 9544 (C)	11205	11251	11303
9	CMH-08-292 (C)	11202	11259	11310
10	DHM 121 (C)	11207	11255	11306
11	JKMH4157	11203	11261	11304

Experiment ID:502

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 31983	12004	12055	12104
2	AH 7080	12005	12052	12106
3	DKC 7074 (C)	12001	12051	12105
4	BIO 605 (C)	12003	12056	12107
5	PMH 5 (C)	12002	12057	12103
6	Vivek hybrid 51 (C)	12007	12053	12101
7	Vivek hybrid 45 (C)	12006	12054	12102

Experiment ID:508

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 16040	13003	13065	13121
2	JH 16041	13007	13054	13114
3	JH 16081	13018	13069	13115
4	JH 13278	13002	13061	13113
5	JH 15011	13012	13051	13105
6	JH 15130	13013	13063	13117
7	HT17169	13001	13057	13122
8	CP 858	13009	13056	13119
9	CP777	13014	13052	13103
10	JKMH150375	13020	13062	13116
11	KMH-463	13015	13072	13112
12	B-57	13016	13058	13110
13	SUPER1818	13006	13066	13111
14	DKC9185(IR8449)	13005	13067	13108
15	ADV1390164	13004	13060	13118
16	BIO 218	13008	13068	13101
17	BIO 9682 (C)	13022	13059	13106
18	CMH 08-287 (C)	13021	13071	13107
19	CMH 08-282 (C)	13010	13055	13102
20	JKMH4152	13019	13064	13109
21	PM16103L	13011	13053	13104
22	DKC 9178	13017	13070	13120

Experiment ID:498

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	LMH 1017	11402	11454	11506
2	JKMH15303	11406	11452	11503
3	Bio 9544 (C)	11401	11455	11504
4	CMH 08-292 (C)	11403	11457	11507
5	DHM 121 (C)	11407	11453	11502
6	DKC8174(IQ8319)	11405	11456	11501
7	DHM 117 (FILLER)	11404	11451	11505

Experiment ID:505

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 31947	12203	12255	12307
2	DKC 7074 (C)	12207	12254	12306
3	BIO 605 (C)	12202	12256	12305
4	PMH 5 (C)	12206	12252	12302
5	Vivek hybrid 45 (c)	12204	12253	12304
6	Vivek hybrid 51 (C)	12205	12257	12301
7	DHM 117 (FILLER)	12201	12251	12303

Experiment ID:509

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 16041	13212	13256	13304
2	JH 16081	13210	13254	13302
3	JH 16209	13201	13260	13307
4	JH 16118	13204	13259	13312
5	RASI 3499	13202	13258	13308
6	CP 858	13206	13262	13301
7	DKC 9189 (IR8545)	13203	13255	13305
8	DKC 9185 (IR8449)	13205	13253	13303
9	BIO 218	13211	13263	13306
10	AH 8183	13209	13252	13309
11	BIO 9682 (C)	13213	13257	13313
12	CMH 08-287 (C)	13208	13251	13310
13	CMH 08-282 (C)	13207	13261	13311

Experiment ID:499

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	NMH-4053	11603	11654	11701
2	INDAM 1122	11602	11653	11708
3	JKMH15303	11609	11656	11709
4	BLH118	11608	11652	11707
5	ADV 140187	11610	11651	11704
6	ADV 140235	11601	11660	11710
7	Bio 9544 (C)	11604	11657	11702
8	CMH 08-292 (C)	11607	11655	11706
9	DHM 121 (C)	11606	11658	11705
10	DKC9179(IQ8627)	11605	11659	11703

Experiment ID:506

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 31947	12407	12456	12501
2	DKC 7074 (C)	12403	12451	12502
3	BIO 605 (C)	12404	12455	12507
4	PMH 5 (C)	12401	12457	12503
5	Vivek hybrid 45 (c)	12406	12452	12506
6	Vivek hybrid 51 (C)	12402	12453	12504
7	DHM 117 (FILLER)	12405	12454	12505

Experiment ID:510

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 15130	13407	13453	13504
2	JH 15135	13409	13458	13505
3	JKMH 150375	13408	13451	13510
4	DKC 9185 (IR8449)	13403	13460	13502
5	ADV 1390064	13404	13455	13503
6	BIO 9682 (C)	13402	13454	13509
7	CMH 08-287 (C)	13406	13452	13506
8	CMH 08-282 (C)	13410	13457	13501
9	DKC 9178	13401	13456	13508
10	BIO 716	13405	13459	13507

Experiment ID:500

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	EH-2906	11806	11856	11903
2	BLH118	11807	11858	11901
3	Bio 9544 (C)	11809	11851	11907
4	CMH 08-292 (C)	11805	11854	11908
5	DHM 121 (C)	11803	11855	11905
6	JKMH1414	11804	11853	11904
7	DKC8174(IQ8319)	11808	11852	11902
8	DKC9179(IQ8627)	11802	11857	11906
9	RCRMH-2	11801	11859	11909

Experiment ID:507

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 31947	12605	12652	12706
2	JH 32010	12609	12657	12705
3	DH-313	12603	12660	12703
4	FH-3823	12604	12653	12704
5	EH2891	12602	12655	12709
6	DKC 7074 (C)	12610	12659	12707
7	BIO 605 (C)	12601	12656	12701
8	PMH 5 (C)	12606	12658	12710
9	VIVEK hybrid 45 (C)	12607	12651	12702
10	Vivek hybrid 51 (C)	12608	12654	12708

Experiment ID:511

1

AVT-I and AVT-II Normal maize

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	JH 16040	13607	13655	13707
2	JH 16081	13606	13652	13704
3	HT17169	13603	13653	13703
4	SUPER1818	13605	13656	13701
5	DKC9185(IR8449)	13601	13658	13702
6	BIO 218	13604	13654	13708
7	BIO 9682 (C)	13602	13651	13706
8	CMH 08-287 (C)	13609	13659	13709
9	CMH 08-282 (C)	13608	13657	13705

Experiment ID:438

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	APQH 5	3010	3053	3105
2	PPH27	3005	3057	3107
3	HQPM 1 (Check)	3013	3058	3115
4	HQPM5 (Check)	3003	3055	3106
5	HQPM 7 (Check)	3015	3051	3111
6	EHQ 64	3001	3059	3110
7	EHQ 640	3011	3060	3112
8	LQPMH 118	3007	3064	3114
9	IMHQPM 1530	3002	3054	3103
10	APQH 1	3006	3062	3113
11	APH 1	3009	3052	3108
12	APH 2	3004	3063	3109
13	Vivek Hybrid 27 (Check)	3012	3065	3101
14	APQH 9 (Check)	3014	3061	3102
15	Vivek QPM 9 (Check)	3008	3056	3104

Experiment ID:512

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	EHQ-64	14008	14056	14102
2	EHQ-640	14018	14058	14105
3	KDQH-55(CAH1824)	14002	14068	14107
4	QPMMH-41	14004	14067	14101
5	APQH5(QPM+PRO-A)	14005	14057	14112
6	APQH1(QPM+PRO-A)	14015	14051	14121
7	FQH-140	14017	14069	14103
8	FQH-148	14001	14053	14113
9	APH 2	14003	14054	14116
10	QPMMH 27	14010	14063	14109
11	IIMRQPMH 1708	14022	14059	14117
12	IIMRQPMH 1601	14011	14064	14106
13	IQPMH-18-1	14013	14066	14108
14	IQPMH-18-2	14021	14072	14115
15	IQPMH-18-3	14012	14061	14122
16	IQPMH-18-4	14019	14055	14111
17	IQPMH-18-5	14006	14065	14110
18	HQPM I (C)	14007	14060	14114
19	HQPM 5 (C)	14014	14052	14118
20	QQPMH 14153	14009	14062	14120
21	Pratap QPM Hybrid 1 (C)	14016	14071	14104
22	APQH 9 (C)	14020	14070	14119

Experiment ID:515

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	EHQ-640	14220	14266	14308
2	KDQH-55(CAH1824)	14216	14271	14319
3	QPMMH-41	14214	14268	14307
4	APQH5(QPM+PRO-A)	14206	14267	14318
5	APH27(PRO-A)	14219	14256	14302
6	APQH1(QPM+PRO-A)	14211	14252	14304
7	FQH-140	14221	14265	14309
8	FQH-148	14204	14269	14305
9	QQPMH-14153	14213	14257	14312
10	APH2	14202	14264	14311
11	APH 1	14215	14263	14306
12	IQPMH-18-1	14207	14258	14303
13	IQPMH-18-2	14212	14253	14314
14	IQPMH-18-3	14208	14260	14301
15	IQPMH-18-4	14205	14259	14320
16	IQPMH-18-5	14203	14255	14316
17	HQPM 5 (C)	14209	14261	14317
18	Pratap QPM Hybrid 1 (C)	14201	14270	14313
19	Vivek hybrid 27 (C)	14210	14254	14315
20	APQH 9 (C)	14218	14251	14310
21	HQPM I	14217	14262	14321

Experiment ID:516

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	EHQ-640	14414	14469	14515
2	KDQH-55(CAH1824)	14403	14475	14506
3	QPMMH-41	14413	14459	14500
4	APQH5(QPM+PRO-A)	14400	14467	14518
5	APQH7 (QPM+PRO-A)	14407	14461	14511
6	APQH1(QPM+PRO-A)	14425	14454	14503
7	FQH-140	14406	14457	14504
8	FQH-148	14405	14453	14516
9	QQPMH-14153	14423	14473	14524
10	QQPMH-14191	14401	14452	14501
11	APH 1	14409	14458	14507
12	APH 2	14415	14468	14519
13	IQPMH-18-1	14426	14476	14526
14	IQPMH-18-2	14412	14455	14523
15	IQPMH-18-3	14404	14465	14514
16	IQPMH-18-4	14417	14474	14517
17	IQPMH-18-5	14421	14460	14521
18	APQH 8 (QPM+Pro A)	14408	14451	14512
19	HQPM I (C)	14410	14463	14505
20	HQPM 5 (C)	14422	14456	14525
21	HQPM 7 (C)	14411	14464	14510
22	Pratap QPM hyrid 1 (C)	14419	14470	14509
23	Vivek hybrid 27 (C)	14402	14466	14520
24	APQH 9 (C)	14424	14450	14508
25	APH 27 (PRO-A)	14418	14462	14513
26	Pusa HM 8 (C)	14416	14472	14522
27	DHM 117 (Filler)	14420	14471	14502

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QPM

Location: Arbhavi_KR

Replication 1	

Experiment ID:517

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	EHQ-640	14606	14659	14705
2	KDQH-55(CAH1824)	14611	14662	14711
3	QPMMH-41	14617	14668	14715
4	APQH5(QPM+PRO A)	14615	14669	14714
5	APQH1(QPM+PRO A)	14602	14660	14706
6	FQH-140	14601	14665	14707
7	FQH-148	14619	14656	14702
8	QQPMH-14153	14613	14653	14708
9	QQPMH-14191	14614	14651	14713
10	APH2	14610	14654	14716
11	IIMRQPMH 1705	14608	14652	14718
12	IQPMH-18-1	14605	14663	14712
13	IQPMH-18-2	14603	14664	14710
14	IQPMH-18-3	14604	14667	14703
15	IQPMH-18-4	14609	14666	14719
16	IQPMH-18-5	14612	14657	14709
17	HQPM I (C)	14618	14670	14717
18	HQPM 5 (C)	14616	14658	14704
19	Pratap QPM Hybrid 1 (C)	14607	14661	14720
20	APQH 9 (C)	14620	14655	14701

Experiment ID:441

1

Babycorn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	CMVL BC2(CHECK)	6007	6055	6107
2	AH 7043	6006	6051	6104
3	AH 5021	6002	6057	6106
4	AH 7204	6001	6053	6105
5	LMH 3517	6003	6052	6102
6	Babycorn 1011	6004	6056	6101
7	PAC 321	6005	6054	6103

Experiment ID:523

1

Babycorn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	LMH 3517	16202	16256	16306
2	PMH 2	16205	16257	16303
3	PAC321	16201	16254	16305
4	AH 7204	16204	16258	16301
5	AH-7188	16203	16252	16308
6	AH-7043	16208	16251	16307
7	AH-5021	16207	16255	16302
8	VL Baby corn 2 (C)	16206	16253	16304

Experiment ID:440

1

Popcorn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	APCH 2	5001	5055	5102
2	Shalimar Popcorn KDPC-2 (Check)	5006	5052	5101
3	VL Amber Popcorn (Check)	5002	5051	5103
4	APCH 3	5003	5056	5104
5	H1012	5004	5054	5105
6	DPCH 306	5005	5053	5106

Experiment ID:520

1

Popcorn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	IHPC-1201	15208	15252	15302
2	IHPC-1203	15206	15254	15301
3	APCH 2	15209	15256	15305
4	APCH 3	15203	15253	15308
5	DPCH-306 (Filler)	15202	15259	15307
6	REHPC2015-2 (Filler)	15201	15255	15304
7	VL Amber pop corn (c)	15204	15251	15306
8	Shalimar pop corn(c)	15207	15257	15303
9	H 1012	15205	15258	15309

Experiment ID:439

1

Sweet corn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	DSCH-320	4008	4055	4102
2	FSCH 119	4002	4052	4101
3	LSCH 118	4005	4058	4108
4	NUZI 205	4003	4051	4104
5	CMVL SC 1 (Check)	4007	4056	4106
6	Misthi (Check)	4004	4054	4103
7	BSCH416086	4001	4053	4105
8	BSCH416078	4006	4057	4107

Experiment ID:526

1

Sweet corn

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	DSCH-320	17206	17251	17304
2	NUZI 260	17209	17258	17308
3	NUZI 205	17211	17259	17306
4	TOP SWEET	17205	17254	17307
5	SUGAR SWEET	17201	17255	17309
6	BSCH 416086	17207	17256	17301
7	BSCH 416078	17202	17257	17302
8	FSCH-119	17208	17260	17311
9	BIO 4043	17204	17253	17310
10	Misthi (C)	17203	17252	17305
11	VL SWEET CORN (C)	17210	17261	17303

Experiment ID:527

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	VaMH 15036	18007	18057	18107
2	VaMH 16008	18011	18051	18108
3	OMH 17-47	18005	18055	18104
4	CAH1511	18006	18059	18114
5	ZH161032	18003	18054	18102
6	RCRMH7(ZH138388)	18013	18061	18110
7	RCRMH9(CAH178391)	18012	18056	18115
8	VaMH 15028	18010	18064	18105
9	ADH 1608	18009	18065	18112
10	ADH 8070	18004	18053	18109
11	ADH1620	18001	18060	18103
12	AH 8178	18015	18063	18106
13	CMH 08-292 (C)	18014	18052	18111
14	BIO 9544 (C)	18008	18058	18113
15	DHM-121 (C)	18002	18062	18101

Experiment ID:528

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	VaMH 15036	18205	18256	18303
2	VaMH 16008	18213	18261	18305
3	OMH 17-47	18208	18251	18308
4	CAH1511	18209	18255	18312
5	ZH161032	18210	18259	18306
6	RCRMH7(ZH138382)	18207	18263	18310
7	RCRMH9(CAH17820)	18201	18260	18302
8	ADH 1608	18202	18252	18309
9	ADH 8070	18212	18257	18313
10	AH 8178	18203	18258	18301
11	CMH 08 292 (C)	18206	18262	18307
12	BIO 9544 (C)	18211	18253	18304
13	DHM 121 (C)	18204	18254	18311

Experiment ID:529

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	KDM-115	18406	18456	18509
2	RCRMH10(CAH174)	18410	18453	18510
3	RCRMH11(CAH174)	18402	18454	18508
4	ADH 1619	18404	18459	18504
5	AH 8127	18405	18460	18501
6	ADH 8106	18403	18455	18505
7	Vivek maize hybrid 45	18401	18452	18502
8	Vivek maize hybrid 51	18411	18451	18503
9	DKC 7074 (c)	18408	18457	18511
10	BIO 605 (c)	18407	18461	18507
11	PMH 15 (c)	18409	18458	18506

Experiment ID:530

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	KDM-115	18606	18660	18703
2	RCRMH10(CAH 1740)	18609	18653	18707
3	RCRMH11(CAH 1750)	18601	18662	18708
4	ADH 1619	18611	18652	18706
5	DMRH1417	18602	18657	18711
6	AH 8127	18605	18659	18704
7	ADH 8106	18604	18651	18705
8	Vivek hybrid 45	18607	18658	18701
9	OMH 14-27	18603	18661	18702
10	DKC 7074 (C)	18608	18655	18712
11	BIO 605 (C)	18610	18656	18709
12	PMH 15 (C)	18612	18654	18710

Experiment ID:531

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	KMH-1(CAH-1612)	18805	18855	18907
2	TA 5084 (Late)	18802	18857	18905
3	PHM1801 (CAH1801)	18804	18856	18904
4	CMH 15-005	18803	18851	18903
5	CMH 08-287 (C)	18807	18852	18901
6	CMH 08-282 (C)	18806	18853	18902
7	BIO 9682 (C)	18801	18854	18906

Experiment ID:532

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	KMH-1(CAH-1612)	19004	19053	19103
2	PHM1801 (CAH1801)	19002	19055	19105
3	CMH 15-005	19001	19051	19106
4	CMH 08-287 ©	19007	19056	19101
5	CMH 08-282 ©	19003	19052	19102
6	Bio 9682 ©	19006	19058	19104
7	TA 5084	19008	19057	19108
8	CMH 12 -686	19005	19054	19107

Experiment ID:455

1

Germplasm Evaluation

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	Vijay (Check)	1507	1557	1608
2	RCM 1-61	1506	1553	1604
3	MS4-1	1508	1558	1605
4	MS 8-1	1504	1552	1607
5	L 300	1502	1551	1602
6	Hemant (Check)	1505	1556	1601
7	L 315	1503	1555	1606
8	RCM1-76	1501	1554	1603

Experiment ID:537

1

QPM

Treatment Details with Random Coding

Sr.No.	Treatment	Replication1	Replication2	Replication3
1	IMHQPM 1530	20007	20054	20102
2	QPM MH 27	20005	20056	20101
3	IIMRQPMH 1601	20003	20055	20108
4	APQH 5	20010	20060	20110
5	APQH 7	20006	20052	20103
6	APH27	20002	20059	20105
7	Vivek QPM 9 (C)	20013	20057	20107
8	HQPM 1 (C)	20011	20063	20106
9	HQPM 5 (C)	20001	20061	20112
10	HQPM 7 (C)	20004	20058	20113
11	Vivek Hybrid-27 (C)	20008	20051	20111
12	APQH 9 (C)	20009	20053	20104
13	Pratap QPM hybrid 1 (Filler)	20012	20062	20109

AGRONOMY

Table No.	Contents	Page No.
	Maize Agronomy Trial (MAT)	
MAT-1: Performance of pre-release genotypes under varying planting density and nutrient levels.		
1	Performance of pre release late maturity genotypes in Kharif under varying planting density and nutrients levels North West Plain Zone (NWPZ).	A-4
2	Performance of pre release late maturity genotypes in Kharif under varying planting density and nutrients levels Peninsular Zone (PZ).	A-9
3	Performance of pre release medium maturity genotypes in Kharif under varying planting density and nutrients levels North West Plain Zone (NWPZ).	A-16
4	Performance of pre release medium maturity genotypes in Kharif under varying planting density and nutrients levels North East Plain Zone (NEPZ).	A-21
5	Performance of pre release medium maturity genotypes in Kharif under varying planting density and nutrients levels Peninsular Zone (PZ).	A-26
6	Performance of pre release medium maturity genotypes in Kharif under varying planting density and nutrients levels Central West Zone (CWZ).	A-38
7	Performance of pre release QPM genotypes in Kharif under varying planting density and nutrients levels Northern Hill Zone (NHZ).	A-43
8	Performance of pre release QPM genotypes in Kharif under varying planting density and nutrients levels North West Plain Zone (NWPZ).	A-46
9	Performance of pre release pop corn genotypes in Kharif under varying planting density and nutrients levels Northern Hill Zone (NHZ).	A-51
10	Performance of pre release pop corn genotypes in Kharif under varying planting density and nutrients levels North West Plain Zone (NWPZ).	A-55
11	Performance of pre release pop corn genotypes in Kharif under varying planting density and nutrients levels North East Plain Zone (NEPZ).	A-58
12	Performance of pre release popcorn genotypes in Kharif under varying planting density and nutrients levels Peninsular Zone (PZ).	A-63
13	Performance of pre release sweet corn genotypes in Kharif under varying planting density and nutrients levels Northern Hill Zone (NHZ).	A-67
14	Performance of pre release sweet corn genotypes in Kharif under varying planting density and nutrients levels North West Plain Zone (NWPZ).	A-71
15	Performance of pre release sweet corn genotypes in Kharif under varying planting density and nutrients levels North East Plain Zone (NEPZ).	A-74
16	Performance of pre release sweet corn genotypes in Kharif under varying planting density and nutrients levels Peninsular Zone (PZ).	A-77
17	Performance of pre release sweet corn genotypes in Kharif under varying planting density and nutrients levels Central West Zone (CWZ).	A-81

Table No.	Contents	Page No.
18	Performance of pre release baby corn genotypes in Kharif under varying planting density and nutrients levels North East Plain Zone (NEPZ).	A-85
19	Performance of pre release baby corn genotypes in Kharif under varying planting density and nutrients levels Peninsular Zone (PZ).	A-88
20	Performance of pre release babycorn genotypes in Kharif under varying planting density and nutrients levels Central West Zone (CWZ).	A-91
MAT-2: Nutrient management in maize-wheat-green gram cropping system under different tillage practices.		
21	Nutrient management in maize-wheat-cowpea cropping system under different tillage practices in Pantnagar.	A-96
22	Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Dholi.	A-99
23	Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Udaipur.	A-101
MAT-3: Nutrient management in rice-maize/ Soybean-maize cropping system under different tillage practices.		
24	Nutrient management in rice - maize cropping system under different tillage practices in Dholi.	A-103
25	Nutrient management in rice-maize cropping system under different tillage practices in Kalyani.	A-104
MAT-4: Nutrient management in maize based rainfed cropping systems under different tillage practices		
26	Nutrient management in maize based rainfed cropping systems under different tillage practices in Srinagar.	A-105
27	Nutrient management in maize-chickpea cropping system under different tillage practices in Banswara.	A-107
28	Nutrient management in maize-mustard rainfed cropping systems under different tillage practices in Chhindwara.	A-108
MAT-5: Long term trial on integrated nutrient management in maize system.		
29	Long term trial on Integrated Nutrient Management in Maize system in Srinagar.	A-110
30	Long - term trial on integrated nutrient management in maize wheat cropping system in Pantnagar.	A-111
31	Long term trial on integrated nutrient management in maize system in Bhubaneswar.	A-113
32	Long term trial on integrated nutrient management in maize in Coimbatore.	A-113
33	Long term trial on integrated nutrient management in maize system in Dharwad.	A-114
34	Long term trial on integrated nutrient management in maize at Karimnagar.	A-115
35	Long term trial on integrated nutrient management in maize system in Kolhapur.	A-116
36	Long term trial on integrated nutrient management in maize system in Banswara.	A-116
37	Long term trial on integrated nutrient management in maize system in Ambikapur.	A-117

Table No.	Contents	Page No.
38	Long term trial on integrated nutrient management in maize system in Chhindwara.	A-118
MAT-6: Enhancing water-use efficiency in rainfed maize.		
39	Enhancing water-use efficiency in rainfed maize in Srinagar.	A-119
40	Enhancing water-use efficiency in rainfed maize in Chitrakoot.	A-121
41	Enhancing water use efficiency in rainfed maize in Karimnagar.	A-123
42	Enhancing water-use efficiency in rainfed maize in Chhindwara.	A-125
43	Enhancing water - use efficiency in rainfed maize in Godhra.	A-127
44	Enhancing water use efficiency in rainfed maize in Udaipur.	A-129
Mat 7: Optimization of potassium fertilization for eastern India.		
45	Optimization of potassium fertilizer for Eastern India in Dholi.	A-131
46	Optimization of potassium fertilization in Eastern India in Kalyani.	A-132
47	Optimization of potassium fertilization for eastern India in Ranchi.	A-133
48	Optimization of potassium fertilization for eastern India in Ambikapur.	A-134
Mat 8: Ecological intensification for climate resilient maize based cropping systems.		
49	Ecological intensification for climate resilient maize based cropping systems in Bajaura.	A-135
50	Ecological intensification for climate resilient maize based cropping systems in Imphal.	A-136
51	Ecological intensification for climate resilient maize based cropping systems in Srinagar.	A-137
52	Ecological intensification for climate resilient maize based cropping systems in Karnal.	A-138
53	Ecological intensification for climate resilient maize based cropping systems in Ludhiana.	A-138
54	Ecological intensification for climate resilient maize wheat cropping system in Pantnagar.	A-139
55	Ecological intensification for climate resilient maize based cropping systems (Rice-Maize) in Bhubaneswar.	A-140
56	Ecological intensification for climate resilient rice-maize cropping system in Dholi.	A-140
57	Ecological Intensification for climate resilient maize based cropping system in Chitrakoot.	A-141
58	Ecological intensification for climate resilient maize based cropping system (Performance of Rice) in Kalyani.	A-142
59	Ecological intensification for climate resilient maize based cropping systems in Ranchi.	A-143
60	Ecological intensification for climate resilient maize based cropping systems in Coimbatore.	A-144
61	Ecological intensification for climate resilient maize based cropping systems in Dharwad.	A-144
62	Ecological intensification for climate resilient maize in Karimnagar.	A-145
63	Ecological intensification for climate resilient maize based cropping systems in Kolhapur.	A-145
64	Ecological intensification for climate resilient maize based cropping systems in Ambikapur.	A-146
65	Ecological intensification for climate resilient soybean-maize systems in Banswara.	A-146

Table No.	Contents	Page No.
66	Ecological intensification for climate resilient maize based cropping systems in Chhindwara.	A-147
67	Ecological intensification for climate resilient maize based cropping system in Udaipur.	A-148
Mat 9: Validation of Sensor based nitrogen management in maize.		
68	Validation of sensor based nitrogen management in maize in Bajaura.	A-150
69	Validation of Sensor based nitrogen management in maize Ludhiana.	A-151
70	Validation of Sensor based nitrogen management in maize in Pantnagar.	A-151
71	Validation of Sensor based nitrogen management in maize in Ranchi.	A-153
72	Validation of Sensor based nitrogen management in maize in Hyderabad.	A-154
73	Validation of Sensor based nitrogen management in maize during Kharif - 2018 in Peddapuram.	A-155

A-1

Crop Production *kharif* 2018

Summary

The major agronomic research trials on maize based systems during *kharif* 2018 were focused on nutrient and planting density optimization for different maturity pre-released maize hybrids, precision nutrient management and tillage optimization, potassium fertilization in Eastern India, integrated nutrient management, enhancing water-use efficiency in rainfed maize and ecological intensification in maize systems.

MAT-01: Evaluation of pre-release genotypes under varying planting density and nutrient levels

The pre-released genotypes were tested at two densities (recommended and high) and two nutrient levels (RDF and 150% RDF). In *kharif* season 2018, long duration genotype DKC 9178 responded to 150% RDF dose with high plant density (83,000) over best check (CMH-08-287, CMH-08-282) in North Western Plain Zone (NWPZ) and Peninsular Zone (PZ). However, planting density didn't respond significantly in the PZ. In medium duration hybrids, in all the zones viz NWPZ, NEPZ, PZ, CWZ none of the genotype responded significantly over best check (DHM 121, Bio 9544). In QPM genotypes, in NHZ, IMHQPM 1530 responded significantly at 150% RDF over best checks (HQPM5, Vivek QPM 9). While in NWPZ, none of the genotype responded significantly over best checks (HQPM 7, Pratap QPM). In pop corn genotypes, across the zones viz. NHZ, NWPZ, NEPZ and PZ none of the genotypes responded significantly over best checks. In sweet corn, at NHZ, NEPZ, PZ and CWZ none of the genotype responded significantly over best checks. However, in NWPZ genotype ASKH1 resulted significantly over best checks (Priya, Madhurai and Win Orange) at higher plant density (83,000). Baby corn genotypes were tested in NEPZ and PZ but none of genotype responded significantly over best check (VL baby corn).

MAT-02: Nutrient management in maize-wheat-greengram/cowpea cropping system under different tillage practices

This long-term experiment conducted at three locations (Pantnagar, Dholi, and Udaipur) to find out effective precision nutrient management and tillage practices for achieving the higher yield and profitability with better soil health under intensified cropping system. At Pantnagar zero tillage (ZT) planting increased yield significantly over permanent bed (PB) and it also significantly higher net returns over PB and conventional tillage (CT) in maize during 6th year. At Udaipur ZT resulted in significantly highest yield and net returns of maize and the systems over CT. However, at Dholi PB resulted in significant increase in yield and net returns in maize production over CT system. In nutrient management practices, SSNM resulted in significantly higher yield and net returns over farmer's fertilization practices (FFP). At Dholi, application of the 60% RDN + green seeker (GS) guided nutrient application significantly increased yield and net returns over RDF but the effect of nutrient management practices was non-significant at Pantnagar.

MAT-03: Nutrient Management in rice/soybean-maize cropping system under different tillage practices

The experiments were conducted at two locations (Dholi and Kalyani) to find out effective nutrient and tillage management practices in rice-maize system**.** The grain yields and net returns of the *kharif* season rice were significantly higher under ZT/PB over CT at Dholi but at Kalyani CT gave higher grain yields and net returns, which were on par with ZT. Amongst nutrient management, 60% RDN + GS guided nutrient application or SSNM gave higher yields and net returns at Dholi. However, at Kalyani application of SSNM based nutrient management gave significantly higher yields and returns.

MAT-04: Nutrient management in rainfed maize based cropping systems under different tillage practices.

The experiment was conducted at three locations (Srinagar, Banswara and Chhindwara) to find out effective nutrient and tillage practices for yield maximization in emerging cropping systems. Planting of maize under ZT resulted in significantly yields over CT system at Banswara that was at par with CT. However, at Chhindwara significantly highest yield recorded in CT which was at par with ZT and no-significant effect of tillage practices was observed at Srinagar but ZT enhanced net returns significantly over CT. Amongst nutrient management practices, SSNM resulted in significantly higher yield and net returns at all centres, however, it remained at par with RDF at Srinagar and with RDF and STCR at Banswara.

MAT-5: Long term trial on integrated nutrient management in maize system

To explore the possibilities of integrated nutrient management by inclusion of organic sources in maize production this long term experiment was initiated during *kharif* 2014 at Pantnagar. After completion of five years, significantly higher maize grain yield (5.26 t/ha) was obtained with 100% RDF + 5 t/ha FYM. On the contrary, economic analysis showed a new path for organic cultivation of maize and in third consecutive year it was found that, maize + cowpea as intercrop with FYM 10 t/ha + Azotobacter resulted in highest net returns and B: C ratio of maize (1.89). The same experiment also initiated in *kharif* 2018 and conducted at nine locations (Srinagar, Bhubaneswar, Coimbatore, Dharwad, Karimnagar, Kolhapur, Banswara, Ambikapur and Chhindwara). The application of 100% RDF + 5 t/ha FYM gave significantly higher mean grain yield 7.2 t/ha (5.9 to 7.9 t/ha) across these nine locations with higher net returns in maize cultivation. The increased maize yield was significantly superior over RDF at Karimnagar and Bhubaneswar; however, it remained at par with RDF at other locations.

MAT-06: Enhancing water-use efficiency in rainfed maize.

The experiments conducted at five locations (Chitrakoot, Karimnagar, Chhindwara, Godhra and Udaipur) to find out practices for enhancing water-use efficiency in rainfed maize in different agro-climatic conditions. The rainfed maize responded to mulching where mulching in CT increased maize yield by 4.8 to 26.5% over CT while the improvement in the yield at all studied locations but it increased net returns at only three locations (Chhindwara, Godhra and Udaipur) by 4.0 to 15.2%. However, the ZT+mulch increased maize yield significantly at three locations by 17.3 (Chhindwara) to 32.8 (Karimnagar) per cent over CT without residue. The ZT + residue application increased net returns at Chhindwara and Udaipur by 25.8 and 37.2 per cent, respectively. The hydrogel application significantly improved yield at two locations (Chitrakoot and Karimnagar) while it was non-significant at other three locations. However, the net returns were found lesser due to hydrogel application at three locations and it was non-significant at one location.

MAT-7: Optimization of potassium fertilization for eastern India

This experiment was initiated in *kharif* 2016 with the objective to work out economic optimum dose of potassium in maize for eastern India at four locations at Dholi, Ranchi, Ambikapur and Kalyani. The treatment comprises of graded doses of K2O from 0-150 kg/ha. After completion of three years results it was found that maize responded to higher K2O doses at Dholi (120 kg/ha) followed by at Kalyani (90 kg/ha) and to lower dose at Ranchi and Ambikapur (60 kg/ha). It can be inferred that there is variable response of maize to the potassium fertilization in Eastern India and accordingly the recommended [potassium doses of maize needs to be revised for bridging the yield gaps.

MAT-8: Ecological intensification for climate resilient maize based cropping systems

An experiment was initiated in *kharif* 2017 with the objective to develop the best crop management practices by enhancing the ecological processes and buffering the risk against the climatic aberrations for enhancing the resource use efficiency and soil health. The experiment was conducted at 18 locations during *kharif* 2018. The results revealed that by adoption of ecological intensification (EI) increased maize yield by 48.6% with the range of 5.1 (Ludhiana) to as high as 145.3% (Imphal) over the existing farmers' practices in various agro-ecologies. Nevertheless the enhancement in the net returns were higher than the grain yield of maize and was 78.1% with a range of 7.6 (Ludhiana) to 187.0 (Imphal) percent. At five locations (Bajaura, Imphal, Bhubaneswar, Kalyani and Chhindwara) nutrient management played significant role in maximum yield reduction. At seven locations viz., Karnal, Ludhiana, Dharwad, Coimbatore, Ambikapur, Banswara and Udaipur, weed management played most important role in reduction of maximum yield. At three locations, (Srinagar, Ranchi and Karimnagar) plant density played most important role in reduction in yield.

MAT-9: Validation of Sensor based nitrogen management in maize

The validation experiments on the calibration curve developed at IIMR for optical sensor based nitrogen application in maize were initiated in *kharif* 2017. The experiment was conducted at six locations (Bajaura, Ludhiana, Pantnagar, Ranchi, Hyderabad and Peddapuram) during *kharif* 2018. It was found that the application of N as 33% basal N + Green Seeker (GS) based N at knee high & tasseling stage at Bajuara and Ludhiana which was higher but statistically at par with RDF. However, the yield in 35% Basal N + 35% at 25 DAS + GS based N at tasseling stage application was the highest at Ranchi, Hyderabad and Peddapuram which was statistically at par with RDF. However, at Pantnagar, 30% Basal N + 30% at 25 DAS + Green Seeker based N at tasseling stage gave higher yield which was at par to RDF. Though yield was at par but nitrogen saving/optimization was observed at all locations and thus it can be inferred that GS based application curve developed is working.

Table 1: Performance of pre release late maturity genotypes in *Kharif* under varying planting density and nutrients levels North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)				Stover yield (kg/ha)		Cob yield (kg/ha)
			Karnal	Ludhiana	Pantnagar	NWPZ	Ludhiana	Pantnagar	Karnal
66,000	100% RDF	DKC9178 (IQ8623)	9144	6408	4783	6779	10660	6889	12422
		PM16103L	7941	7992	5383	7105	9152	8148	10642
		JKMH4152	8839	6875	4364	6693	10111	7111	11317
		NK6240	7964	7450	3919	6444	9033	6148	10191
		BIO9682	7368	7400	5085	6618	8589	8370	8685
		CMH-08-287	8729	7050	4844	6874	9805	7259	10884
		CMH-08-282	7269	7142	3895	6102	8109	5852	9642
	150% RDF	DKC9178 (IQ8623)	10002	7425	5180	7536	11659	6963	13032
		PM16103L	8588	8200	6349	7712	9894	8370	11765
		JKMH4152	9244	8167	4673	7361	10579	7333	12314
		NK6240	8392	7658	4118	6723	9522	6593	11082
		BIO9682	7705	8417	5538	7220	8984	8593	10472
		CMH-08-287	9525	8467	5358	7783	10700	7926	11646
		CMH-08-282	8049	7733	4434	6739	8972	6222	10472
83,000	100% RDF	DKC9178 (IQ8623)	10662	6900	4742	7435	12422	7621	10660
		PM16103L	9234	8083	5198	7505	10642	8476	9152
		JKMH4152	9891	7292	5017	7400	11317	7764	10111
		NK6240	8983	7608	4204	6932	10191	6695	9033
		BIO9682	7455	7500	4827	6594	8685	8689	8589
		CMH-08-287	9689	7192	4831	7237	10884	7692	9805
		CMH-08-282	8650	7717	4002	6789	9642	6695	8109
	150% RDF	DKC9178 (IQ8623)	11183	7650	5265	8033	13032	8048	11659
		PM16103L	10203	8933	6196	8444	11765	8832	9894
		JKMH4152	10767	8258	5502	8176	12314	8405	10579
		NK6240	9756	8258	4285	7433	11082	7265	9522
		BIO9682	8984	8492	5122	7533	10472	9117	8984
		CMH-08-287	10369	7733	5517	7873	11646	8547	10700
		CMH-08-282	9388	8075	4635	7366	10472	7123	8972
Mean of location			9070.4	7717.0	4902.4	7229.9	10369.1	7598.1	10369.1
66,000			8483	7599	4852	6978	9698	7270	11040
83,000			9658	7835	4953	7482	11040	7926	9698
CD at 5%			664.6	NS	NS	664.6	770.7	NS	770.7
CV (%)			7.8	4.6	11.6	8.0	7.9	16.3	7.9
100% RDF			8701	7329	4650	6893	9946	7386	9946
150% RDF			9440	8105	5155	7567	10792	7810	10792
CD at 5%			243.4	443.1	80.9	255.8	289.6	NS	289.6
CV (%)			4.4	9.5	2.7	5.5	4.6	12.5	4.6
DKC9178 (IQ8623)			10248	7096	4993	7445	11943	7380	11943
PM16103L			8992	8302	5782	7692	10363	8457	10363
JKMH4152			9686	7648	4889	7408	11080	7653	11080
NK6240			8774	7744	4131	6883	9957	6675	9957
BIO9682			7878	7952	5143	6991	9182	8692	9182
CMH-08-287			9578	7610	5137	7442	10759	7856	10759
CMH-08-282			8339	7667	4242	6749	9299	6473	9299
CD at 5%			648.2	664.7	300.3	537.8	725.4	926.2	725.4
CV (%)			8.7	10.5	7.5	8.9	8.5	14.9	8.5

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A-5

Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	DKC9178 (IQ8623)	65.3	74.2	65.2	65.0	69.2	65.2
		PM16103L	65.3	73.3	64.4	65.9	72.5	64.4
		JKMH4152	65.3	70.0	65.2	65.7	72.5	65.2
		NK6240 (C)	65.3	71.7	63.0	66.0	69.2	63.0
		BIO9682 (C)	65.3	70.8	65.2	65.3	69.2	65.2
		CMH-08-287 (C)	64.6	76.7	62.2	65.6	75.0	62.2
		CMH-08-282 (C)	65.3	76.7	64.4	65.6	70.0	64.4
	150% RDF	DKC9178 (IQ8623)	65.3	75.8	64.4	65.2	70.8	64.4
		PM16103L	64.9	71.7	63.0	65.7	75.0	63.0
		JKMH4152	64.6	74.2	65.2	65.0	70.8	65.2
		NK6240 (C)	64.1	74.2	65.2	65.3	71.7	65.2
		BIO9682 (C)	65.6	74.2	65.9	67.7	72.5	65.9
		CMH-08-287 (C)	64.9	75.8	65.9	67.0	73.3	65.9
		CMH-08-282 (C)	63.9	75.8	65.9	65.9	73.3	65.9
83,000	100% RDF	DKC9178 (IQ8623)	81.9	95.8	80.5	82.4	93.3	80.5
		PM16103L	81.6	96.7	79.8	81.8	95.0	79.8
		JKMH4152	81.3	95.8	79.8	81.7	93.3	79.8
		NK6240 (C)	81.3	95.0	80.5	81.4	93.3	80.5
		BIO9682 (C)	82.3	95.8	83.3	81.8	93.3	83.3
		CMH-08-287 (C)	81.6	95.0	79.8	81.8	93.3	79.8
		CMH-08-282 (C)	81.3	97.5	79.8	81.3	95.0	79.8
	150% RDF	DKC9178 (IQ8623)	81.3	95.8	81.2	80.4	93.3	81.2
		PM16103L	80.9	95.8	79.8	81.7	94.2	79.8
		JKMH4152	82.3	97.5	81.2	81.3	95.0	81.2
		NK6240 (C)	81.3	95.8	80.5	78.4	94.2	80.5
		BIO9682 (C)	82.3	96.7	81.2	82.2	95.0	81.2
		CMH-08-287 (C)	82.6	95.8	80.5	80.4	94.2	80.5
		CMH-08-282 (C)	81.6	95.8	80.5	76.3	92.5	80.5
Mean of location			73.3	85.0	72.6	73.4	82.9	72.6
66,000			65.0	73.9	64.7	65.8	71.8	64.7
83,000			81.7	96.1	80.6	80.9	93.9	80.6
CD at 5%			0.6	6.4	1.3	1.3	7.1	1.3
CV (%)			0.8	8.0	1.9	1.9	9.2	1.9
100% RDF			73.4	84.6	72.4	73.7	82.4	72.4
150% RDF			73.3	85.4	72.9	73.0	83.3	72.9
CD at 5%			NS	NS	NS	0.5	NS	NS
CV (%)			0.9	5.1	2.3	1.1	6.7	2.3
DKC9178 (IQ8623)			73.4	85.4	72.8	73.3	81.7	72.8
PM16103L			73.2	84.4	71.7	73.8	84.2	71.7
JKMH4152			73.4	84.4	72.8	73.4	82.9	72.8
NK6240 (C)			73.0	84.2	72.3	72.7	82.1	72.3
BIO9682 (C)			73.9	84.4	73.9	74.2	82.5	73.9
CMH-08-287 (C)			73.4	85.8	72.1	73.7	84.0	72.1
CMH-08-282 (C)			73.0	86.5	72.7	72.3	82.7	72.7
CD at 5%			NS	NS	NS	1.0	1.7	NS
CV (%)			1.3	2.7	3.9	1.6	2.5	3.9

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Density	Nutrient levels	Genotypes	Plant height (cm)			Days to Maturity	Barren plant/plot	100-seed weight (g)
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	DKC9178 (IQ8623)	195.0	163.3	182.9	86.7	2.3	25.9
		PM16103L	195.0	180.0	181.5	86.3	0.7	25.8
		JKMH4152	184.0	175.7	182.3	85.7	1.3	25.9
		NK6240 (C)	167.7	148.3	185.1	85.3	1.7	26.4
		BIO9682 (C)	166.0	155.0	180.0	87.3	1.0	25.7
		CMH-08-287 (C)	193.3	181.7	181.9	88.7	1.7	28.2
		CMH-08-282 (C)	198.3	168.3	183.6	86.3	1.7	27.6
	150% RDF	DKC9178 (IQ8623)	204.3	173.3	179.0	87.7	2.3	28.6
		PM16103L	201.7	190.0	181.5	87.3	1.3	27.3
		JKMH4152	186.7	180.0	186.0	86.7	2.0	27.1
		NK6240 (C)	171.3	155.7	176.4	86.3	2.0	26.8
		BIO9682 (C)	170.3	160.0	185.9	88.3	2.0	26.8
		CMH-08-287 (C)	199.0	200.0	182.6	89.3	1.7	29.5
		CMH-08-282 (C)	203.7	182.7	187.4	87.3	1.3	29.3
83,000	100% RDF	DKC9178 (IQ8623)	213.3	168.3	184.3	88.0	3.0	25.4
		PM16103L	211.7	181.7	189.1	87.7	1.3	25.4
		JKMH4152	188.3	176.7	181.3	86.7	1.3	23.5
		NK6240 (C)	173.3	156.7	186.9	86.3	1.7	26.3
		BIO9682 (C)	173.3	161.7	186.6	88.7	2.0	23.3
		CMH-08-287 (C)	196.7	185.0	193.3	89.7	1.7	27.8
		CMH-08-282 (C)	205.0	176.7	187.3	87.0	2.0	27.2
	150% RDF	DKC9178 (IQ8623)	216.7	180.0	178.1	88.7	2.3	26.5
		PM16103L	219.3	195.0	176.9	88.7	1.0	26.1
		JKMH4152	190.0	185.0	174.2	87.0	2.0	24.2
		NK6240 (C)	180.0	161.7	194.6	87.3	1.7	26.8
		BIO9682 (C)	178.0	165.0	180.9	89.3	1.3	24.5
		CMH-08-287 (C)	205.7	201.7	185.8	90.3	1.7	28.8
		CMH-08-282 (C)	213.3	188.3	177.4	88.0	1.3	28.7
Mean of location			192.9	174.9	183.3	87.6	1.7	26.6
66,000			188.3	172.4	182.6	87.1	1.6	27.2
83,000			197.5	177.4	184.1	88.1	1.7	26.0
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			10.8	6.4	13.7	1.8	42.3	6.0
100% RDF			190.1	169.9	184.7	87.2	1.7	26.0
150% RDF			195.7	179.9	181.9	88.0	1.7	27.2
CD at 5%			4.6	8.9	NS	0.3	NS	NS
CV (%)			3.9	8.4	3.9	0.6	39.8	8.8
DKC9178 (IQ8623)			207.3	171.3	181.1	87.8	2.5	26.6
PM16103L			206.9	186.7	182.3	87.5	1.1	26.1
JKMH4152			187.3	179.3	181.0	86.5	1.7	25.2
NK6240 (C)			173.1	155.6	185.8	86.3	1.8	26.6
BIO9682 (C)			171.9	160.4	183.3	88.4	1.6	25.1
CMH-08-287 (C)			198.7	192.1	185.9	89.5	1.7	28.6
CMH-08-282 (C)			205.1	179.0	183.9	87.2	1.6	28.2
CD at 5%			12.2	7.1	NS	0.8	0.7	1.9
CV (%)			7.7	5.0	3.6	1.1	51.9	8.8

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A-7

Density	Nutrient levels	Genotypes	Days 50% tasseling			Days 50% silking		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	DKC9178 (IQ8623)	53.3	61.7	56.3	55.3	63.7	59.0
		PM16103L	52.7	58.3	55.0	54.7	60.3	57.7
		JKMH4152	53.0	60.7	58.0	55.0	62.7	61.0
		NK6240 (C)	50.3	58.0	57.7	52.3	60.0	60.0
		BIO9682 (C)	52.7	58.7	55.0	54.7	60.7	57.7
		CMH-08-287 (C)	54.3	59.7	54.3	56.3	61.7	57.7
		CMH-08-282 (C)	51.0	59.0	54.7	53.0	61.0	57.3
	150% RDF	DKC9178 (IQ8623)	52.3	59.7	56.3	54.3	61.3	59.3
		PM16103L	51.7	57.0	54.7	53.7	58.7	57.7
		JKMH4152	52.0	60.3	57.7	54.0	62.0	60.3
		NK6240 (C)	49.7	56.3	57.7	51.7	58.0	60.0
		BIO9682 (C)	52.0	58.3	55.0	54.0	60.0	58.3
		CMH-08-287 (C)	52.7	59.3	54.3	54.7	61.0	57.7
		CMH-08-282 (C)	50.3	57.0	55.3	52.3	58.7	58.0
83,000	100% RDF	DKC9178 (IQ8623)	54.7	62.0	56.0	56.7	65.0	59.3
		PM16103L	54.0	59.0	54.7	56.0	62.0	58.0
		JKMH4152	54.0	61.0	57.7	56.0	64.0	60.7
		NK6240 (C)	51.3	59.0	57.7	53.3	62.0	60.3
		BIO9682 (C)	54.7	59.3	54.7	56.7	62.3	57.0
		CMH-08-287 (C)	55.0	60.3	54.7	57.0	63.3	57.7
		CMH-08-282 (C)	51.7	59.7	55.7	53.7	62.7	58.7
	150% RDF	DKC9178 (IQ8623)	54.0	60.3	56.7	56.0	63.0	59.3
		PM16103L	53.7	57.3	55.0	55.7	60.0	57.7
		JKMH4152	53.7	60.7	57.3	55.7	63.3	60.0
		NK6240 (C)	50.7	58.0	57.0	52.7	60.7	60.3
		BIO9682 (C)	53.7	59.0	55.3	55.7	61.7	58.0
		CMH-08-287 (C)	53.3	59.7	54.7	55.3	62.3	57.3
		CMH-08-282 (C)	51.0	57.7	54.7	53.0	60.3	57.3
Mean of location			52.6	59.2	55.8	54.6	61.5	58.7
66,000			52.0	58.9	55.9	54.0	60.7	58.7
83,000			53.2	59.5	55.8	55.2	62.3	58.7
CD at 5%			0.8	NS	NS	0.8	NS	NS
CV (%)			1.7	4.2	1.0	1.6	4.0	1.1
100% RDF			53.0	59.7	55.9	55.0	62.2	58.7
150% RDF			52.2	58.6	55.8	54.2	60.8	58.7
CD at 5%			0.7	NS	NS	0.7	NS	NS
CV (%)			2.2	5.2	1.1	2.1	5.3	1.3
DKC9178 (IQ8623)			53.6	60.9	56.3	55.6	63.3	59.3
PM16103L			53.0	57.9	54.8	55.0	60.3	57.8
JKMH4152			53.2	60.7	57.7	55.2	63.0	60.5
NK6240 (C)			50.5	57.8	57.5	52.5	60.2	60.2
BIO9682 (C)			53.3	58.8	55.0	55.3	61.2	57.8
CMH-08-287 (C)			53.8	59.8	54.5	55.8	62.1	57.6
CMH-08-282 (C)			51.0	58.3	55.1	53.0	60.7	57.8
CD at 5%			0.6	1.3	0.4	0.6	1.2	0.6
CV (%)			1.3	2.6	0.9	1.2	2.3	1.1

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A-8

Density	Nutrient levels	Genotypes	Net returns (Rs. /ha)			B:C ratio		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	DKC9178 (IQ8623)	102144	44945	49945	3.59	1.11	1.59
		PM16103L	81643	64290	60131	3.08	1.58	1.92
		JKMH4152	99454	50966	42821	3.52	1.26	1.36
		NK6240 (C)	75968	56461	35242	2.94	1.39	1.12
		BIO9682 (C)	65780	56490	55079	2.68	1.39	1.76
		CMH-08-287 (C)	100783	53827	50973	3.55	1.33	1.62
		CMH-08-282 (C)	74649	53773	34849	2.90	1.32	1.11
	150% RDF	DKC9178 (IQ8623)	113129	54076	53610	3.63	1.19	1.56
		PM16103L	83079	64270	73481	2.95	1.42	2.13
		JKMH4152	92868	63562	44996	3.17	1.40	1.31
		NK6240 (C)	82152	56392	35548	2.93	1.24	1.03
		BIO9682 (C)	75887	65740	59697	2.78	1.45	1.73
		CMH-08-287 (C)	105278	67508	56637	3.45	1.49	1.64
		CMH-08-282 (C)	86669	58360	40927	3.03	1.29	1.19
83,000	100% RDF	DKC9178 (IQ8623)	115232	51594	48241	3.91	1.24	1.49
		PM16103L	102997	66293	55991	3.61	1.60	1.73
		JKMH4152	116385	56732	52918	3.94	1.37	1.63
		NK6240 (C)	90029	59406	39086	3.29	1.43	1.21
		BIO9682 (C)	68096	58567	49686	2.74	1.41	1.53
		CMH-08-287 (C)	117888	56271	49745	3.97	1.36	1.54
		CMH-08-282 (C)	87755	61611	35656	3.23	1.48	1.10
	150% RDF	DKC9178 (IQ8623)	126994	57798	54057	3.94	1.25	1.52
		PM16103L	123155	73724	69887	3.86	1.59	1.97
		JKMH4152	119244	65325	58085	3.77	1.41	1.64
		NK6240 (C)	114197	64327	37390	3.65	1.39	1.05
		BIO9682 (C)	94942	67241	51622	3.22	1.45	1.46
		CMH-08-287 (C)	115594	59314	58334	3.69	1.28	1.65
		CMH-08-282 (C)	91431	63156	43347	3.14	1.36	1.22
Mean of location			97265.2	59715.0	49927.9	3.36	1.37	1.49
66,000			88535	57904	49567	3.16	1.35	1.51
83,000			105996	61526	50289	3.57	1.40	1.48
CD at 5%			9857.2	NS	NS	0.2	NS	NS
CV (%)			10.8	8.1	19.4	7.6	7.8	18.9
100% RDF			92772	56516	47169	3.35	1.38	1.48
150% RDF			101759	62914	52687	3.37	1.37	1.51
CD at 5%			2629.8	5900.4	1374.8	NS	NS	NS
CV (%)			4.5	16.3	4.5	2.9	16.1	5.8
DKC9178 (IQ8623)			114375	52103	51463	3.77	1.20	1.54
PM16103L			97719	67144	64873	3.37	1.55	1.94
JKMH4152			106988	59146	49705	3.60	1.36	1.49
NK6240 (C)			90587	59146	36817	3.20	1.36	1.10
BIO9682 (C)			76176	62010	54021	2.85	1.43	1.62
CMH-08-287 (C)			109886	59230	53922	3.67	1.36	1.61
CMH-08-282 (C)			85126	59225	38695	3.07	1.36	1.16
CD at 5%			7917.4	7771.0	5105.6	0.2	0.2	0.2
CV (%)			9.9	15.9	12.5	6.7	15.7	12.5

Table 2: Performance of pre release late maturity genotypes in *Kharif* under varying planting density and nutrients levels Peninsular Zone (PZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)				Stover yield (kg/ha)		
			Coimbatore	Dharwad	Hyderabad	PZ	Coimbatore	Dharwad	Hyderabad
83,333	100% RDF	DKC9178 (IQ8623)	8791	7395	8201	8129	10277	7849	9035
		BIO716	8288	6820	7348	7485	11059	7230	8397
		NK6240 (C)	7667	6623	6686	6992	9474	7398	7723
		BIO9682 (C)	8713	6303	7140	7386	9302	8391	7783
		CMH-08-287 (C)	7724	6428	8169	7440	11214	7806	8732
		CMH-08-282 (C)	8572	6542	7412	7509	11698	8852	8133
	150% RDF	DKC9178 (IQ8623)	9274	7390	8767	8477	10819	7894	9613
		BIO716	8745	7380	7787	7971	11643	7856	8555
		NK6240 (C)	8089	7688	7513	7763	9974	8910	8080
		BIO9682 (C)	9193	6100	7431	7575	9795	9163	7998
		CMH-08-287 (C)	8149	6068	8500	7572	11807	9144	9350
		CMH-08-282 (C)	9044	6052	7768	7621	12316	9136	8283
1,00,000	100% RDF	DKC9178 (IQ8623)	9469	7309	8443	8407	10934	6915	9133
		BIO716	8928	6927	7010	7622	11766	8217	7607
		NK6240 (C)	8259	5880	6808	6982	10081	7312	7292
		BIO9682 (C)	9386	6433	7181	7666	9896	7060	7103
		CMH-08-287 (C)	8321	6838	7957	7705	11931	7777	7960
		CMH-08-282 (C)	9235	6577	7518	7777	12445	8418	8413
	150% RDF	DKC9178 (IQ8623)	9984	7890	8779	8884	11512	7373	9247
		BIO716	9415	6583	6682	7560	12387	7288	7997
		NK6240 (C)	8709	6840	6178	7242	10618	7278	7413
		BIO9682 (C)	9896	6859	7574	8110	10426	7947	8263
		CMH-08-287 (C)	8774	6541	8360	7892	12561	9019	8807
		CMH-08-282 (C)	9737	6564	7743	8015	13102	7747	8543
Mean of location			8848	6751	8848.4	6751.2	7623.1	7740.9	8310.9
83,333			8521	6732	8521	6732	7727	7660	8474
1,00,000			9176	6770	9176	6770	7519	7822	8148
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			7.4	4.0	7.4	4.0	13.0	8.1	9.4
100% RDF			8613	6673	8613	6673	7489	7592	8109
150% RDF			9084	6829	9084	6829	7757	7890	8513
CD at 5%			319	NS	319.1	NS	113.4	216.3	NS
CV (%)			5.5	4.7	5.5	4.7	2.3	4.1	11.4
DKC9178 (IQ8623)			9380	7496	9380	7496	8548	8474	9257
BIO716			8844	6928	8844	6928	7207	7659	8139
NK6240 (C)			8181	6758	8181	6758	6796	7245	7627
BIO9682 (C)			9297	6424	9297	6424	7331	7684	7787
CMH-08-287 (C)			8242	6469	8242	6469	8247	7652	8712
CMH-08-282 (C)			9147	6434	9147	6434	7610	7730	8343
CD at 5%			456	300	455.9	299.8	329.7	361.8	512.7
CV (%)			6.2	5.4	6.2	5.4	5.2	5.6	7.5

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Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Coimbatore	Dharwad	Hyderabad	Coimbatore	Dharwad	Hyderabad
83,333	100% RDF	DKC9178 (IQ8623)	78.9	80.0	73.6	75.0	80.7	77.1
		BIO716	78.0	80.3	77.7	75.4	81.0	77.2
		NK6240 (C)	78.9	81.5	77.2	75.9	82.1	78.8
		BIO9682 (C)	78.9	82.1	75.1	75.9	82.7	77.1
		CMH-08-287 (C)	77.2	79.6	78.8	73.6	80.3	81.6
		CMH-08-282 (C)	79.8	82.0	81.6	75.9	82.7	83.8
	150% RDF	DKC9178 (IQ8623)	78.9	79.6	78.3	75.9	80.3	78.3
		BIO716	79.4	78.5	77.7	75.8	79.1	78.8
		NK6240 (C)	79.8	79.4	80.0	75.9	80.0	77.7
		BIO9682 (C)	79.4	82.2	81.0	75.9	82.9	77.7
		CMH-08-287 (C)	78.9	57.1	80.7	75.0	57.7	78.3
		CMH-08-282 (C)	78.9	81.2	78.3	76.3	81.8	83.3
1,00,000	100% RDF	DKC9178 (IQ8623)	94.4	96.4	90.5	90.4	97.0	91.0
		BIO716	93.0	95.3	87.7	89.5	96.0	88.8
		NK6240 (C)	93.9	96.2	86.0	89.5	96.8	87.2
		BIO9682 (C)	93.0	95.3	87.7	89.9	95.9	87.7
		CMH-08-287 (C)	95.7	92.8	88.8	92.1	93.4	90.5
		CMH-08-282 (C)	93.9	93.3	91.6	89.9	94.0	93.3
	150% RDF	DKC9178 (IQ8623)	94.3	97.2	88.8	90.8	97.8	90.5
		BIO716	94.3	95.3	85.5	89.9	95.9	86.0
		NK6240 (C)	93.5	94.2	87.1	89.1	94.9	86.6
		BIO9682 (C)	94.4	98.2	90.5	89.9	98.8	92.7
		CMH-08-287 (C)	94.8	97.0	93.1	90.8	97.7	94.9
		CMH-08-282 (C)	96.6	93.7	92.7	92.6	94.4	94.9
Mean of location			86.6	87.0	83.7	83.0	87.7	84.7
83,333			78.9	78.6	78.3	75.5	79.3	79.1
1,00,000			94.3	95.4	89.2	90.4	96.0	90.3
CD at 5%			4.0	9.9	NS	4.1	9.9	NS
CV (%)			4.6	11.3	28.8	4.8	11.2	27.4
100% RDF			86.3	87.9	83.0	82.8	88.5	84.5
150% RDF			86.9	86.1	84.5	83.2	86.8	85.0
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			1.8	10.8	3.4	2.0	10.8	5.1
DKC9178 (IQ8623)			86.6	88.3	82.8	83.0	88.9	84.2
BIO716			86.2	87.3	82.2	82.7	88.0	82.7
NK6240 (C)			86.5	87.8	82.6	82.6	88.5	82.6
BIO9682 (C)			86.4	89.5	83.6	82.9	90.1	83.8
CMH-08-287 (C)			86.6	81.6	85.4	82.9	82.3	86.3
CMH-08-282 (C)			87.3	87.6	86.0	83.7	88.2	88.8
CD at 5%			NS	NS	2.7	NS	NS	3.7
CV (%)			4.0	10.2	3.9	4.4	10.2	5.3

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A-11

Density	Nutrient levels	Genotypes	Plant height (cm)			100 seed weight (g)		
			Coimbatore	Dharwad	Hyderabad	Coimbatore	Dharwad	Hyderabad
83,333	100% RDF	DKC9178 (IQ8623)	227.4	191.3	228.7	36.1	28.4	35.3
		BIO716	229.9	183.7	217.0	36.5	27.0	26.7
		NK6240 (C)	212.3	192.0	211.3	38.8	29.6	29.3
		BIO9682 (C)	218.9	197.7	214.3	37.4	28.4	29.7
		CMH-08-287 (C)	228.1	198.7	233.3	38.1	27.4	34.3
		CMH-08-282 (C)	222.6	185.0	219.0	39.1	28.8	31.7
	150% RDF	DKC9178 (IQ8623)	224.6	186.3	228.0	36.5	29.1	39.3
		BIO716	224.9	180.7	226.7	37.1	24.4	29.7
		NK6240 (C)	232.8	200.3	214.0	39.4	27.4	32.7
		BIO9682 (C)	218.0	199.3	215.0	37.9	27.8	34.0
		CMH-08-287 (C)	231.4	200.0	225.3	38.6	30.1	37.0
		CMH-08-282 (C)	242.7	187.0	217.0	39.8	29.8	35.0
1,00,000	100% RDF	DKC9178 (IQ8623)	227.6	161.7	232.7	35.1	28.4	35.7
		BIO716	228.2	192.0	223.0	35.4	27.5	31.7
		NK6240 (C)	228.8	189.7	216.7	38.1	27.3	31.0
		BIO9682 (C)	220.4	202.0	221.7	36.4	29.1	27.0
		CMH-08-287 (C)	230.3	199.0	234.7	37.2	28.2	32.3
		CMH-08-282 (C)	228.5	202.0	226.7	38.5	28.2	34.0
	150% RDF	DKC9178 (IQ8623)	229.1	170.3	210.3	35.6	29.4	31.7
		BIO716	234.5	182.0	213.3	36.2	28.3	24.3
		NK6240 (C)	222.7	193.7	210.0	38.7	26.3	33.3
		BIO9682 (C)	223.5	196.3	216.0	37.1	28.9	30.7
		CMH-08-287 (C)	230.3	189.0	224.0	37.9	28.5	32.3
		CMH-08-282 (C)	231.3	203.0	217.3	39.1	27.1	30.0
Mean of location			227.0	190.9	220.7	37.5	28.1	32.0
83,333			226.1	191.8	220.8	37.9	28.2	32.9
1,00,000			227.9	190.1	220.5	37.1	28.1	31.2
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			3.9	5.3	9.9	2.2	4.1	21.4
100% RDF			225.3	191.2	223.3	37.2	28.2	31.6
150% RDF			228.8	190.7	218.1	37.8	28.1	32.5
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			4.8	5.8	10.8	4.9	8.9	10.8
DKC9178 (IQ8623)			227.2	177.4	224.9	35.8	28.8	35.5
BIO716			229.4	184.6	220.0	36.3	26.8	28.1
NK6240 (C)			224.2	193.9	213.0	38.8	27.6	31.6
BIO9682 (C)			220.2	198.8	216.8	37.2	28.5	30.3
CMH-08-287 (C)			230.0	196.7	229.3	38.0	28.6	34.0
CMH-08-282 (C)			231.3	194.3	220.0	39.1	28.5	32.7
CD at 5%			5.5	8.1	7.4	2.2	NS	3.3
CV (%)			2.9	5.2	4.1	7.0	7.6	12.3

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A-12

Density	Nutrient levels	Genotypes	Days to 50% tasseling			Days to 50% silking			Days to maturity
			Coimbatore	Dharwad	Hyderabad	Coimbatore	Dharwad	Hyderabad	Hyderabad
83,333	100% RDF	DKC9178 (IQ8623)	57.3	43.0	53.7	61.0	49.3	57.3	100.3
		BIO716	56.3	44.3	54.0	60.3	51.0	56.3	99.0
		NK6240 (C)	55.0	45.0	53.7	58.7	50.3	56.0	100.0
		BIO9682 (C)	57.0	47.0	54.0	60.7	54.0	56.3	102.3
		CMH-08-287 (C)	55.7	49.0	53.3	59.7	54.3	56.0	106.3
		CMH-08-282 (C)	56.7	50.0	54.0	60.3	55.3	56.0	104.0
	150% RDF	DKC9178 (IQ8623)	58.0	41.7	53.7	62.0	49.0	56.7	100.7
		BIO716	57.0	44.3	53.7	60.7	50.7	56.0	98.3
		NK6240 (C)	55.7	45.7	53.7	59.7	51.7	56.0	101.7
		BIO9682 (C)	57.7	48.0	54.7	61.3	52.7	57.0	103.0
		CMH-08-287 (C)	56.3	49.3	54.3	60.3	56.3	56.3	107.7
		CMH-08-282 (C)	57.3	50.0	54.3	61.3	55.0	57.0	102.0
1,00,000	100% RDF	DKC9178 (IQ8623)	56.3	42.7	55.7	59.7	49.0	56.7	100.3
		BIO716	55.7	43.3	55.7	59.3	50.0	57.0	100.0
		NK6240 (C)	54.3	44.3	56.0	58.0	48.7	57.7	98.3
		BIO9682 (C)	56.3	48.0	55.3	60.0	54.0	57.3	100.3
		CMH-08-287 (C)	55.0	49.7	56.3	58.3	55.3	58.0	103.7
		CMH-08-282 (C)	56.0	49.7	56.3	59.7	55.3	58.3	104.7
	150% RDF	DKC9178 (IQ8623)	57.0	43.0	55.0	60.7	48.0	57.0	101.3
		BIO716	56.3	45.0	55.0	60.3	47.0	57.0	102.7
		NK6240 (C)	55.0	45.7	55.7	58.3	50.7	57.7	100.0
		BIO9682 (C)	57.0	49.0	55.7	60.3	55.0	57.3	102.3
		CMH-08-287 (C)	55.7	49.7	56.0	59.0	55.3	58.0	105.7
		CMH-08-282 (C)	56.7	50.3	55.7	60.3	55.7	57.3	106.7
Mean of location			56.3	46.6	54.8	60.0	52.2	56.9	102.1
83,333			56.7	46.4	53.9	60.5	52.5	56.4	102.1
1,00,000			55.9	46.7	55.7	59.5	52.0	57.4	102.2
CD at 5%			NS	NS	0.9	NS	NS	0.7	NS
CV (%)			9.5	2.4	1.6	9.8	1.8	1.3	0.8
100% RDF			56.0	46.3	54.8	59.6	52.2	56.9	101.6
150% RDF			56.6	46.8	54.8	60.4	52.3	56.9	102.7
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			4.8	5.2	2.8	4.4	3.2	1.8	2.2
DKC9178 (IQ8623)			57.2	42.6	54.5	60.8	48.8	56.9	100.7
BIO716			56.3	44.3	54.6	60.2	49.7	56.6	100.0
NK6240 (C)			55.0	45.2	54.8	58.7	50.3	56.8	100.0
BIO9682 (C)			57.0	48.0	54.9	60.6	53.9	57.0	102.0
CMH-08-287 (C)			55.7	49.4	55.0	59.3	55.3	57.1	105.8
CMH-08-282 (C)			56.7	50.0	55.1	60.4	55.3	57.2	104.3
CD at 5%			NS	0.6	NS	NS	1.3	NS	1.6
CV (%)			5.7	1.6	1.5	4.4	3.0	1.6	1.9

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A-13

Density	Nutrient levels	Genotypes	Net return (Rs./ha)			B:C ratio		
			Coimbatore	Dharwad	Hyderabad	Coimbatore	Dharwad	Hyderabad
83,333	100% RDF	DKC9178 (IQ8623)	85762	86322	50030	2.52	3.00	1.64
		BIO716	78994	77116	37232	2.40	2.77	1.47
		NK6240 (C)	68099	73962	27130	2.21	2.69	1.42
		BIO9682 (C)	83622	68856	33659	2.48	2.56	1.43
		CMH-08-287 (C)	70694	70849	49266	2.25	2.61	1.70
		CMH-08-282 (C)	83903	72673	37885	2.49	2.66	1.48
	150% RDF	DKC9178 (IQ8623)	90087	80233	55360	2.50	2.53	1.68
		BIO716	82976	80081	40327	2.39	2.52	1.51
		NK6240 (C)	71467	85004	35948	2.19	2.63	1.46
		BIO9682 (C)	87848	59596	34701	2.47	2.09	1.48
		CMH-08-287 (C)	74200	59083	51292	2.24	2.08	1.73
		CMH-08-282 (C)	88134	58833	39789	2.47	2.07	1.53
1,00,000	100% RDF	DKC9178 (IQ8623)	93589	84951	52457	2.58	2.97	1.78
		BIO716	86306	78837	30500	2.45	2.81	1.44
		NK6240 (C)	74586	62079	20827	2.26	2.39	1.43
		BIO9682 (C)	91306	70924	32434	2.54	2.61	1.52
		CMH-08-287 (C)	77366	77408	44358	2.30	2.78	1.64
		CMH-08-282 (C)	91590	73237	38546	2.54	2.67	1.47
	150% RDF	DKC9178 (IQ8623)	98430	88235	54030	2.57	2.70	1.73
		BIO716	90770	67328	22908	2.45	2.25	1.36
		NK6240 (C)	78406	71435	15137	2.25	2.34	1.27
		BIO9682 (C)	96024	71744	35880	2.53	2.35	1.51
		CMH-08-287 (C)	81329	66652	47624	2.29	2.24	1.63
		CMH-08-282 (C)	96315	67019	38573	2.53	2.25	1.52
Mean of location			84241.8	73019.0	38578.9	2.41	2.52	1.5
83,333			80482	72717	41052	2.39	2.52	1.54
1,00,000			88001	73321	36106	2.44	2.53	1.53
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			11.3	5.9	41.8	6.6	3.8	12.4
100% RDF			82151	74768	37860	2.42	2.71	1.54
150% RDF			86332	71270	39297	2.41	2.34	1.53
CD at 5%			NS	3287.1	NS	NS	0.1	NS
CV (%)			8.3	6.9	7.2	4.8	4.3	1.8
DKC9178 (IQ8623)			91967	84935	52969	2.54	2.80	1.71
BIO716			84762	75841	32742	2.42	2.59	1.45
NK6240 (C)			73139	73120	24760	2.23	2.51	1.40
BIO9682 (C)			89700	67780	34169	2.50	2.40	1.48
CMH-08-287 (C)			75897	68498	48135	2.27	2.43	1.68
CMH-08-282 (C)			89986	67940	38698	2.51	2.41	1.50
CD at 5%			6796.5	4796.2	5321.1	0.1	0.1	0.1
CV (%)			9.8	8.0	16.7	5.7	5.5	4.2

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Density	Nutrient levels	Genotypes	Cob length (cm)		Cob girth (cm)		Grain rows/cob	
			Coimbatore	Hyderabad	Coimbatore	Hyderabad	Hyderabad	Coimbatore
83,333	100% RDF	DKC9178 (IQ8623)	18.3	18.6	16.3	15.4	13.5	14.7
		BIO716	17.9	16.2	14.8	14.3	16.8	14.3
		NK6240 (C)	17.3	17.8	15.5	13.7	13.7	14.0
		BIO9682 (C)	17.5	18.2	15.3	13.9	15.2	14.9
		CMH-08-287 (C)	17.6	17.7	14.6	14.2	13.6	14.0
		CMH-08-282 (C)	16.9	18.4	14.9	14.8	14.0	14.1
	150% RDF	DKC9178 (IQ8623)	19.6	20.2	16.9	15.7	13.9	15.2
		BIO716	19.1	17.0	15.6	14.6	14.5	14.9
		NK6240 (C)	18.5	17.7	16.2	14.3	13.9	14.5
		BIO9682 (C)	18.7	18.4	15.9	14.4	14.5	15.6
		CMH-08-287 (C)	18.9	18.0	15.1	14.6	13.5	14.5
		CMH-08-282 (C)	18.0	17.5	15.4	14.9	13.7	14.8
1,00,000	100% RDF	DKC9178 (IQ8623)	17.5	17.9	15.8	15.0	15.3	14.5
		BIO716	16.9	15.7	14.5	13.9	14.7	14.1
		NK6240 (C)	16.1	16.2	15.1	14.2	13.3	13.7
		BIO9682 (C)	16.3	17.1	14.8	13.9	14.5	14.7
		CMH-08-287 (C)	16.5	17.0	14.1	13.6	13.1	13.7
		CMH-08-282 (C)	15.6	17.7	14.4	14.3	13.9	13.7
	150% RDF	DKC9178 (IQ8623)	18.7	19.2	16.4	14.7	13.6	14.9
		BIO716	18.1	15.6	15.1	13.9	15.9	14.7
		NK6240 (C)	17.3	16.0	15.6	13.8	13.9	14.2
		BIO9682 (C)	17.4	18.0	15.3	13.9	14.1	14.9
		CMH-08-287 (C)	17.7	17.1	14.5	13.7	13.5	14.2
		CMH-08-282 (C)	16.9	18.0	14.9	14.2	13.2	14.3
Mean of location			17.6	17.6	15.3	14.3	14.2	14.5
83,333			18.2	18.0	15.5	14.6	14.2	14.6
1,00,000			17.1	17.1	15.0	14.1	14.1	14.3
CD at 5%			0.8	NS	NS	NS	NS	NS
CV (%)			4.3	10.5	4.7	5.0	7.5	2.5
100% RDF			17.0	17.4	15.0	14.3	14.3	14.2
150% RDF			18.2	17.7	15.6	14.4	14.0	14.7
CD at 5%			0.9	NS	NS	NS	NS	0.4
CV (%)			7.3	7.3	6.1	4.0	4.7	4.3
DKC9178 (IQ8623)			18.5	19.0	16.3	15.2	14.1	14.8
BIO716			18.0	16.1	15.0	14.2	15.5	14.5
NK6240 (C)			17.3	17.0	15.6	14.0	13.7	14.1
BIO9682 (C)			17.5	17.9	15.3	14.0	14.6	15.0
CMH-08-287 (C)			17.7	17.5	14.6	14.0	13.4	14.1
CMH-08-282 (C)			16.8	17.9	14.9	14.6	13.7	14.3
CD at 5%			NS	0.9	1.0	0.6	0.7	0.5
CV (%)			9.1	6.2	7.9	5.2	6.2	4.4

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A-15

Density	Nutrient levels	Genotypes	Grains/row		FAW infestation (%)	Shoot fly/plot at 30DAS
			Coimbatore	Hyderabad	Dharwad	Dharwad
83,333	100% RDF	DKC9178 (IQ8623)	37.9	38.8	1.00	1.00
		BIO716	36.5	33.5	2.00	1.33
		NK6240 (C)	34.3	33.1	1.67	1.00
		BIO9682 (C)	35.7	34.7	2.33	1.33
		CMH-08-287 (C)	33.2	36.0	1.00	1.00
		CMH-08-282 (C)	32.6	32.7	2.00	1.00
	150% RDF	DKC9178 (IQ8623)	39.8	40.9	1.00	1.00
		BIO716	38.3	31.8	0.67	1.00
		NK6240 (C)	35.9	32.8	2.00	0.67
		BIO9682 (C)	37.4	36.7	0.67	1.00
		CMH-08-287 (C)	34.7	36.0	2.33	0.33
		CMH-08-282 (C)	34.2	35.3	2.33	1.33
1,00,000	100% RDF	DKC9178 (IQ8623)	36.6	33.2	1.00	1.00
		BIO716	35.3	33.8	1.33	0.33
		NK6240 (C)	32.9	30.6	1.00	0.33
		BIO9682 (C)	34.4	34.9	2.00	0.67
		CMH-08-287 (C)	31.6	33.5	2.33	1.00
		CMH-08-282 (C)	30.9	33.4	1.67	1.33
	150% RDF	DKC9178 (IQ8623)	38.4	37.4	1.67	0.00
		BIO716	36.8	33.6	1.67	1.00
		NK6240 (C)	34.6	31.7	1.33	1.33
		BIO9682 (C)	35.9	36.8	1.33	1.67
		CMH-08-287 (C)	33.5	33.2	1.67	0.67
		CMH-08-282 (C)	32.7	33.1	1.33	0.67
Mean of location			35.2	34.5	1.56	0.92
83,333			35.9	35.2	1.58	1.00
1,00,000			34.5	33.8	1.53	0.83
CD at 5%			NS	NS	NS	NS
CV (%)			6.6	18.3	33.0	66.8
100% RDF			34.3	34.0	1.61	0.94
150% RDF			36.0	34.9	1.50	0.89
CD at 5%			1.2	NS	NS	NS
CV (%)			5.3	5.4	54.6	147.1
DKC9178 (IQ8623)			38.2	37.6	1.17	0.75
BIO716			36.7	33.2	1.42	0.92
NK6240 (C)			34.4	32.0	1.50	0.83
BIO9682 (C)			35.9	35.8	1.58	1.17
CMH-08-287 (C)			33.3	34.7	1.83	0.75
CMH-08-282 (C)			32.6	33.6	1.83	1.08
CD at 5%			1.7	1.9	NS	NS
CV (%)			5.9	6.7	52.0	58.6

Table 3: Performance of pre release medium maturity genotypes in *Kharif* under varying planting density and nutrients levels North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)				Stover yield (kg/ha)		Cob yield (kg/ha)
			Karnal	Ludhiana	Pantnagar	NWPZ	Ludhiana	Pantnagar	Karnal
66,000	100% RDF	JKMH 4157	6649	5521	3025	5065	7694	5222	7915
		BIO 9544 (C)	6456	5681	3962	5366	6875	5556	7569
		DHM 121 (C)	7511	5132		6322	7458		8667
	150% RDF	JKMH 4157	7692	6000	3336	5676	8549	5667	9158
		BIO 9544 (C)	7330	6174	4374	5959	7778	6333	8594
		DHM 121 (C)	8175	5667		6921	8285		9432
83,000	100% RDF	JKMH 4157	8190	6833	3688	6237	10097	6090	9750
		BIO 9544 (C)	7916	6465	4557	6313	8694	6303	9281
		DHM 121 (C)	9201	5951		7576	9514		10617
	150% RDF	JKMH 4157	9161	6806	3951	6639	10958	6410	10906
		BIO 9544 (C)	8593	7014	4809	6805	10354	6838	10075
		DHM 121 (C)	10046	6660		8353	10597		11592
Mean of location			8076.7	6158.6	3962.8	6066.0	8904.5	6052.4	9462.9
66,666			7302	5696	3674	5557	7773	5694	8556
83,333			8851	6622	4251	6575	10036	6410	10370
CD at 5%			345.3	885.2	NS	615.3	1366.7	NS	401.8
CV (%)			3.0	10.0	14.3	9.1	10.7	16	3
100% RDF			7654	5931	3808	5798	8389	5793	8966
150% RDF			8500	6387	4118	6335	9420	6312	9959
CD at 5%			299.4	371.9	119.8	263.7	573.3	NS	349.5
CV (%)			4.0	6.5	2.7	4.4	7	10.6	4
JKMH 4157			7923	6290	3500	5904	9325	5847	9432
BIO 9544 (C)			7574	6333	4426	6111	8425	6257	8880
DHM 121 (C)			8733	5852		7293	8964		10077
CD at 5%			239.7	410.9	465.2	371.9	648	NS	279.1
CV (%)			3.4	7.7	12.5	7.9	8.4	8.4	3.4

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A-17

Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	JKMH 4157	64.2	59.0	55.6	65.0	57.6	55.6
		BIO 9544 (C)	63.9	63.9	60.0	65.9	62.5	60.0
		DHM 121 (C)	64.2	63.9		65.7	58.3	
	150% RDF	JKMH 4157	64.2	61.8	53.3	65.2	60.4	53.3
		BIO 9544 (C)	64.2	63.2	64.4	65.7	61.1	64.4
		DHM 121 (C)	63.5	63.2		65.0	61.1	
83,000	100% RDF	JKMH 4157	81.3	79.9	66.2	82.4	77.8	66.2
		BIO 9544 (C)	80.6	79.2	79.1	81.8	77.8	79.1
		DHM 121 (C)	79.5	81.3		81.7	77.1	
	150% RDF	JKMH 4157	79.2	80.6	62.0	80.4	79.2	62.0
		BIO 9544 (C)	79.9	79.9	79.1	81.7	78.5	79.1
		DHM 121 (C)	79.9	79.9		81.3	79.2	
Mean of location			72.0	71.3	65.0	73.5	69.2	65.0
66,666			64.1	62.5	58.3	65.4	60.2	58.3
83,333			80.0	80.1	71.6	81.6	78.2	71.6
CD at 5%			1.6	5.9	10.1	0.4	5.4	10.1
CV (%)			1.5	5.7	8.9	0.3	5.4	8.9
100% RDF			72.3	71.2	65.2	73.8	68.5	65.2
150% RDF			71.8	71.4	64.7	73.2	69.9	64.7
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			2.5	2.7	9.4	1.1	6.6	9.4
JKMH 4157			72.2	70.3	59.3	73.3	68.8	59.3
BIO 9544 (C)			72.1	71.5	70.6	73.8	70.0	70.6
DHM 121 (C)			71.8	72.0		73.4	68.9	
CD at 5%			NS	NS	3.1	NS	NS	3.1
CV (%)			1.6	3.7	5.1	1.0	2.7	5.1

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A-18

Density	Nutrient levels	Genotypes	Plant height (cm)			Days to Maturity	100-seed weight (g)
			Karnal	Ludhiana	Pantnagar	Karnal	Pantnagar
66,000	100% RDF	JKMH 4157	162.3	170.0	159.0	88.8	21.9
		BIO 9544 (C)	170.0	150.0	157.6	88.3	23.1
		DHM 121 (C)	177.3	162.3		88.0	
	150% RDF	JKMH 4157	169.3	180.7	165.6	89.0	23.4
		BIO 9544 (C)	174.0	162.7	159.5	88.6	24.6
		DHM 121 (C)	179.7	178.3		88.7	
83,000	100% RDF	JKMH 4157	170.0	171.7	165.4	90.0	21.5
		BIO 9544 (C)	175.0	153.3	167.3	88.9	22.5
		DHM 121 (C)	185.0	168.3		89.0	
	150% RDF	JKMH 4157	176.7	183.3	168.5	90.8	22.8
		BIO 9544 (C)	181.0	165.0	169.2	90.3	23.4
		DHM 121 (C)	190.7	180.0		89.5	
Mean of location			175.9	168.8	164.0	89.2	22.9
66,666			172.1	167.3	160.4	88.6	23.2
83,333			179.7	170.3	167.6	89.7	22.5
CD at 5%			1.7	NS	NS	NS	NS
CV (%)			0.7	3.4	2.7	1.1	1.8
100% RDF			173.3	162.6	162.3	88.8	22.2
150% RDF			178.6	175.0	165.7	89.5	23.6
CD at 5%			2.4	8.9	NS	0.4	0.7
CV (%)			1.4	5.7	2.9	0.5	2.8
JKMH 4157			169.6	176.4	164.6	89.6	22.4
BIO 9544 (C)			175.0	157.8	163.4	89.1	23.4
DHM 121 (C)			183.2	172.3		88.8	
CD at 5%			5.0	6.3	NS	0.6	0.9
CV (%)			3.3	4.3	2.8	0.8	4.2

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Density	Nutrient levels	Genotypes	Days 50% tasseling			Days 50% silking		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	JKMH 4157	55.3	60.7	56.0	57.3	62.7	59.7
		BIO 9544 (C)	54.7	58.7	55.7	56.7	61.0	59.0
		DHM 121 (C)	51.3	59.7		53.3	62.3	
	150% RDF	JKMH 4157	53.7	60.3	56.7	55.7	62.0	59.7
		BIO 9544 (C)	53.7	57.7	56.7	55.7	59.7	59.7
		DHM 121 (C)	51.3	58.3		53.3	60.7	
83,000	100% RDF	JKMH 4157	56.3	61.0	56.7	58.3	63.0	59.7
		BIO 9544 (C)	55.7	59.3	56.3	57.7	61.7	59.3
		DHM 121 (C)	51.7	60.0		53.7	62.7	
	150% RDF	JKMH 4157	55.7	60.7	56.7	57.7	62.7	59.7
		BIO 9544 (C)	54.7	58.3	56.3	56.7	60.7	59.7
		DHM 121 (C)	51.3	59.0		53.3	61.0	
Mean of location			53.8	59.5	56.4	55.8	61.7	59.5
66,666			53.3	59.2	56.3	55.3	61.4	59.5
83,333			54.2	59.7	56.5	56.2	61.9	59.6
CD at 5%			NS	NS	NS	0.2	NS	NS
CV (%)			0.3	1.8	0.6	0.3	1.5	0.9
100% RDF			54.2	59.9	56.2	56.2	62.2	59.4
150% RDF			53.4	59.1	56.6	55.4	61.1	59.7
CD at 5%			NS	0.8	NS	0.7	0.5	NS
CV (%)			1.5	1.4	1.3	1.4	0.9	1.7
JKMH 4157			55.3	60.7	56.5	57.3	62.6	59.7
BIO 9544 (C)			54.7	58.5	56.3	56.7	60.8	59.4
DHM 121 (C)			51.4	59.3		53.4	61.7	
CD at 5%			NS	1.1	NS	0.5	1.0	NS
CV (%)			1.1	2.0	0.9	1.0	1.9	1.0

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A-20

Density	Nutrient levels	Genotypes	Net returns (Rs./ha)			B:C ratio		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	JKMH 4157	61890	46911	20044	2.58	1.16	0.64
		BIO 9544 (C)	59021	48245	35978	2.51	1.19	1.15
		DHM 121 (C)	74691	41098		2.90	1.01	
	150% RDF	JKMH 4157	74047	49967	22267	2.74	1.10	0.65
		BIO 9544 (C)	68672	51554	39902	2.61	1.14	1.16
		DHM 121 (C)	81206	44913		2.90	0.99	
83,000	100% RDF	JKMH 4157	84774	67463	30320	3.16	1.62	0.94
		BIO 9544 (C)	80701	60605	45098	3.05	1.46	1.39
		DHM 121 (C)	99789	54224		3.53	1.31	
	150% RDF	JKMH 4157	95849	63302	31716	3.24	1.37	0.89
		BIO 9544 (C)	87425	65576	46307	3.05	1.42	1.31
		DHM 121 (C)	108998	60809		3.54	1.31	
Mean of location			81421.9	54555.6	33954.0	2.98	1.26	1.02
66,666			69921	47115	29548	2.71	1.10	0.90
83,333			92923	61996	38360	3.26	1.41	1.13
CD at 5%			5127.3	14185.7	NS	0.1	NS	NS
CV (%)			4.4	18.1	28.5	2.9	18.7	29.1
100% RDF			76811	53091	32860	2.96	1.29	1.03
150% RDF			86033	56020	35048	3.01	1.22	1.00
CD at 5%			4446.5	NS	2036.0	NS	NS	NS
CV (%)			5.9	11.8	5.3	3.8	12.2	6.6
JKMH 4157			79140	56911	26087	2.93	1.31	0.78
BIO 9544 (C)			73955	56495	41821	2.81	1.30	1.25
DHM 121 (C)			91171	50261		3.22	1.16	
CD at 5%			3559.8	5568.2	7908.4	0.1	0.1	0.2
CV (%)			5.1	11.8	24.7	3.3	11.8	25.2

Table 4: Performance of pre release medium maturity genotypes in *Kharif* under varying planting density and nutrients levels North East Plain Zone (NEPZ).

Density	Nutrient levels	Genotype	Grain yield (kg/ha)				Stover yield (kg/ha)		Cob yield (kg/ha)	
			Dholi	Ranchi	Varanasi	NEPZ	Ranchi	Varanasi	Dholi	Varanasi
83,000	100% RDF	DKC 8174 (IQ 8319)	5060	6799	5448	5769	9933	16146	7310	6979
		BIO 9544 (C)	5538	6126	4502	5389	8600	17396	7978	6375
		DHM 121 (C)	5564	5922	4604	5363	9267	20938	7951	6302
		CMH-08-292 (C)	5599	6238	3913	5250	11044	14167	8178	5333
	150% RDF	DKC 8174 (IQ 8319)	5001	7337	3583	5307	10900	13333	7427	5115
		BIO 9544 (C)	5626	6492	4370	5496	10122	13021	7820	6063
		DHM 121 (C)	5993	6158	2564	4905	10178	18229	8407	3615
		CMH-08-292 (C)	4998	7056	1787	4614	11067	13542	7260	2631
1,00,000	100% RDF	DKC 8174 (IQ 8319)	6450	7183	3062	5565	11733	21458	9242	4302
		BIO 9544 (C)	6473	6358	4118	5650	11067	20417	9640	5833
		DHM 121 (C)	6411	6267	4284	5654	11289	15833	10099	5781
		CMH-08-292 (C)	6649	7411	3747	5936	13067	21146	10028	4990
	150% RDF	DKC 8174 (IQ 8319)	6717	7786	3684	6062	11933	20938	9360	5417
		BIO 9544 (C)	7232	7031	6201	6821	11044	24063	9922	8542
		DHM 121 (C)	7330	6222	3679	5744	11711	22917	10202	5104
		CMH-08-292 (C)	6828	7284	3535	5882	12711	21458	10013	4583
Mean of location			6091.9	6729.3	3942.4	5587.9	10979.2	18437.5	8802.3	5435.3
83,000			5422	6516	3846	5261	10139	15846	7791	5302
1,00,000			6761	6943	4039	5914	11819	21029	9813	5569
CD at 5%			613.1	NS	NS	613.1	1062.3	NS	883.2	NS
CV (%)			8.1	13.9	12.7	11.6	7.8	6.4	8.1	14.3
100% RDF			5968	6538	4210	5572	10750	18438	8803	5737
150% RDF			6216	6921	3675	5604	11208	18438	8801	5134
CD at 5%			NS	346.8	NS	346.8	NS	NS	NS	NS
CV (%)			8.5	6.4	25.2	13.4	6.2	20.5	8.5	24.3
DKC 8174 (IQ 8319)			5807	7276	3944	5676	11125	17969	8335	5453
BIO 9544 (C)			6217	6502	4797	5839	10208	18724	8840	6703
DHM 121 (C)			6325	6142	3783	5417	10611	19479	9165	5201
CMH-08-292 (C)			6018	6997	3245	5420	11972	17578	8870	4384
CD at 5%			279.4	472	867.1	539.5	784.7	NS	402.1	1173.8
CV (%)			5.4	8.3	20.2	11.3	8.5	12.4	5.4	19.8

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Density	Nutrient levels	Genotype	Plants ('000/ha)			Cobs ('000/ha)		
			Dholi	Ranchi	Varanasi	Dholi	Ranchi	Varanasi
83,000	100% RDF	DKC 8174 (IQ 8319)	81.5	64.4	57.3	85.5	62.2	60.4
		BIO 9544 (C)	82.1	64.4	55.2	86.2	68.9	58.3
		DHM 121 (C)	82.1	64.4	56.3	86.2	62.2	60.4
		CMH-08-292 (C)	82.5	64.4	56.3	86.6	63.3	57.3
	150% RDF	DKC 8174 (IQ 8319)	82.7	63.3	50.0	84.2	64.4	51.0
		BIO 9544 (C)	80.8	65.6	57.3	84.9	64.4	63.5
		DHM 121 (C)	83.4	62.2	56.3	84.1	57.8	58.3
		CMH-08-292 (C)	81.7	63.3	53.1	86.2	64.4	51.0
1,00,000	100% RDF	DKC 8174 (IQ 8319)	97.1	81.1	64.6	102.0	74.4	64.6
		BIO 9544 (C)	97.2	78.9	65.6	102.1	71.1	65.6
		DHM 121 (C)	97.0	78.9	64.6	101.9	65.6	66.7
		CMH-08-292 (C)	97.3	80.0	64.6	102.2	66.7	66.7
	150% RDF	DKC 8174 (IQ 8319)	97.1	83.3	71.9	99.4	72.2	71.9
		BIO 9544 (C)	96.2	80.0	74.0	104.6	67.8	76.0
		DHM 121 (C)	96.0	78.9	64.6	101.4	72.2	64.6
		CMH-08-292 (C)	98.1	78.9	64.6	100.1	72.2	65.6
Mean of location			89.5	72.0	61.0	93.6	66.9	62.6
83,000			82.1	64.0	55.2	85.5	63.5	57.6
1,00,000			97.0	80.0	66.8	101.7	70.3	67.7
CD at 5%			1.0	11.4	NS	5.6	3.9	NS
CV (%)			0.9	12.7	10.3	4.8	4.7	17.6
100% RDF			89.6	72.1	60.5	94.1	66.8	62.5
150% RDF			89.5	71.9	61.5	93.1	66.9	62.8
CD at 5%			NS	NS	NS	0.1	NS	NS
CV (%)			0.6	4.8	8.2	0.1	5.0	8.6
DKC 8174 (IQ 8319)			89.6	73.1	60.9	92.8	68.3	62.0
BIO 9544 (C)			89.1	72.2	63.0	94.4	68.1	65.9
DHM 121 (C)			89.6	71.1	60.4	93.4	64.4	62.5
CMH-08-292 (C)			89.9	71.7	59.6	93.8	66.7	60.2
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			3.1	5.1	8.8	4.9	8.7	8.5

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A-23

Density	Nutrient levels	Genotype	Plant height (cm)			Ear height (cm)	100 seed weight (g)	
			Dholi	Ranchi	Varanasi	Dholi	Ranchi	Varanasi
83,000	100% RDF	DKC 8174 (IQ 8319)	136.3	217.4	195.8	49.7	33.4	24.3
		BIO 9544 (C)	111.7	190.8	155.8	51.3	32.2	24.8
		DHM 121 (C)	171.3	218.0	167.5	84.3	33.2	24.8
		CMH-08-292 (C)	159.7	241.4	179.2	69.3	31.8	25.6
	150% RDF	DKC 8174 (IQ 8319)	136.0	221.3	170.0	50.3	35.3	25.2
		BIO 9544 (C)	110.7	205.0	137.5	50.7	33.3	24.7
		DHM 121 (C)	169.7	213.1	162.5	86.0	33.6	27.1
		CMH-08-292 (C)	162.0	245.9	172.3	68.7	35.2	24.1
1,00,000	100% RDF	DKC 8174 (IQ 8319)	124.7	221.1	171.7	47.7	32.5	24.7
		BIO 9544 (C)	104.7	191.1	154.2	39.3	30.6	22.8
		DHM 121 (C)	151.3	220.0	175.0	59.3	32.1	23.3
		CMH-08-292 (C)	169.3	241.5	186.7	79.3	34.6	25.6
	150% RDF	DKC 8174 (IQ 8319)	124.7	229.3	187.5	48.0	34.5	24.0
		BIO 9544 (C)	104.0	216.4	155.0	39.3	33.0	26.1
		DHM 121 (C)	154.3	227.6	172.5	58.3	31.2	24.8
		CMH-08-292 (C)	167.7	243.5	190.0	80.7	33.2	28.3
Mean of location			141.1	221.5	170.8	60.1	33.1	25.0
83,000			144.7	219.1	167.6	63.8	33.5	25.1
1,00,000			137.6	223.8	174.1	56.5	32.7	25.0
CD at 5%			1.5	NS	NS	0.5	NS	NS
CV (%)			0.8	9.2	10.7	0.6	8.9	3.8
100% RDF			141.1	217.7	173.2	60.0	32.6	24.5
150% RDF			141.1	225.3	168.4	60.3	33.7	25.5
CD at 5%			NS	2.3	NS	NS	1.1	0.2
CV (%)			0.2	1.3	13.7	0.6	4.1	0.6
DKC 8174 (IQ 8319)			130.4	222.3	181.3	48.9	34.0	24.6
BIO 9544 (C)			107.8	200.8	150.6	45.2	32.3	24.6
DHM 121 (C)			161.7	219.7	169.4	72.0	32.5	25.0
CMH-08-292 (C)			164.7	243.1	182.0	74.5	33.7	25.9
CD at 5%			4.0	12.0	15.1	1.7	NS	NS
CV (%)			3.3	6.4	8.1	3.4	5.3	5.7

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Density	Nutrient levels	Genotype	Days of 50% tasseling			Days of 50% silking			Days of maturity
			Dholi	Ranchi	Varanasi	Dholi	Ranchi	Varanasi	Dholi
83,000	100% RDF	DKC 8174 (IQ 8319)	53.7	47.0	59.5	56.0	52.7	62.5	97.3
		BIO 9544 (C)	54.3	46.3	60.5	57.3	50.3	64.5	95.3
		DHM 121 (C)	52.7	46.7	60.5	55.7	50.7	66.5	94.3
		CMH-08-292 (C)	51.7	47.0	60.0	51.7	50.3	62.5	93.3
	150% RDF	DKC 8174 (IQ 8319)	53.3	46.3	61.0	55.7	50.3	63.5	96.3
		BIO 9544 (C)	54.3	44.3	63.5	56.3	48.3	70.5	94.3
		DHM 121 (C)	51.7	44.7	61.0	55.0	49.7	64.0	93.3
		CMH-08-292 (C)	52.3	46.3	61.0	52.7	48.3	69.0	94.3
1,00,000	100% RDF	DKC 8174 (IQ 8319)	56.7	48.3	60.5	58.7	52.3	65.0	98.7
		BIO 9544 (C)	54.7	48.3	61.0	57.0	50.3	64.5	100.0
		DHM 121 (C)	53.3	45.7	60.5	53.3	50.7	65.0	98.3
		CMH-08-292 (C)	55.7	48.3	58.5	58.7	50.3	63.0	97.3
	150% RDF	DKC 8174 (IQ 8319)	56.7	47.7	59.0	58.7	52.3	66.0	100.0
		BIO 9544 (C)	54.3	47.3	60.5	56.7	51.0	64.0	98.3
		DHM 121 (C)	54.3	48.3	60.5	54.3	52.0	65.0	97.3
		CMH-08-292 (C)	54.7	47.3	59.5	58.0	51.0	63.5	98.3
Mean of location			54.0	46.9	60.4	56.0	50.7	64.9	96.7
83,000			53.0	46.1	60.9	55.0	50.1	65.4	94.8
1,00,000			55.0	47.7	60.0	56.9	51.3	64.5	98.5
CD at 5%			0.8	NS	NS	0.6	NS	NS	0.7
CV (%)			1.2	7.9	5.8	0.9	4.9	6.0	0.6
100% RDF			54.1	47.2	60.1	56.0	51.0	64.2	96.8
150% RDF			54.0	46.5	60.8	55.9	50.4	65.7	96.5
CD at 5%			NS	NS	NS	NS	NS	NS	0.2
CV (%)			0.4	5.2	4.8	0.6	5.2	3.8	0.3
DKC 8174 (IQ 8319)			55.1	47.3	60.0	57.3	51.9	64.3	98.1
BIO 9544 (C)			54.4	46.6	61.4	56.8	50.0	65.9	97.0
DHM 121 (C)			53.0	46.3	60.6	54.6	50.8	65.1	95.8
CMH-08-292 (C)			53.6	47.3	59.8	55.3	50.0	64.5	95.8
CD at 5%			NS	NS	NS	1.7	1.0	NS	NS
CV (%)			3.4	2.5	2.3	3.5	2.2	3.1	2.8

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A-25

Density	Nutrient levels	Genotype	Net Return (Rs./ha)		B:C Ratio		Moisture (%)		Shelling (%)
			Dholi	Ranchi	Dholi	Ranchi	Dholi	Varanasi	Varanasi
83,000	100% RDF	DKC 8174 (IQ 8319)	37015	62633	0.95	1.92	26.4	33.2	78.1
		BIO 9544 (C)	44176	52846	1.14	1.62	26.2	36.7	70.6
		DHM 121 (C)	44564	50638	1.15	1.55	25.6	32.4	72.7
		CMH-08-292 (C)	45098	56032	1.16	1.71	27.2	33.4	73.4
	150% RDF	DKC 8174 (IQ 8319)	36125	67015	0.93	1.86	28.4	34.4	70.4
		BIO 9544 (C)	45505	55366	1.17	1.54	23.5	36.3	71.8
		DHM 121 (C)	51007	51007	1.31	1.42	24.2	31.8	71.5
		CMH-08-292 (C)	36082	63435	0.93	1.76	26.8	34.4	67.7
1,00,000	100% RDF	DKC 8174 (IQ 8319)	57855	67699	1.49	2.03	25.8	31.9	71.2
		BIO 9544 (C)	58211	56376	1.50	1.69	28.6	35.8	70.5
		DHM 121 (C)	57282	55333	1.47	1.66	32.5	33.9	73.9
		CMH-08-292 (C)	60843	71627	1.56	2.14	29.5	28.6	75.5
	150% RDF	DKC 8174 (IQ 8319)	61861	72391	1.59	1.97	23.7	35.6	67.9
		BIO 9544 (C)	69593	61848	1.79	1.68	22.5	29.5	72.6
		DHM 121 (C)	71066	51678	1.83	1.41	23.6	33.1	72.1
		CMH-08-292 (C)	63526	66346	1.63	1.81	27.5	29.3	77.1
Mean of location			52488.1	60141.8	1.35	1.74	26.4	33.1	72.3
83,000			42446	57371	1.09	1.67	26.0	34.1	72.0
1,00,000			62530	62912	1.61	1.80	26.7	32.2	72.6
CD at 5%			9196.8	NS	0.2	NS		NS	NS
CV (%)			14.1	20.7	14.1	20.2		6.9	1.9
100% RDF			50631	59148	1.30	1.79	27.7	33.2	73.3
150% RDF			54346	61135	1.40	1.68	25.0	33.0	71.4
CD at 5%			NS	NS	NS	NS		NS	NS
CV (%)			14.8	9.6	14.8	8.5		4.6	1.3
DKC 8174 (IQ 8319)			48214	67434	1.24	1.94	26.1	33.7	71.9
BIO 9544 (C)			54371	56609	1.40	1.63	25.2	34.6	71.4
DHM 121 (C)			55980	52164	1.44	1.51	26.5	32.8	72.5
CMH-08-292 (C)			51387	64360	1.32	1.86	27.8	31.4	73.4
CD at 5%			4190.4	6483.9	0.1	0.2		1.8	NS
CV (%)			9.5	12.8	9.5	13.3		4.9	2.6

Table 5: Performance of pre release medium maturity genotypes in *Kharif* under varying planting density and nutrients levels Peninsular Zone (PZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)					
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai	PZ
83,000	100% RDF	DKC 9179	7943	6957	6763	6526	9797	7597
		BIO 9544 (C)	7574	6831	6057	6030	9433	7185
		DHM 121 (C)	7092	6607	5912	5673	9400	6937
	150% RDF	DKC 9179	8245	7155	7070	6832	10591	7979
		BIO 9544 (C)	7863	6987	6287	6312	9239	7338
		DHM 121 (C)	7361	7254	6450	6046	8252	7073
1,00,000	100% RDF	DKC 9179	8491	6803	7472	7031	9031	7766
		BIO 9544 (C)	8097	6751	7299	6658	9187	7598
		DHM 121 (C)	7582	6418	6040	5826	8677	6909
	150% RDF	DKC 9179	8814	7090	7466	7264	10619	8251
		BIO 9544 (C)	8406	7106	7497	6935	8700	7729
		DHM 121 (C)	7869	7142	6520	6343	6534	6882
Mean of location			7944.8	6925.1	6736.1	6456.4	9121.6	7436.8
83,000			7680	6965	6423	6236	9452	7351
1,00,000			8210	6885	7049	6676	8791	7522
CD at 5%			NS	NS	NS	224.2	NS	224.2
CV (%)			7.4	0.5	24	2.4	32.5	13.4
100% RDF			7797	6728	6591	6291	9254	7332
150% RDF			8093	7122	6882	6622	8989	7542
CD at 5%			NS	136.7	NS	NS	NS	136.7
CV (%)			8.4	1.1	5.2	11.8	13.8	8.1
DKC 9179			8373	7001	7193	6913	10010	7898
BIO 9544 (C)			7985	6919	6785	6484	9140	7463
DHM 121 (C)			7476	6855	6231	5972	8216	6950
CD at 5%			517.6	NS	669.6	657.8	1020	716.3
CV (%)			7.5	5.8	11.5	11.8	12.9	9.9

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A-27

Density	Nutrient levels	Genotypes	Stover yield (kg/ha)					Cob yield (kg/ha)
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai	Karimnagar
83,000	100% RDF	DKC 9179	12868	8250	2750	8956	11326	9415
		BIO 9544 (C)	12202	7558	2417	8439	18677	8707
		DHM 121 (C)	11368	7710	2278	7772	18104	8270
	150% RDF	DKC 9179	13291	8198	2500	9262	17288	9670
		BIO 9544 (C)	12494	8028	2667	8721	13240	9022
		DHM 121 (C)	11630	9328	2722	8145	17947	8896
1,00,000	100% RDF	DKC 9179	13755	6643	1611	9641	18817	10918
		BIO 9544 (C)	13046	8449	1750	9067	15047	10100
		DHM 121 (C)	12138	7538	1945	7925	21963	8552
	150% RDF	DKC 9179	14107	7733	2861	9694	22638	10655
		BIO 9544 (C)	13601	7855	2931	9344	14471	10548
		DHM 121 (C)	12592	8009	2667	8442	22896	9307
Mean of location			12757.7	7941.5	2425.0	8784.0	17701.1	9505.2
83,000			12309	8178	2556	8549	16097	8997
1,00,000			13206	7705	2294	9019	19305	10013
CD at 5%			NS	NS	NS	177.3	1320.7	NS
CV (%)			8.0	2.9	11.7	1.4	5.2	16.6
100% RDF			12563	7691	2125	8633	17322	9327
150% RDF			12952	8192	2725	8935	18080	9683
CD at 5%			NS	NS	495.6	NS	NS	NS
CV (%)			10.5	4.1	22.1	8.9	6.2	4.3
DKC 9179			13505	7706	2431	9388	17517	10165
BIO 9544 (C)			12836	7972	2441	8893	15359	9594
DHM 121 (C)			11932	8146	2403	8071	20228	8756
CD at 5%			659.7	NS	NS	667.4	2328.1	935.3
CV (%)			6.0	5.3	16.5	8.8	15.2	11.4

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Density	Nutrient levels	Genotypes	Plants (000'ha)				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	75.9	79.7	76.3	78.3	75.0
		BIO 9544 (C)	72.2	79.6	72.6	76.4	70.0
		DHM 121 (C)	72.2	80.3	75.2	75.1	72.8
	150% RDF	DKC 9179	76.9	80.4	77.0	78.2	68.9
		BIO 9544 (C)	76.9	80.1	76.7	76.7	64.4
		DHM 121 (C)	69.4	78.6	74.1	76.0	62.2
1,00,000	100% RDF	DKC 9179	89.8	96.1	93.3	94.4	75.6
		BIO 9544 (C)	77.8	94.3	87.8	89.6	74.4
		DHM 121 (C)	84.3	95.3	86.3	88.2	73.9
	150% RDF	DKC 9179	77.8	95.6	92.6	95.1	85.0
		BIO 9544 (C)	84.2	94.1	90.0	91.5	63.3
		DHM 121 (C)	79.6	94.1	88.5	90.3	71.1
Mean of location			78.1	87.4	82.5	84.2	71.4
83,000			73.9	79.8	75.3	76.8	68.9
1,00,000			82.2	94.9	89.8	91.5	73.9
CD at 5%			NS	4.0	1.2	0.9	NS
CV (%)			9.8	0.9	1.0	0.8	12.9
100% RDF			78.7	87.5	81.9	83.7	73.6
150% RDF			77.5	87.2	83.1	84.6	69.2
CD at 5%			NS	NS	NS	NS	NS
CV (%)			5.1	3.7	3.4	1.8	18.7
DKC 9179			80.1	88.0	84.8	86.5	76.1
BIO 9544 (C)			77.8	87.0	81.8	83.6	68.1
DHM 121 (C)			76.4	87.1	81.0	82.4	70.0
CD at 5%			NS	NS	2.7	1.7	NS
CV (%)			6.3	0.9	3.8	2.4	13.1

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Density	Nutrient levels	Genotypes	Cobs (000'ha)			
			Coimbatore	Dharwad	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	71.3	80.1	76.2	66.1
		BIO 9544 (C)	68.5	79.9	74.3	60.6
		DHM 121 (C)	68.5	80.8	73.5	64.4
	150% RDF	DKC 9179	71.3	81.3	76.4	63.3
		BIO 9544 (C)	70.4	81.0	75.6	56.1
		DHM 121 (C)	67.6	79.5	72.2	52.2
1,00,000	100% RDF	DKC 9179	81.5	96.7	93.1	66.7
		BIO 9544 (C)	70.4	95.0	88.2	60.0
		DHM 121 (C)	78.7	95.9	87.4	53.9
	150% RDF	DKC 9179	71.3	96.1	93.3	69.4
		BIO 9544 (C)	78.7	94.2	89.5	58.9
		DHM 121 (C)	75.0	94.8	88.2	49.4
Mean of location			72.8	87.9	82.3	60.1
83,000			69.6	80.4	74.7	60.5
1,00,000			75.9	95.5	90.0	59.7
CD at 5%			NS	3.5	1.2	NS
CV (%)			19.8	0.8	1.0	3.9
100% RDF			73.2	88.1	82.1	61.9
150% RDF			72.4	87.8	82.5	58.2
CD at 5%			NS	NS	NS	NS
CV (%)			7.2	3.3	1.6	13.0
DKC 9179			73.8	88.6	84.7	66.4
BIO 9544 (C)			72.0	87.5	81.9	58.9
DHM 121 (C)			72.5	87.8	80.3	55.0
CD at 5%			NS	0.8	1.7	6.3
CV (%)			7.5	0.8	2.4	12.1

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Density	Nutrient levels	Genotypes	Plant height (cm)					Ear height (cm)
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai	Karimnagar
83,000	100% RDF	DKC 9179	228.2	204.3	169.7	154.3	227.7	71.0
		BIO 9544 (C)	224.1	206.0	163.3	130.7	225.7	77.7
		DHM 121 (C)	230.8	218.3	159.3	142.3	235.4	65.3
	150% RDF	DKC 9179	234.2	216.1	164.3	159.4	234.5	68.7
		BIO 9544 (C)	230.4	228.7	162.0	134.5	240.8	56.7
		DHM 121 (C)	236.6	228.3	161.0	145.7	235.5	68.3
1,00,000	100% RDF	DKC 9179	230.8	212.1	154.3	150.2	235.5	71.7
		BIO 9544 (C)	226.9	222.7	160.7	126.5	229.4	75.7
		DHM 121 (C)	233.1	224.7	158.0	137.6	235.8	74.7
	150% RDF	DKC 9179	236.4	222.1	164.7	160.2	235.6	73.0
		BIO 9544 (C)	232.5	218.0	162.0	135.1	229.9	81.3
		DHM 121 (C)	238.9	231.6	156.0	141.3	236.2	64.3
Mean of location			231.9	219.4	161.3	143.1	233.5	70.7
83,000			230.7	216.9	163.3	144.5	233.3	67.9
1,00,000			233.1	221.9	159.3	141.8	233.7	73.4
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			5.1	1.9	4.0	4.9	2.3	26.0
100% RDF			229.0	214.7	160.9	140.3	231.6	72.7
150% RDF			234.8	224.1	161.7	146.0	235.4	68.7
CD at 5%			NS	NS	NS	NS	1.6	NS
CV (%)			4.7	6.3	3.2	7.4	0.7	15.2
DKC 9179			232.4	213.6	163.3	156.0	233.3	71.1
BIO 9544 (C)			228.5	218.9	162.0	131.7	231.5	72.8
DHM 121 (C)			234.9	225.7	158.6	141.7	235.7	68.2
CD at 5%			NS	NS	NS	7.9	NS	NS
CV (%)			5.8	4.2	3.7	6.4	2.0	19.2

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Density	Nutrient levels	Genotypes	Days to 50% tasseling				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	53.0	42.5	55.0	56.0	56.0
		BIO 9544 (C)	52.7	43.0	54.3	55.0	57.3
		DHM 121 (C)	52.7	44.5	55.7	56.3	57.0
	150% RDF	DKC 9179	53.7	41.5	55.7	56.3	57.7
		BIO 9544 (C)	53.3	44.5	55.0	55.0	57.0
		DHM 121 (C)	53.3	46.0	55.3	56.0	57.0
1,00,000	100% RDF	DKC 9179	52.7	43.0	55.0	56.0	57.7
		BIO 9544 (C)	52.3	43.5	54.0	55.0	57.0
		DHM 121 (C)	52.0	45.0	55.7	56.7	57.3
	150% RDF	DKC 9179	53.7	43.0	55.3	56.3	58.7
		BIO 9544 (C)	53.0	45.0	56.0	56.0	58.3
		DHM 121 (C)	52.7	45.0	55.7	56.3	58.3
Mean of location			52.9	43.9	55.2	55.9	57.4
83,000			53.1	43.7	55.2	55.8	57.0
1,00,000			52.7	44.1	55.3	56.1	57.9
CD at 5%			NS	NS	NS	NS	NS
CV (%)			4.4	0.5	0.3	1.8	2.0
100% RDF			52.6	43.6	54.9	55.8	57.1
150% RDF			53.3	44.2	55.5	56.0	57.8
CD at 5%			NS	NS	NS	NS	NS
CV (%)			7.7	4.4	1.2	1.7	2.4
DKC 9179			53.3	42.5	55.3	56.2	57.5
BIO 9544 (C)			52.8	44.0	54.8	55.3	57.4
DHM 121 (C)			52.7	45.1	55.6	56.3	57.4
CD at 5%			NS	1.0	0.6	0.7	NS
CV (%)			5.4	1.9	1.1	1.5	1.3

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Density	Nutrient levels	Genotypes	Days to 50% silking				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	55.7	49.5	58.7	59.0	57.7
		BIO 9544 (C)	55.7	49.5	58.3	58.0	58.3
		DHM 121 (C)	55.3	49.0	59.3	59.7	57.7
	150% RDF	DKC 9179	56.7	48.5	59.3	59.7	59.0
		BIO 9544 (C)	56.0	51.0	59.0	58.0	58.3
		DHM 121 (C)	56.3	50.5	59.7	59.3	58.7
1,00,000	100% RDF	DKC 9179	55.7	49.0	59.3	59.0	58.3
		BIO 9544 (C)	55.0	50.0	58.0	58.3	58.0
		DHM 121 (C)	55.0	48.0	59.0	60.0	58.7
	150% RDF	DKC 9179	56.7	47.5	60.0	59.7	59.3
		BIO 9544 (C)	55.7	45.0	60.0	60.0	59.3
		DHM 121 (C)	55.7	50.0	60.3	60.7	59.7
Mean of location			55.8	49.0	59.3	59.3	58.6
83,000			55.9	49.7	59.1	58.9	58.3
1,00,000			55.6	48.3	59.4	59.6	58.9
CD at 5%			NS	NS	NS	NS	NS
CV (%)			2.7	3.8	1.7	2.2	1.2
100% RDF			55.4	49.2	58.8	59.0	58.1
150% RDF			56.2	48.8	59.7	59.6	59.1
CD at 5%			NS	NS	0.5	NS	NS
CV (%)			7.0	0.9	0.9	2.1	2.1
DKC 9179			56.2	48.6	59.3	59.3	58.6
BIO 9544 (C)			55.6	48.9	58.8	58.6	58.5
DHM 121 (C)			55.6	49.4	59.6	59.9	58.7
CD at 5%			NS	NS	0.6	0.9	NS
CV (%)			5.0	4.5	1.1	1.7	1.4

Cont…

Density	Nutrient levels	Genotypes	100-seed weight (g)				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	38.6	31.6	42.0	34.7	36.7
		BIO 9544 (C)	36.1	30.5	36.3	32.5	31.3
		DHM 121 (C)	36.9	31.8	35.3	30.6	36.7
	150% RDF	DKC 9179	39.3	31.3	36.7	36.2	38.0
		BIO 9544 (C)	36.5	30.8	37.0	33.7	35.3
		DHM 121 (C)	37.5	32.4	36.7	31.3	36.7
1,00,000	100% RDF	DKC 9179	37.7	30.5	41.7	34.0	40.0
		BIO 9544 (C)	35.1	31.3	34.7	31.3	31.3
		DHM 121 (C)	35.9	30.8	34.3	29.4	33.3
	150% RDF	DKC 9179	38.3	32.6	39.7	35.7	34.0
		BIO 9544 (C)	35.5	30.5	36.7	32.6	33.0
		DHM 121 (C)	36.4	30.1	35.3	30.5	35.3
Mean of location			37.0	31.2	37.2	32.7	35.1
83,000			37.5	31.4	37.3	33.1	35.8
1,00,000			36.5	31.0	37.1	32.3	34.5
CD at 5%			NS	NS	NS	NS	NS
CV (%)			3.6	7.2	3.5	5.8	3.3
100% RDF			36.7	31.1	37.4	32.1	34.9
150% RDF			37.3	31.3	37.0	33.3	35.4
CD at 5%			NS	NS	NS	NS	NS
CV (%)			7.8	7.2	5.8	4.9	10.8
DKC 9179			38.5	31.5	40.0	35.2	37.2
BIO 9544 (C)			35.8	30.8	36.2	32.5	32.8
DHM 121 (C)			36.7	31.3	35.4	30.4	35.5
CD at 5%			NS	NS	3.0	1.4	3.1
CV (%)			6.8	4.9	9.2	5.0	10.2

Cont…

Density	Nutrient levels	Genotypes	Net return (Rs./ha)				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	78938	79315	49500	52868	79210
		BIO 9544 (C)	72732	77289	37495	45922	73749
		DHM 121 (C)	64668	73715	35037	40934	73255
	150% RDF	DKC 9179	80424	76472	51287	54110	88238
		BIO 9544 (C)	73892	73797	37974	46828	67947
		DHM 121 (C)	65503	78072	40746	43098	53150
1,00,000	100% RDF	DKC 9179	85040	76850	57260	57986	67711
		BIO 9544 (C)	78421	76009	54330	52759	70051
		DHM 121 (C)	69788	70691	32929	41117	62404
	150% RDF	DKC 9179	86775	75438	56162	58232	88655
		BIO 9544 (C)	80149	75700	56676	53619	59866
		DHM 121 (C)	71085	76266	40080	45333	27373
Mean of location			75617.9	75801.1	45789.6	49400.4	67634.1
83,000			72693	76443	42006	47293	72591
1,00,000			78543	75159	49573	51507	62677
CD at 5%			NS	NS	NS	3138.3	NS
CV (%)			12.4	2.4	60.1	4.4	65.8
100% RDF			74931	75645	44425	48598	71063
150% RDF			76305	75957	47154	50203	64205
CD at 5%			NS	NS	NS	NS	NS
CV (%)			14.5	2.3	13.0	21.5	27.9
DKC 9179			82794	77019	53552	55799	80954
BIO 9544 (C)			76298	75699	46619	49782	67903
DHM 121 (C)			67761	74686	37198	42620	54045
CD at 5%			7786.9	NS	11382.8	9209.0	15299.3
CV (%)			11.9	7.9	28.7	21.5	26.1

Cont…

Density	Nutrient levels	Genotypes	B:C ratio				
			Coimbatore	Dharwad	Karimnagar	Peddapuram	Vagarai
83,000	100% RDF	DKC 9179	2.49	2.83	1.76	2.37	2.17
		BIO 9544 (C)	2.37	2.77	1.57	2.19	2.09
		DHM 121 (C)	2.22	2.68	1.54	2.06	2.08
	150% RDF	DKC 9179	2.42	2.45	1.74	2.30	2.25
		BIO 9544 (C)	2.31	2.39	1.55	2.13	1.96
		DHM 121 (C)	2.16	2.48	1.59	2.04	1.75
1,00,000	100% RDF	DKC 9179	2.52	2.76	1.82	2.43	2.00
		BIO 9544 (C)	2.40	2.74	1.78	2.30	2.03
		DHM 121 (C)	2.25	2.61	1.47	2.02	1.92
	150% RDF	DKC 9179	2.46	2.43	1.79	2.34	2.26
		BIO 9544 (C)	2.35	2.43	1.80	2.23	1.85
		DHM 121 (C)	2.19	2.44	1.57	2.04	1.39
Mean of location			2.34	2.58	1.67	2.21	1.98
83,000			2.33	2.60	1.63	2.18	2.05
1,00,000			2.36	2.57	1.71	2.23	1.91
CD at 5%			NS	NS	NS	NS	NS
CV (%)			6.9	1.7	23.8	2.5	32.4
100% RDF			2.37	2.73	1.66	2.23	2.05
150% RDF			2.31	2.44	1.67	2.18	1.91
CD at 5%			NS	0.1	NS	NS	NS
CV (%)			8.1	1.5	5.3	11.8	13.9
DKC 9179			2.47	2.62	1.78	2.36	2.17
BIO 9544 (C)			2.36	2.58	1.68	2.21	1.98
DHM 121 (C)			2.20	2.55	1.54	2.04	1.79
CD at 5%			NS	NS	0.2	0.2	0.2
CV (%)			6.8	5.8	11.3	11.7	12.8

Cont…

Density	Nutrient levels	Genotypes	Cob length (cm)		Cob girth (cm)		Grain rows/cob	
			Coimbatore	Karimnagar	Coimbatore	Karimnagar	Coimbatore	Karimnagar
83,000	100% RDF	DKC 9179	18.2	18.6	15.4	16.3	14.8	13.2
		BIO 9544 (C)	17.3	18.2	14.5	16.4	14.7	13.2
		DHM 121 (C)	16.5	16.2	13.9	16.3	14.5	13.6
	150% RDF	DKC 9179	18.8	18.6	15.9	17.0	15.1	13.5
		BIO 9544 (C)	17.7	19.1	15.1	16.8	14.8	13.5
		DHM 121 (C)	17.1	18.1	14.5	15.9	14.5	13.5
1,00,000	100% RDF	DKC 9179	17.5	18.8	14.7	17.1	14.5	13.2
		BIO 9544 (C)	16.3	18.5	13.7	17.9	14.3	13.9
		DHM 121 (C)	15.6	18.2	13.2	16.5	14.1	13.9
	150% RDF	DKC 9179	18.0	19.4	15.1	17.1	14.7	13.2
		BIO 9544 (C)	16.9	19.9	14.2	17.3	14.5	13.2
		DHM 121 (C)	16.1	17.9	13.4	16.8	14.1	13.9
Mean of location			17.2	18.5	14.5	16.8	14.6	13.5
83,000			17.6	18.1	14.9	16.4	14.7	13.4
1,00,000			16.7	18.8	14.0	17.1	14.4	13.5
CD at 5%			0.5	NS	NS	NS	NS	NS
CV (%)			2.0	4.6	6.2	5.8	8.8	2.3
100% RDF			16.9	18.1	14.2	16.7	14.5	13.5
150% RDF			17.4	18.8	14.7	16.8	14.6	13.4
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			4.4	12.8	5.9	8.6	8.8	7.6
DKC 9179			18.1	18.9	15.3	16.9	14.8	13.3
BIO 9544 (C)			17.0	18.9	14.4	17.1	14.6	13.4
DHM 121 (C)			16.3	17.6	13.7	16.4	14.3	13.7
CD at 5%			1.0	1.0	0.8	NS	NS	NS
CV (%)			6.5	6.5	6.1	11.3	7.1	6.7

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Density	Nutrient levels	Genotypes	Grains/row		Shelling (%)	Per cent FAW (30 DAS)	TLB (1-9 scale) (110 DAS)	Shoot fly/plot (30 DAS)	Insect pests - diseases if any
			Coimbatore	Karimnagar	Karimnagar	Dharwad			Vagarai
83,000	100% RDF	DKC 9179	37.8	33.1	71.8	1.50	5.00	1.50	2.00
		BIO 9544 (C)	36.7	31.9	69.6	1.00	3.00	2.00	1.00
		DHM 121 (C)	35.9	29.1	71.5	1.50	4.50	1.50	0.67
	150% RDF	DKC 9179	38.5	32.7	73.4	2.00	4.00	2.00	0.67
		BIO 9544 (C)	37.3	31.6	69.6	1.00	4.50	1.50	1.67
		DHM 121 (C)	36.4	28.7	72.9	1.50	5.50	1.50	2.00
1,00,000	100% RDF	DKC 9179	36.9	33.6	68.2	1.50	5.00	1.00	1.33
		BIO 9544 (C)	35.8	31.7	72.2	0.50	3.00	1.00	0.67
		DHM 121 (C)	34.9	29.9	70.7	1.00	4.00	0.50	1.00
	150% RDF	DKC 9179	37.5	32.9	70.2	1.50	5.00	1.00	0.67
		BIO 9544 (C)	36.2	32.0	70.7	0.50	3.00	0.50	0.33
		DHM 121 (C)	35.3	29.4	70.0	1.00	5.00	1.00	0.00
Mean of location			36.6	31.4	70.9	1.21	4.29	1.25	1.00
83,000			37.1	31.2	71.5	1.42	4.42	1.67	1.33
1,00,000			36.1	31.6	70.3	1.00	4.17	0.83	0.67
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			2.9	2.3	6.9	84.5	14.3	32.7	225.5
100% RDF			36.3	31.6	70.7	1.17	4.08	1.25	1.11
150% RDF			36.9	31.2	71.1	1.25	4.50	1.25	0.89
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			10.0	7.6	4.8	84.5	23.8	65.3	105.4
DKC 9179			37.7	33.1	70.9	1.63	4.75	1.38	1.17
BIO 9544 (C)			36.5	31.8	70.5	0.75	3.38	1.25	0.92
DHM 121 (C)			35.6	29.3	71.3	1.25	4.75	1.13	0.92
CD at 5%			NS	3.0	NS	NS	0.7	NS	NS
CV (%)			9.5	11.2	5.6	58.5	13.5	32.7	119.6

Table 6: Performance of pre release medium maturity genotypes in *Kharif* under varying planting density and nutrients levels Central West Zone (CWZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)				Stover yield (kg/ha)		
			Ambikapur	Banswara	Chhindwara	CWZ	Ambikapur	Banswara	Chhindwara
66,000	100% RDF	DKC 9179	5667	7987	6298	6651	12127	10721	13322
		DKC 8174 (IQ 8319)	5778	7033	6154	6322	12075	9989	13060
		JKMH 1414	5630	7820	6079	6510	13388	12470	13335
		RCRMH-2	5704	6947	6257	6303	12131	10037	13400
		BIO 9544 (C)	4037	7867	6090	5998	7401	12737	13671
		DHM 121 (C)	4852	6200	6180	5744	9234	7531	13125
	150% RDF	DKC 9179	5852	8380	7848	7360	12460	12338	14985
		DKC 8174 (IQ 8319)	6111	7247	8000	7119	13837	10614	14009
		JKMH 1414	6667	8233	8369	7756	15378	15211	14503
		RCRMH-2	6630	6923	8022	7192	14775	10730	13783
		BIO 9544 (C)	5148	8243	8262	7218	10057	14874	14723
		DHM 121 (C)	4630	6397	8420	6482	9155	8983	14592
83,000	100% RDF	DKC 9179	6111	8460	7185	7252	14416	10519	11006
		DKC 8174 (IQ 8319)	5963	7610	7061	6878	14410	9511	11415
		JKMH 1414	6889	8100	7589	7526	17063	12095	11944
		RCRMH-2	6889	6640	7721	7083	16078	8754	11342
		BIO 9544 (C)	5593	8220	7458	7090	10474	13607	11579
		DHM 121 (C)	5704	6413	7569	6562	12032	7351	11678
	150% RDF	DKC 9179	6704	8713	9136	8184	14220	11969	11873
		DKC 8174 (IQ 8319)	6704	7953	9005	7887	15369	10651	11753
		JKMH 1414	8037	8373	9234	8548	19234	13051	11624
		RCRMH-2	6630	6687	8964	7427	15215	9209	10986
		BIO 9544 (C)	5259	8487	8764	7503	10596	15829	10581
		DHM 121 (C)	6481	6520	8883	7295	14135	8167	11452
Mean of location			5986.1	7560.6	7689.5	7078.7	13135.9	11122.8	12655.8
66,000			5559	7440	7165	6721	11835	11353	13876
83,000			6414	7681	8214	7436	14437	10893	11436
CD at 5%			587.5	NS	870.3	728.9	1388.8	NS	1143
CV (%)			9.7	3.5	11.2	8.1	10.4	9.7	8.9
100% RDF			5735	7441	6803	6660	12569	10443	12406
150% RDF			6238	7680	8575	7498	13703	11802	12905
CD at 5%			436.4	NS	287.2	361.8	1037.5	NS	444.4
CV (%)			11.1	6.5	5.7	7.8	12.1	20.1	5.4
DKC 9179			6083	8385	7617	7362	13306	11386	12796
DKC 8174 (IQ 8319)			6139	7461	7555	7052	13923	10191	12559
JKMH 1414			6806	8132	7818	7585	16266	13207	12851
RCRMH-2			6463	6799	7741	7001	14550	9683	12378
BIO 9544 (C)			5009	8204	7643	6952	9632	14262	12639
DHM 121 (C)			5417	6383	7763	6521	11139	8008	12712
CD at 5%			552.2	357.6	NS	454.9	1386.8	1127.1	NS
CV (%)			11.2	5.7	5.3	7.4	12.8	12.3	4.1

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Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Ambikapur	Banswara	Chhindwara	Ambikapur	Banswara	Chhindwara
66,000	100% RDF	DKC 9179	65.6	63.9	61.0	65.6	63.7	64.6
		DKC 8174 (IQ 8319)	65.6	60.1	63.4	65.2	55.8	63.6
		JKMH 1414	64.8	63.9	60.1	65.6	69.9	65.0
		RCRMH-2	64.4	53.5	62.3	63.7	53.8	64.2
		BIO 9544 (C)	64.4	63.2	61.5	63.0	68.6	62.3
		DHM 121 (C)	64.4	47.9	62.2	63.7	48.5	63.3
	150% RDF	DKC 9179	64.1	65.3	62.8	64.1	67.8	80.6
		DKC 8174 (IQ 8319)	65.2	61.1	61.7	64.8	54.8	75.9
		JKMH 1414	65.6	64.6	62.5	65.6	63.2	77.7
		RCRMH-2	65.2	54.9	64.1	64.8	57.7	64.3
		BIO 9544 (C)	65.6	63.9	63.7	64.8	67.9	65.8
		DHM 121 (C)	65.2	48.3	64.7	65.2	50.5	68.3
83,000	100% RDF	DKC 9179	81.9	77.8	72.2	80.4	75.1	70.9
		DKC 8174 (IQ 8319)	80.7	68.8	74.1	80.7	70.4	73.5
		JKMH 1414	82.2	73.6	75.4	81.9	76.7	71.5
		RCRMH-2	81.5	59.4	75.0	81.1	57.1	72.4
		BIO 9544 (C)	81.1	75.7	73.2	80.7	73.3	70.3
		DHM 121 (C)	82.2	56.3	70.5	81.5	58.6	71.2
	150% RDF	DKC 9179	81.9	80.6	73.8	81.5	76.9	68.3
		DKC 8174 (IQ 8319)	81.1	72.6	71.5	81.1	71.8	67.4
		JKMH 1414	80.4	77.4	71.3	80.4	76.9	68.0
		RCRMH-2	81.9	66.0	77.3	81.1	57.9	66.5
		BIO 9544 (C)	81.1	78.8	76.2	81.1	80.6	66.3
		DHM 121 (C)	82.2	57.3	75.5	80.7	56.4	65.8
Mean of location			73.3	64.8	68.2	72.8	64.7	68.7
66,000			65.0	59.2	62.5	64.7	60.2	68.0
83,000			81.5	70.3	73.8	81.0	69.3	69.3
CD at 5%			1.5	5.6	9.0	1.8	6.1	NS
CV (%)			2.1	8.5	13.0	2.4	9.2	15.2
100% RDF			73.2	63.7	67.6	72.7	64.3	67.7
150% RDF			73.3	65.9	68.8	72.9	65.2	69.6
CD at 5%			NS	NS	NS	NS	NS	1.7
CV (%)			1.6	7.7	5.1	2.1	9.9	3.8
DKC 9179			73.3	71.9	67.5	72.9	70.9	71.1
DKC 8174 (IQ 8319)			73.1	65.6	67.7	73.0	63.2	70.1
JKMH 1414			73.2	69.9	67.3	73.3	71.7	70.5
RCRMH-2			73.2	58.4	69.7	72.7	56.6	66.8
BIO 9544 (C)			73.1	70.4	68.7	72.4	72.6	66.2
DHM 121 (C)			73.5	52.4	68.2	72.8	53.5	67.2
CD at 5%			NS	3.4	NS	NS	3.6	1.4
CV (%)			2.1	6.4	2.9	1.5	6.8	2.4

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Density	Nutrient levels	Genotypes	Plant height (cm)			Cob length (cm)	Cob girth (cm)	Grain rows/ cob	Grains/ row
			Ambikapur	Banswara	Chhindwara	Banswara			
66,000	100% RDF	DKC 9179	211.4	250.0	197.2	16.0	16.2	15.9	29.0
		DKC 8174 (IQ 8319)	218.7	230.0	194.2	15.8	16.5	14.8	31.0
		JKMH 1414	237.4	248.0	199.1	15.2	17.0	15.1	32.3
		RCRMH-2	229.4	226.7	198.0	15.3	17.5	16.0	31.0
		BIO 9544 (C)	191.7	225.0	197.6	15.7	16.5	15.0	30.0
		DHM 121 (C)	199.6	250.3	198.1	15.2	16.6	15.4	32.0
	150% RDF	DKC 9179	220.1	243.3	197.0	16.5	16.3	15.8	31.2
		DKC 8174 (IQ 8319)	222.2	240.0	194.0	16.2	17.0	14.6	31.0
		JKMH 1414	245.1	250.0	198.2	16.5	17.6	15.3	32.0
		RCRMH-2	236.0	265.0	197.8	15.9	15.4	15.3	29.2
		BIO 9544 (C)	194.3	230.0	196.5	16.0	16.7	14.5	31.0
		DHM 121 (C)	205.0	253.3	197.6	15.0	16.0	15.5	31.0
83,000	100% RDF	DKC 9179	234.7	243.3	196.0	15.3	16.2	15.7	31.0
		DKC 8174 (IQ 8319)	243.5	246.7	193.5	16.4	15.8	14.4	30.1
		JKMH 1414	249.8	261.7	197.8	15.2	15.0	14.4	31.5
		RCRMH-2	245.1	248.3	197.0	15.1	16.0	15.0	28.5
		BIO 9544 (C)	200.2	228.3	196.2	15.9	16.7	14.0	28.9
		DHM 121 (C)	214.8	245.0	197.0	14.8	16.0	15.3	29.0
	150% RDF	DKC 9179	240.6	235.0	195.9	15.7	16.1	15.2	32.0
		DKC 8174 (IQ 8319)	246.3	216.7	193.2	16.0	17.3	14.2	29.1
		JKMH 1414	252.7	260.0	197.5	15.8	17.0	14.9	30.0
		RCRMH-2	247.5	250.0	195.0	15.6	15.7	14.4	28.1
		BIO 9544 (C)	211.5	240.0	196.0	16.2	16.2	14.0	28.5
		DHM 121 (C)	220.2	250.0	195.6	14.2	16.4	15.2	29.7
Mean of location			225.7	243.2	196.5	15.6	16.4	15.0	30.3
66,000			217.6	242.6	197.1	15.8	16.6	15.3	30.9
83,000			233.9	243.8	195.9	15.5	16.2	14.7	29.7
CD at 5%			3.5	NS	NS	NS	NS	NS	NS
CV (%)			1.5	2.3	12.8	4.0	15.0	13.1	14.1
100% RDF			223.0	241.9	196.8	15.5	16.3	15.1	30.4
150% RDF			228.5	244.4	196.2	15.8	16.5	14.9	30.2
CD at 5%			NS	NS	NS	NS	NS	0.2	NS
CV (%)			4.4	4.1	3.3	8.0	2.5	1.6	3.6
DKC 9179			226.7	242.9	196.5	15.9	16.2	15.7	30.8
DKC 8174 (IQ 8319)			232.7	233.3	193.7	16.1	16.7	14.5	30.3
JKMH 1414			246.3	254.9	198.2	15.7	16.7	14.9	31.5
RCRMH-2			239.5	247.5	197.0	15.5	16.2	15.2	29.2
BIO 9544 (C)			199.4	230.8	196.6	16.0	16.5	14.4	29.6
DHM 121 (C)			209.9	249.7	197.1	14.8	16.3	15.4	30.4
CD at 5%			7.7	5.1	NS	0.4	0.4	0.4	0.7
CV (%)			4.1	2.6	3.0	3.1	2.8	3.0	2.7

Cont…

Density	Nutrient levels	Genotypes	Days 50% tasseling			Days 50% silking		
			Ambikapur	Banswara	Chhindwara	Ambikapur	Banswara	Chhindwara
66,000	100% RDF	DKC 9179	54.7	46.0	63.0	57.3	49.0	64.0
		DKC 8174 (IQ 8319)	52.7	46.0	64.0	55.7	49.0	65.0
		JKMH 1414	54.7	46.0	64.0	57.3	49.0	65.0
		RCRMH-2	54.3	46.0	63.0	57.7	49.0	65.0
		BIO 9544 (C)	54.7	46.0	64.0	57.7	49.0	65.0
		DHM 121 (C)	55.0	39.0	65.0	57.7	42.0	66.0
	150% RDF	DKC 9179	53.3	46.0	64.0	56.0	49.0	63.0
		DKC 8174 (IQ 8319)	53.3	46.0	62.0	56.3	49.0	64.0
		JKMH 1414	54.3	46.0	63.0	57.3	49.0	65.0
		RCRMH-2	52.7	46.0	63.0	55.7	49.0	66.0
		BIO 9544 (C)	54.7	46.0	61.0	57.7	49.0	66.0
		DHM 121 (C)	55.0	39.0	62.0	58.0	42.0	66.0
83,000	100% RDF	DKC 9179	54.3	46.0	63.0	57.3	49.0	65.0
		DKC 8174 (IQ 8319)	53.3	46.0	64.0	56.3	49.0	64.0
		JKMH 1414	55.7	46.0	63.0	58.3	49.0	64.0
		RCRMH-2	53.7	46.0	61.0	56.7	49.0	63.0
		BIO 9544 (C)	55.7	46.0	62.0	58.3	49.0	66.0
		DHM 121 (C)	53.7	39.0	63.0	56.7	42.0	62.0
	150% RDF	DKC 9179	54.7	46.0	65.0	57.7	49.0	64.0
		DKC 8174 (IQ 8319)	55.0	46.0	66.0	58.0	49.0	65.0
		JKMH 1414	53.3	46.0	63.0	56.3	49.0	65.0
		RCRMH-2	52.7	46.0	64.0	55.3	49.0	65.0
		BIO 9544 (C)	54.3	46.0	65.0	57.3	49.0	64.0
		DHM 121 (C)	52.7	39.0	65.0	55.7	42.0	64.0
Mean of location			54.1	44.8	63.4	57.0	47.8	64.6
66,000			54.1	44.8	63.2	57.0	47.8	65.0
83,000			54.1	44.8	63.7	57.0	47.8	64.3
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			1.7	0.0	10.6	2.0	0.0	6.4
100% RDF			54.4	44.8	63.3	57.3	47.8	64.5
150% RDF			53.8	44.8	63.6	56.8	47.8	64.8
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			1.9	0.0	4.4	1.7	0.0	2.9
DKC 9179			54.3	46.0	63.8	57.1	49.0	64.0
DKC 8174 (IQ 8319)			53.6	46.0	64.0	56.6	49.0	64.5
JKMH 1414			54.5	46.0	63.3	57.3	49.0	64.8
RCRMH-2			53.3	46.0	62.8	56.3	49.0	64.8
BIO 9544 (C)			54.8	46.0	63.0	57.8	49.0	65.3
DHM 121 (C)			54.1	39.0	63.8	57.0	42.0	64.5
CD at 5%			0.7	0.0	NS	0.6	0.0	NS
CV (%)			1.5	0.0	3.5	1.3	0.0	4.3

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Density	Nutrient levels	Genotypes	Net returns (Rs./ha)			B:C ratio			100-seed weight (g)
			Ambikapur	Banswara	Chhindwara	Ambikapur	Banswara	Chhindwara	Banswara
66,000	100% RDF	DKC 9179	56987	111813	51442	1.97	2.38	1.85	39.3
		DKC 8174 (IQ 8319)	57563	98467	31157	1.99	1.98	1.12	42.3
		JKMH 1414	56933	109480	68384	1.97	2.31	1.92	44.0
		RCRMH-2	56111	97253	68384	1.94	1.94	1.94	43.7
		BIO 9544 (C)	30975	110133	57707	1.07	2.33	1.92	39.3
		DHM 121 (C)	43232	86800	73203	1.49	1.62	2.07	39.3
	150% RDF	DKC 9179	56474	117320	61024	1.80	2.29	2.04	39.7
		DKC 8174 (IQ 8319)	61721	101453	33615	1.96	1.85	1.13	43.7
		JKMH 1414	68872	115267	93443	2.19	2.24	3.12	44.7
		RCRMH-2	68075	96927	83475	2.16	1.72	2.61	45.0
		BIO 9544 (C)	46026	115407	77971	1.46	2.24	2.35	40.0
		DHM 121 (C)	37772	89553	87320	1.20	1.51	2.92	40.0
83,000	100% RDF	DKC 9179	64227	118440	57512	2.22	2.47	2.00	39.0
		DKC 8174 (IQ 8319)	61968	106540	31956	2.14	2.13	1.12	42.7
		JKMH 1414	76240	113400	91351	2.63	2.33	3.04	44.3
		RCRMH-2	74966	92960	75922	2.59	1.73	2.43	44.0
		BIO 9544 (C)	53916	115080	62706	1.86	2.38	2.19	38.7
		DHM 121 (C)	56994	89787	82369	1.97	1.63	2.80	39.3
	150% RDF	DKC 9179	67572	121987	66820	2.15	2.33	2.03	39.3
		DKC 8174 (IQ 8319)	69153	111347	45723	2.20	2.04	1.15	44.0
		JKMH 1414	89923	117227	93952	2.86	2.20	3.09	45.0
		RCRMH-2	67981	93613	83644	2.16	1.56	2.70	45.0
		BIO 9544 (C)	47172	118813	75713	1.50	2.24	2.09	39.3
		DHM 121 (C)	66468	91280	86456	2.11	1.49	2.93	40.0
Mean of location			59888.5	105847.8	68385.4	1.98	2.04	2.19	41.7
66,000			53395	104156	65594	1.77	2.03	2.08	41.8
83,000			66382	107539	71177	2.20	2.04	2.30	41.7
CD at 5%			9118.6	NS	NS	0.3	NS	0.2	NS
CV (%)			15.0	3.5	8.1	14.4	5.1	7.6	2.5
100% RDF			57509	104179	62674	1.99	2.10	2.03	41.3
150% RDF			62268	107516	74096	1.98	1.98	2.35	42.1
CD at 5%			NS	NS	2448.8	NS	NS	0.1	0.4
CV (%)			16.6	6.5	5.5	16.3	9.6	5.1	1.3
DKC 9179			61315	117390	59199	2.03	2.37	1.98	39.3
DKC 8174 (IQ 8319)			62601	104452	35613	2.07	2.00	1.13	43.2
JKMH 1414			72992	113843	86783	2.41	2.27	2.79	44.5
RCRMH-2			66783	95188	77856	2.21	1.74	2.42	44.4
BIO 9544 (C)			44522	114858	68524	1.47	2.30	2.14	39.3
DHM 121 (C)			51117	89355	82337	1.69	1.57	2.68	39.7
CD at 5%			8469.7	5006.1	2116.1	0.3	0.1	0.1	0.8
CV (%)			17.1	5.7	3.8	17.2	8.5	4.6	2.4

Table 7: Performance of pre release QPM genotypes in *Kharif* under varying planting density and nutrients levels Northern Hill Zone (NHZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)			Stover yield (kg/ha)		Plants ('000/ha)	
			Bajaura	Gossaigaon*	NHZ	Bajaura	Gossaigaon	Bajaura	Gossaigaon
83,000	100% RDF	APQH 5	6529	2720	6529	9415	6500	73.7	64.0
		APH 27	6335	4417	6335	8877	8567	83.0	117.3
		IMHQPM 1530	9593	3053	9593	14390	6233	82.6	107.7
		HQPM 5	5258	3717	5258	7258	7367	50.0	58.0
		Vivek Hybrid 27	7650	2467	7650	11171	5933	81.9	102.0
		Vivek QPM 9	7347	3333	7347	10425	7787	83.3	107.3
	150% RDF	APQH 5	8879	3533	8879	13049	8283	70.7	51.3
		APH 27	8974	4983	8974	13101	10027	81.1	108.3
		IMHQPM 1530	10051	3077	10051	15683	7953	80.4	72.0
		HQPM 5	5458	3123	5458	7530	4933	39.6	37.7
		Vivek Hybrid 27	8756	4300	8756	13105	8640	82.6	89.7
		Vivek QPM 9	8432	5883	8432	12982	6452	81.1	92.7
1,00,000	100% RDF	APQH 5	7410	5383	7410	10971	6364	77.0	64.3
		APH 27	7547	7800	7547	11098	13550	95.6	108.7
		IMHQPM 1530	9946	8483	9946	14915	17473	98.5	96.0
		HQPM 5	5563	4387	5563	7841	10587	59.6	41.0
		Vivek Hybrid 27	8315	6220	8315	12467	13580	93.3	88.3
		Vivek QPM 9	8657	7807	8657	12807	14087	98.9	121.3
	150% RDF	APQH 5	9023	4890	9023	13712	8180	85.2	50.3
		APH 27	8810	4513	8810	12711	8280	98.5	95.7
		IMHQPM 1530	10718	4533	10718	16728	7167	95.9	73.7
		HQPM 5	6169	4707	6169	8882	9917	44.4	38.0
		Vivek Hybrid 27	9064	3050	9064	13601	6267	93.0	86.3
		Vivek QPM 9	8536	5093	8536	12627	10820	92.6	101.3
Mean of location			8042.5	4644.7	8042.5	11889.4	8956.1	80.1	82.2
83,000			7772	3717	7772	11415	7390	74.2	84.0
1,00,000			8313	5572	8313	12363	10523	86.0	80.4
CD at 5%			NS	NS	NS	NS	1687.8	0.4	NS
CV (%)			7.4	**58.6**	7.4	8.0	18.6	0.4	27.3
100% RDF			7512	4982	7512	10970	9836	81.4	89.7
150% RDF			8573	4307	8573	12809	8077	78.8	74.8
CD at 5%			835.8	553.6	835.8	1235.0	901.1	2.1	8.1
CV (%)			15.9	18.2	15.9	15.9	15.4	4.0	15.0
APQH 5			7960	4132	7960	11787	7332	76.7	57.5
APH 27			7917	5428	7917	11447	10106	89.5	107.5
IMHQPM 1530			10077	4787	10077	15429	9707	89.4	87.3
HQPM 5			5612	3983	5612	7878	8201	48.4	43.7
Vivek Hybrid 27			8446	4009	8446	12586	8605	87.7	91.6
Vivek QPM 9			8243	5529	8243	12210	9786	89.0	105.7
CD at 5%			745.9	598.9	745.9	1099.2	NS	3.9	11.5
CV (%)			11.2	15.6	11.2	11.2	34.2	5.8	17.0

***not considered due to high CV.**

Cont…

Density	Nutrient levels	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling		Days 50% silking	
			Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Gossaigaon
83,000	100% RDF	APQH 5	69.6	56.7	217.3	137.5	65.7	60.3	70.0	66.0
		APH 27	81.5	113.0	194.7	137.8	59.0	55.3	63.0	62.7
		IMHQPM 1530	80.4	101.0	212.2	146.0	62.0	59.3	66.0	65.0
		HQPM 5	51.5	48.7	198.4	143.1	66.7	57.7	71.0	63.7
		Vivek Hybrid 27	77.0	96.0	193.3	131.9	58.7	57.7	62.7	63.7
		Vivek QPM 9	82.2	90.7	204.7	134.1	57.3	50.7	61.3	61.0
	150% RDF	APQH 5	76.7	50.3	210.3	153.2	66.0	60.7	70.3	66.7
		APH 27	78.5	102.7	200.3	155.5	58.0	54.0	62.0	61.7
		IMHQPM 1530	78.9	67.0	212.0	137.1	62.7	58.3	67.0	63.3
		HQPM 5	43.7	35.0	204.3	135.1	66.3	58.0	70.7	64.3
		Vivek Hybrid 27	78.5	86.7	198.0	134.3	58.3	54.7	62.3	62.3
		Vivek QPM 9	78.5	87.7	224.7	157.6	56.7	50.3	60.7	59.3
1,00,000	100% RDF	APQH 5	73.0	61.0	212.7	139.7	66.0	59.3	70.7	64.3
		APH 27	88.5	114.3	195.0	152.5	58.0	54.3	62.0	62.7
		IMHQPM 1530	93.0	93.3	206.7	179.3	63.0	58.7	67.0	64.3
		HQPM 5	54.4	41.3	201.3	141.6	66.0	56.7	70.0	63.0
		Vivek Hybrid 27	87.8	87.3	192.0	140.7	59.3	57.0	63.3	63.0
		Vivek QPM 9	94.4	109.7	212.3	169.0	57.0	51.3	61.0	60.0
	150% RDF	APQH 5	82.2	53.3	227.3	139.0	66.0	59.3	70.7	64.3
		APH 27	92.6	92.3	201.3	140.1	58.0	53.0	62.0	60.7
		IMHQPM 1530	93.3	70.0	225.0	162.8	62.0	58.7	66.0	63.7
		HQPM 5	45.9	36.3	205.0	138.9	67.0	57.7	71.0	62.0
		Vivek Hybrid 27	84.8	84.7	208.3	133.8	59.0	56.7	63.0	63.3
		Vivek QPM 9	86.3	90.0	207.7	152.0	56.7	53.3	61.0	62.3
Mean of location			77.2	77.9	206.9	145.5	61.5	56.4	65.6	63.1
83,000			73.1	77.9	205.9	141.9	61.4	56.4	65.6	63.3
1,00,000			81.4	77.8	207.9	149.1	61.5	56.3	65.6	62.8
CD at 5%			0.9	NS	NS	NS	NS	NS	NS	NS
CV (%)			1.2	22.6	9.1	20.3	3.3	1.6	2.8	3.0
100% RDF			77.8	84.4	203.4	146.1	61.6	56.5	65.7	63.3
150% RDF			76.7	71.3	210.4	145.0	61.4	56.2	65.6	62.8
CD at 5%			0.6	7.2	NS	NS	NS	NS	NS	NS
CV (%)			1.3	14.0	10.8	19.7	0.8	2.2	0.7	2.6
APQH 5			75.4	55.3	216.9	142.3	65.9	59.9	70.4	65.3
APH 27			85.3	105.6	197.8	146.5	58.3	54.2	62.3	61.9
IMHQPM 1530			86.4	82.8	214.0	156.3	62.4	58.8	66.5	64.1
HQPM 5			48.9	40.3	202.3	139.7	66.5	57.5	70.7	63.3
Vivek Hybrid 27			82.0	88.7	197.9	135.2	58.8	56.5	62.8	63.1
Vivek QPM 9			85.4	94.5	212.3	153.2	56.9	51.4	61.0	60.7
CD at 5%			3.8	12.3	7.6	NS	0.8	1.7	0.8	2.0
CV (%)			5.9	19.2	4.5	12.9	1.5	3.6	1.5	3.9

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Density	Nutrient levels	Genotypes	Net returns (Rs. /ha)		B:C ratio		100-seed weight (g)		Cob length (cm)	Grain rows/ cob	Grains/ row
			Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Bajaura	Bajaura
83,000	100% RDF	APQH 5	77848	16656	3.00	1.44	26.0	15.0	13.6	12.3	30.7
		APH 27	73861	50596	2.90	2.34	26.0	14.3	14.7	14.0	32.3
		IMHQPM 1530	133750	23330	4.44	1.62	24.0	15.7	14.6	15.3	30.7
		HQPM 5	54470	36596	2.40	1.97	27.3	16.0	13.9	14.0	29.0
		Vivek Hybrid 27	98170	11596	3.52	1.31	24.0	16.0	15.2	13.7	33.7
		Vivek QPM 9	92136	28930	3.37	1.77	24.0	17.0	14.0	15.7	32.3
	150% RDF	APQH 5	118520	32930	3.91	1.87	27.3	16.0	15.0	12.3	34.7
		APH 27	120052	61930	3.95	2.64	26.7	16.7	15.7	14.3	34.7
		IMHQPM 1530	141374	23796	4.47	1.63	26.0	16.3	15.0	15.3	32.3
		HQPM 5	56169	24730	2.38	1.66	27.3	15.7	15.4	14.0	31.3
		Vivek Hybrid 27	116792	48263	3.87	2.28	26.0	15.0	16.5	14.0	36.3
		Vivek QPM 9	111682	79930	3.74	3.12	26.7	18.0	14.0	16.3	32.7
1,00,000	100% RDF	APQH 5	93666	69930	3.38	2.85	26.0	18.7	14.0	13.0	31.3
		APH 27	95977	118263	3.43	4.13	24.7	18.3	15.1	14.7	34.0
		IMHQPM 1530	139593	131930	4.54	4.50	28.7	19.0	14.3	15.3	30.0
		HQPM 5	59707	49996	2.51	2.32	27.3	15.3	14.2	14.0	30.3
		Vivek Hybrid 27	110239	86663	3.80	3.30	25.3	16.3	15.2	14.3	32.0
		Vivek QPM 9	116042	118396	3.94	4.14	24.0	15.7	13.4	16.3	31.7
	150% RDF	APQH 5	121501	60063	3.94	2.59	26.7	16.7	14.0	13.0	30.0
		APH 27	116313	52530	3.82	2.39	25.3	16.3	14.5	15.0	30.7
		IMHQPM 1530	152968	52930	4.71	2.40	24.0	16.3	14.1	15.3	30.3
		HQPM 5	69035	56396	2.67	2.49	27.3	17.7	13.8	14.0	30.0
		Vivek Hybrid 27	121903	23263	3.95	1.62	24.7	17.3	14.7	14.3	31.7
		Vivek QPM 9	112035	64130	3.72	2.70	25.3	16.3	13.0	16.0	31.7
Mean of location			104325.2	55157.2	3.60	2.46	25.9	16.5	14.5	14.4	31.8
83,000			99569	36607	3.49	1.97	25.9	16.0	14.8	14.3	32.6
1,00,000			109082	73707	3.70	2.95	25.8	17.0	14.2	14.6	31.1
CD at 5%			NS	NS	NS	NS	NS	NS	NS	NS	0.4
CV (%)			10.4	98.7	7.0	58.6	8.8	30.8	4.9	9.3	1.3
100% RDF			95455	61907	3.44	2.64	25.6	16.4	14.3	14.4	31.5
150% RDF			113195	48407	3.76	2.28	26.1	16.5	14.6	14.5	32.2
CD at 5%			15006.2	11072.2	NS	0.3	NS	NS	NS	NS	NS
CV (%)			22.0	30.7	15.8	18.2	6.0	12.2	9.8	5.5	11.3
APQH 5			102884	44895	3.56	2.19	26.5	16.6	14.1	12.7	31.7
APH 27			101551	70830	3.52	2.88	25.7	16.4	15.0	14.5	32.9
IMHQPM 1530			141921	57996	4.54	2.54	25.7	16.8	14.5	15.3	30.8
HQPM 5			59845	41930	2.49	2.11	27.3	16.2	14.3	14.0	30.2
Vivek Hybrid 27			111776	42446	3.78	2.12	25.0	16.2	15.4	14.1	33.4
Vivek QPM 9			107974	72846	3.69	2.93	25.0	16.8	13.6	16.1	32.1
CD at 5%			13385.9	11977.3	0.3	0.3	NS	NS	0.6	0.7	1.5
CV (%)			15.6	26.3	11.2	15.6	10.1	13.0	5.1	6.1	5.9

Table 8: Performance of pre release QPM genotypes in *Kharif* under varying planting density and nutrients levels North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)				Stover yield (kg/ha)		Cob yield (kg/ha)
			Karnal	Ludhiana	Pantnagar	NWPZ	Ludhiana	Pantnagar	Karnal
66,000	100% RDF	QPMMH 27	7731	3993		5862	6361		8652
		IIMRQPMH 1601	6699	5486	4632.7	5606	5681	6074.1	7641
		PRATAP QPM	8252	5958	4552.9	6255	7243	5777.8	9345
		HQPM 7	8720	4903	3622.1	5748	7951	5074.1	9975
	150% RDF	QPMMH 27	8168	4694		6431	7972		9143
		IIMRQPMH 1601	6914	5743	5058.5	5905	6326	6666.7	7887
		PRATAP QPM	8977	6243	4782.8	6668	8618	6296.3	10166
		HQPM 7	9293	6153	3849.4	6432	8764	5666.7	10631
83,000	100% RDF	QPMMH 27	9742	5861		7802	9139		10906
		IIMRQPMH 1601	8184	6347	5485.8	6672	8938	6666.7	9335
		PRATAP QPM	9343	6813	5233.9	7130	9764	6333.3	10581
		HQPM 7	9863	5979	4455.7	6766	10563	5888.9	11281
	150% RDF	QPMMH 27	10302	6125		8213	9681		11534
		IIMRQPMH 1601	8832	6410	5651.5	6964	8722	7000.0	10075
		PRATAP QPM	10171	7778	5446.7	7798	10181	6851.9	11519
		HQPM 7	10748	5576	4110.2	6811	12576	6037.0	12296
Mean of location			8871.1	5878.9	4740.2	6496.7	8654.9	6194.4	10060.4
83,000			8094	5397	4416	5969	7365	5926	9180
66,000			9648	6361	5064	7024	9945	6463	10941
CD at 5%			691.0	885.3	NS	788.1	1115.0	NS	778.4
CV (%)			6.3	12.1	16.6	11.7	10.4	6.5	6.2
100% RDF			8567	5668	4664	6299	8205	5969	9714
150% RDF			9175	6090	4817	6694	9105	6420	10406
CD at 5%			404.2	249.9	NS	327.1	509.2	NS	462.8
CV (%)			5.7	5.3	6.3	5.8	7.3	14.1	5.7
QPMMH 27			8986	5168		7077	8288		10059
IIMRQPMH 1601			7657	5997	5207	6287	7417	6602	8734
PRATAP QPM			9186	6698	5004	6963	8951	6315	10403
HQPM 7			9656	5653	4009	6439	9964	5667	11046
CD at 5%			256.8	535.2	359.2	383.7	909.8	611.8	281.9
CV (%)			3.4	10.8	8.8	7.7	12.5	11.4	3.3

Cont…

Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	QPMMH 27	64.6	61.8		65.0	57.6	
		IIMRQPMH 1601	64.2	61.1	60.7	65.9	60.4	60.7
		PRATAP QPM (C)	64.6	58.3	63.7	65.7	60.4	63.7
		HQPM 7 (C)	64.6	59.7	61.5	66.0	57.6	61.5
	150% RDF	QPMMH 27	65.6	63.2		65.2	59.0	
		IIMRQPMH 1601	66.7	59.7	63.7	65.7	62.5	63.7
		PRATAP QPM (C)	65.3	61.8	63.7	65.0	59.0	63.7
		HQPM 7 (C)	64.9	61.8	58.5	65.3	59.7	58.5
83,000	100% RDF	QPMMH 27	81.9	79.9		82.4	77.8	
		IIMRQPMH 1601	82.3	80.6	75.5	81.8	79.2	75.5
		PRATAP QPM (C)	82.3	79.9	76.2	81.7	77.8	76.2
		HQPM 7 (C)	82.3	79.2	74.8	81.4	77.8	74.8
	150% RDF	QPMMH 27	82.6	79.9		80.4	77.8	
		IIMRQPMH 1601	82.3	79.9	74.8	81.7	78.5	74.8
		PRATAP QPM (C)	81.9	81.3	74.8	81.3	79.2	74.8
		HQPM 7 (C)	81.9	79.9	76.2	78.4	78.5	76.2
Mean of location			73.6	70.5	68.7	73.3	68.9	68.7
83,000			65.1	60.9	62.0	65.5	59.5	62.0
66,000			82.2	80.0	75.4	81.1	78.3	75.4
CD at 5%			1.1	4.9	4.1	0.4	6.4	4.1
CV (%)			1.2	5.6	4.2	0.5	7.4	4.2
100% RDF			73.4	70.1	68.7	73.7	68.6	68.7
150% RDF			73.9	70.9	68.6	72.9	69.3	68.6
CD at 5%			NS	NS	NS	0.6	NS	NS
CV (%)			1.4	4.5	5.1	1.0	4.4	5.1
QPMMH 27			73.7	71.2		73.3	68.1	
IIMRQPMH 1601			73.9	70.3	68.7	73.8	70.1	68.7
PRATAP QPM (C)			73.5	70.3	69.6	73.4	69.1	69.6
HQPM 7 (C)			73.4	70.1	67.7	72.7	68.4	67.7
CD at 5%			NS	NS	NS	0.6	1.2	NS
CV (%)			1.4	2.3	4.5	1.0	2.1	4.5

Cont…

Density	Nutrient levels	Genotypes	Plant height (cm)			Barren plant/plot	100-seed weight (g)
			Karnal	Ludhiana	Pantnagar	Ludhiana	Pantnagar
66,000	100% RDF	QPMMH 27	184.0	148.3		1.3	
		IIMRQPMH 1601	161.7	135.0	157.1	0.7	22.5
		PRATAP QPM (C)	171.7	155.0	169.6	0.0	21.7
		HQPM 7 (C)	185.0	158.3	159.4	1.0	20.7
	150% RDF	QPMMH 27	190.0	163.3		0.3	
		IIMRQPMH 1601	168.3	153.3	160.1	0.0	22.9
		PRATAP QPM (C)	176.7	166.7	173.7	0.0	21.7
		HQPM 7 (C)	190.0	170.0	163.3	0.0	20.5
83,000	100% RDF	QPMMH 27	190.0	158.3		1.0	
		IIMRQPMH 1601	167.3	143.3	164.3	0.3	21.0
		PRATAP QPM (C)	180.0	161.7	171.2	0.0	21.1
		HQPM 7 (C)	196.7	166.7	166.6	1.3	20.7
	150% RDF	QPMMH 27	194.0	168.3		0.7	
		IIMRQPMH 1601	173.3	146.7	165.8	0.3	21.9
		PRATAP QPM (C)	185.0	168.3	176.7	0.3	21.3
		HQPM 7 (C)	202.7	173.3	169.7	0.7	20.9
Mean of location			182.3	158.5	166.5	0.5	21.4
83,000			178.4	156.3	163.9	0.4	21.7
66,000			186.1	160.8	169.1	0.6	21.2
CD at 5%			2.0	NS	NS	NS	NS
CV (%)			0.9	9.8	5.6	76.4	12.9
100% RDF			179.5	153.3	164.7	0.7	21.3
150% RDF			185.0	163.8	168.2	0.3	21.5
CD at 5%			NS	7.3	NS	0.4	NS
CV (%)			3.9	5.7	6.8	95.7	5.8
QPMMH 27			189.5	159.6		0.8	
IIMRQPMH 1601			167.7	144.6	161.8	0.3	22.1
PRATAP QPM (C)			178.3	162.9	172.8	0.1	21.5
HQPM 7 (C)			193.6	167.1	164.8	0.8	20.7
CD at 5%			5.3	8.0	8.5	0.4	1.0
CV (%)			3.4	6.0	5.9	105.4	5.6

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Density	Nutrient levels	Genotypes	Days 50% tasseling			Days 50% Silking			Days to Maturity
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar	Karnal
66,000	100% RDF	QPMMH 27	51.7	60.7		53.7	62.7		86.3
		IIMRQPMH 1601	50.3	58.7	50.7	52.3	61.0	54.3	84.3
		PRATAP QPM (C)	53.7	59.7	51.0	55.7	62.3	54.7	85.7
		HQPM 7 (C)	54.7	58.3	51.0	56.7	60.3	54.3	88.7
	150% RDF	QPMMH 27	51.3	60.3		53.3	62.0		87.0
		IIMRQPMH 1601	49.7	57.7	50.7	51.7	59.7	54.7	85.0
		PRATAP QPM (C)	53.3	58.3	50.0	55.3	60.7	54.0	86.3
		HQPM 7 (C)	54.3	57.0	50.3	56.3	58.7	54.0	89.3
83,000	100% RDF	QPMMH 27	53.3	61.0		55.3	63.0		87.7
		IIMRQPMH 1601	51.3	59.3	51.3	53.3	61.7	54.7	85.0
		PRATAP QPM (C)	54.3	60.0	51.0	56.3	62.7	54.3	87.7
		HQPM 7 (C)	55.7	59.0	51.0	57.7	62.0	55.0	89.3
	150% RDF	QPMMH 27	52.3	60.7		54.3	62.7		88.3
		IIMRQPMH 1601	51.0	58.3	50.7	53.0	60.7	54.3	86.0
		PRATAP QPM (C)	53.7	59.0	50.7	55.7	61.0	54.7	88.7
		HQPM 7 (C)	54.7	57.3	51.0	56.7	60.0	54.7	89.7
Mean of location			52.8	59.1	50.8	54.8	61.3	54.5	87.2
83,000			52.4	58.8	50.6	54.4	60.9	54.3	86.6
66,000			53.3	59.3	50.9	55.3	61.7	54.6	87.8
CD at 5%			0.8	NS	NS	0.8	NS	NS	NS
CV (%)			1.2	1.3	2.3	1.1	1.2	1.2	1.2
100% RDF			53.1	59.6	51.0	55.1	62.0	54.6	86.8
150% RDF			52.5	58.6	50.6	54.5	60.7	54.4	87.5
CD at 5%			0.5	NS	NS	0.5	0.9	NS	0.5
CV (%)			1.1	2.8	1.0	1.1	1.9	0.4	0.7
QPMMH 27			52.2	60.7		54.2	62.6		87.3
IIMRQPMH 1601			50.6	58.5	50.8	52.6	60.8	54.5	85.1
PRATAP QPM (C)			53.8	59.3	50.7	55.8	61.7	54.4	87.1
HQPM 7 (C)			54.8	57.9	50.8	56.8	60.3	54.5	89.3
CD at 5%			0.5	1.0	NS	0.5	1.0	NS	0.6
CV (%)			1.1	2.0	1.3	1.1	1.9	1.4	0.9

Cont…

Density	Nutrient levels	Genotypes	Net returns (Rs. /ha)			B:C ratio		
			Karnal	Ludhiana	Pantnagar	Karnal	Ludhiana	Pantnagar
66,000	100% RDF	QPMMH 27	77954	23607		2.99	0.58	
		IIMRQPMH 1601	62628	44101	47381	2.60	1.09	1.51
		PRATAP QPM (C)	85699	52627	46026	3.18	1.30	1.47
		HQPM 7 (C)	92640	38400	30202	3.35	0.95	0.96
	150% RDF	QPMMH 27	81108	30700		2.90	0.68	
		IIMRQPMH 1601	62486	43750	51541	2.47	0.96	1.50
		PRATAP QPM (C)	93127	53510	46855	3.18	1.18	1.36
		HQPM 7 (C)	97808	52391	30987	3.28	1.15	0.90
83,000	100% RDF	QPMMH 27	107822	52506		3.73	1.26	
		IIMRQPMH 1601	84690	59202	60885	3.15	1.43	1.88
		PRATAP QPM (C)	101895	66782	56603	3.58	1.61	1.75
		HQPM 7 (C)	109620	55826	43372	3.77	1.34	1.34
	150% RDF	QPMMH 27	112795	52135		3.62	1.13	
		IIMRQPMH 1601	90964	55090	60623	3.13	1.19	1.71
		PRATAP QPM (C)	110850	76262	57141	3.58	1.65	1.61
		HQPM 7 (C)	119418	47647	34420	3.77	1.03	0.97
Mean of location			93219.0	50283.5	47169.6	3.27	1.16	1.41
83,000			81681	42386	42165	2.99	0.99	1.28
66,000			104757	58181	52174	3.54	1.33	1.54
CD at 5%			10261.7	13896.7	NS	0.2	0.3	NS
CV (%)			8.9	22.3	28.4	6.0	22.4	28.0
100% RDF			90369	49131	47412	3.29	1.19	1.48
150% RDF			96070	51436	46928	3.24	1.12	1.34
CD at 5%			NS	NS	NS	NS	NS	0.1
CV (%)			8.0	10.1	10.7	5.5	10.7	10.8
QPMMH 27			94920	39737		3.31	0.91	
IIMRQPMH 1601			75192	50536	55107	2.84	1.17	1.65
PRATAP QPM (C)			97893	62295	51656	3.38	1.43	1.55
HQPM 7 (C)			104871	48566	34745	3.54	1.12	1.04
CD at 5%			3812.9	7434.3	6105.6	0.1	0.2	0.2
CV (%)			4.9	17.5	15.0	3.3	17.1	15.0

Table 9: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels Northern Hill Zone (NHZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)			Stover yield (kg/ha)		Plants ('000/ha)
			Bajaura	Gossaigaon	NHZ	Bajaura	Gossaigaon	Bajaura
83,000	100% RDF	DPCH-306	5987	1100	3543	7984	5533	81.4
		VL Amber Popcorn	4818	1873	3346	6301	6033	74.7
	150% RDF	DPCH-306	6218	2100	4159	8578	6900	82.2
		VL Amber Popcorn	5782	2573	4178	7945	6767	80.0
1,00,000	100% RDF	DPCH-306	6602	1733	4168	9038	5933	98.3
		VL Amber Popcorn	5819	1367	3593	7603	5233	98.6
	150% RDF	DPCH-306	7479	1180	4330	10694	6767	95.8
		VL Amber Popcorn	6992	2133	4563	9689	7967	98.6
Mean of location			6212.4	1757.5	3984.9	8479.0	6391.7	88.7
83,000			5701	1912	3807	7702	6308	79.6
1,00,000			6723	1603	4163	9256	6475	97.8
CD at 5%			193.5	NS	193.5	96.8	NS	10.1
CV (%)			1.8	14.6	8.2	0.7	2.3	6.5
100% RDF			5807	1518	3662	7731	5683	88.2
150% RDF			6618	1997	4307	9227	7100	89.1
CD at 5%			NS	206.7	206.7	NS	NS	NS
CV (%)			17.9	10.4	14.1	19.2	32.4	4.1
DPCH-306			6572	1528	4050	9074	6283	89.4
VL Amber Popcorn			5853	1987	3920	7884	6500	88.0
CD at 5%			616.3	156.7	386.5	799.9	NS	NS
CV (%)			10.5	9.5	10.0	10.0	15.6	2.7

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Density	Nutrient levels	Genotypes	Cobs ('000/ha)	Plant height (cm)		Days 50% tasseling		Days 50% silking	
			Bajaura	Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Gossaigaon
83,000	100% RDF	DPCH-306	84.2	164.3	99.9	64.3	61.0	66.3	66.3
		VL Amber Popcorn	79.7	164.7	102.8	63.7	61.0	65.7	65.7
	150% RDF	DPCH-306	86.4	172.0	111.7	62.3	59.0	64.3	64.3
		VL Amber Popcorn	92.2	173.7	100.7	60.7	59.3	62.7	65.3
1,00,000	100% RDF	DPCH-306	100.8	180.3	107.3	61.7	60.7	63.7	65.3
		VL Amber Popcorn	100.6	182.3	105.0	61.3	62.7	63.3	67.7
	150% RDF	DPCH-306	99.4	182.3	119.5	60.7	61.0	62.7	67.0
		VL Amber Popcorn	103.3	179.3	114.6	60.7	59.0	62.7	63.3
Mean of location			93.3	174.9	107.7	61.9	60.5	63.9	65.6
83,000			85.6	168.7	103.8	62.8	60.1	64.8	65.4
1,00,000			101.0	181.1	111.6	61.1	60.8	63.1	65.8
CD at 5%			9.9	NS	NS	0.4	NS	0.4	NS
CV (%)			6.0	7.9	9.2	0.3	6.2	0.3	3.2
100% RDF			91.3	172.9	103.7	62.8	61.3	64.8	66.3
150% RDF			95.3	176.8	111.6	61.1	59.6	63.1	65.0
CD at 5%			NS	NS	NS	1.2	0.7	1.2	0.7
CV (%)			7.1	5.2	14.6	1.7	1.0	1.7	0.9
DPCH-306			92.7	174.8	109.6	62.3	60.4	64.3	65.8
VL Amber Popcorn			94.0	175.0	105.8	61.6	60.5	63.6	65.5
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			7.3	2.0	4.4	1.8	3.5	1.7	2.2

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Density	Nutrient levels	Genotypes	Net returns (Rs. /ha)		B:C ratio		100-seed weight (g)	
			Bajaura	Gossaigaon	Bajaura	Gossaigaon	Bajaura	Gossaigaon
83,000	100% RDF	DPCH-306	182556	17263	5.02	1.46	19.3	13.3
		VL Amber Popcorn	144148	55930	4.04	2.48	16.7	12.7
	150% RDF	DPCH-306	190077	67263	5.00	2.78	17.3	13.3
		VL Amber Popcorn	175742	90930	4.65	3.41	16.7	12.7
1,00,000	100% RDF	DPCH-306	202965	48930	5.48	2.30	17.3	15.3
		VL Amber Popcorn	176602	30596	4.81	1.81	16.0	12.7
	150% RDF	DPCH-306	231967	21263	5.96	1.56	16.7	14.7
		VL Amber Popcorn	215350	68930	5.55	2.83	16.7	12.7
Mean of location			189925.8	50138.0	5.06	2.33	17.1	13.4
83,000			173131	57846	4.68	2.53	17.5	13.0
1,00,000			206721	42430	5.45	2.12	16.7	13.8
CD at 5%			6207.0	NS	0.2	NS	NS	0.7
CV (%)			1.9	25.5	2.0	14.6	6.3	3.0
100% RDF			176568	38180	4.84	2.01	17.3	13.5
150% RDF			203284	62096	5.29	2.65	16.8	13.3
CD at 5%			NS	10336.9	NS	0.3	NS	NS
CV (%)			19.4	18.2	18.0	10.4	7.2	6.1
DPCH-306			201891	38680	5.37	2.02	17.7	14.2
VL Amber Popcorn			177960	61596	4.76	2.63	16.5	12.7
CD at 5%			20052.2	7836.6	0.5	0.2	1.2	1.3
CV (%)			11.2	16.6	10.5	9.5	7.2	10.5

Cont…

Density	Nutrient levels	Genotypes	Popping (%)	Barrenness in maize (%)	Cob length (cm)	Grain rows/cob	Grains/row
			Gossaigaon	Bajaura	Bajaura	Bajaura	Bajaura
83,000	100% RDF	DPCH-306	52.7	10.4	16.2	12.7	35.0
		VL Amber Popcorn	73.0	6.4	15.1	13.3	36.0
	150% RDF	DPCH-306	80.7	7.1	16.9	13.0	37.0
		VL Amber Popcorn	77.3	7.0	15.9	14.0	35.7
1,00,000	100% RDF	DPCH-306	77.0	9.3	15.9	13.0	34.0
		VL Amber Popcorn	83.3	6.5	16.1	13.0	36.3
	150% RDF	DPCH-306	81.0	9.5	15.7	13.3	35.7
		VL Amber Popcorn	73.0	8.2	15.1	14.3	33.3
Mean of location			74.8	8.0	15.9	13.3	35.4
83,000			70.9	7.7	16.0	13.3	35.9
1,00,000			78.6	8.4	15.7	13.4	34.8
CD at 5%			NS	NS	NS	NS	NS
CV (%)			8.8	46.2	9.6	1.5	12.7
100% RDF			71.5	8.1	15.8	13.0	35.3
150% RDF			78.0	7.9	15.9	13.7	35.4
CD at 5%			3.2	NS	NS	NS	NS
CV (%)			3.8	57.8	7.5	5.5	5.5
DPCH-306			72.8	9.1	16.2	13.0	35.4
VL Amber Popcorn			76.7	7.0	15.5	13.7	35.3
CD at 5%			NS	NS	NS	0.2	NS
CV (%)			17.8	45.9	8.1	1.5	6.6

Table 10: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)			Stover yield (kg/ha)		Plants ('000/ha)	
			Ludhiana	Pantnagar	NWPZ	Ludhiana	Pantnagar	Ludhiana	Pantnagar
66,000	100% RDF	IHPC 1203	2972	2156	2564	5069	3148	59.7	64.4
		IHPC 1201	3174	2143	2659	4389	3593	59.0	65.9
		VL Amber pop corn (C)	3188	1963	2576	5951	3037	63.9	65.9
		Shalimar pop corn (C)	3000	2598	2799	6660	4148	63.9	66.7
	150% RDF	IHPC 1203	3306	2202	2754	6681	3370	61.8	65.9
		IHPC 1201	3660	2265	2963	5035	3778	61.8	63.7
		VL Amber pop corn (C)	3854	2107	2981	7326	3333	63.2	66.7
		Shalimar pop corn (C)	3458	2667	3063	7472	4333	63.2	66.7
83,000	100% RDF	IHPC 1203	3604	2160	2882	7854	3490	79.2	79.8
		IHPC 1201	3708	2224	2966	7646	3989	79.9	80.5
		VL Amber pop corn (C)	4188	2017	3103	8472	3276	79.2	79.1
		Shalimar pop corn (C)	3597	2769	3183	9271	4594	81.3	79.8
	150% RDF	IHPC 1203	3861	2252	3057	8389	3632	79.9	79.8
		IHPC 1201	4194	2343	3269	7431	4202	80.6	79.1
		VL Amber pop corn (C)	4396	2100	3248	8889	3419	79.9	82.6
		Shalimar pop corn (C)	3979	2795	3387	11285	4915	79.9	79.8
Mean of location			3633.7	2297.6	2965.7	7363.7	3766.1	71.0	72.9
66,000			3326	2263	2795	6073	3593	62.1	65.7
83,000			3941	2333	3137	8655	3940	79.9	80.0
CD at 5%			352.2	NS	352.2	802.9	NS	6.7	4.7
CV (%)			7.8	6.8	7.3	8.8	11	7.6	5.2
100% RDF			3429	2254	2842	6914	3659	70.7	72.8
150% RDF			3839	2341	3090	7813	3873	71.3	73.0
CD at 5%			205.8	NS	205.8	419.8	NS	NS	NS
CV (%)			7.1	5.1	6.1	7.1	11.8	4.3	5.1
IHPC 1203			3436	2193	2815	6998	3410	70.1	72.5
IHPC 1201			3684	2244	2964	6125	3890	70.3	72.3
VL Amber pop corn (C)			3906	2047	2977	7660	3266	71.5	73.6
Shalimar pop corn (C)			3509	2707	3108	8672	4498	72.0	73.2
CD at 5%			176.9	160.7	168.8	694.2	384.6	NS	NS
CV (%)			5.8	8.3	7.1	11.2	12.1	3.3	2.9

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Density	Nutrient levels	Genotypes	Cobs ('000/ha)		Plant height (cm)		Popping (%)	Barren plant/ plot	100-seed weight (g)
			Ludhiana	Pantnagar	Ludhiana	Pantnagar	Pantnagar	Ludhiana	Pantnagar
66,000	100% RDF	IHPC 1203	57.6	64.4	143.3	160.5	80.7	1.7	13.6
		IHPC 1201	57.6	65.9	130.0	166.8	80.3	1.3	13.3
		VL Amber pop corn (C)	62.5	65.9	150.0	145.0	79.7	2.0	12.5
		Shalimar pop corn (C)	58.3	66.7	153.3	163.6	52.0	1.0	17.6
	150% RDF	IHPC 1203	59.7	65.9	158.3	163.8	83.7	2.0	13.5
		IHPC 1201	60.4	63.7	148.3	168.9	82.3	1.0	14.0
		VL Amber pop corn (C)	61.1	66.7	161.7	152.5	82.7	1.0	12.6
		Shalimar pop corn (C)	61.1	66.7	165.0	168.6	50.7	1.0	18.1
83,000	100% RDF	IHPC 1203	77.8	79.8	153.3	163.9	82.0	1.3	13.5
		IHPC 1201	77.8	80.5	138.3	168.0	80.7	1.3	13.3
		VL Amber pop corn (C)	77.8	79.1	156.7	146.8	83.7	2.3	12.4
		Shalimar pop corn (C)	79.2	79.8	161.7	167.8	51.0	1.7	17.1
	150% RDF	IHPC 1203	78.5	79.8	163.3	164.7	83.0	1.7	13.7
		IHPC 1201	79.2	79.1	141.7	170.7	82.7	1.3	13.8
		VL Amber pop corn (C)	78.5	82.6	163.3	148.1	81.7	1.7	12.5
		Shalimar pop corn (C)	77.1	79.8	168.3	171.4	52.0	1.3	17.2
Mean of location			69.0	72.9	153.5	161.9	74.3	1.5	14.3
66,000			59.8	65.7	151.3	161.2	74.0	1.4	14.4
83,000			78.2	80.0	155.8	162.7	74.6	1.6	14.2
CD at 5%			6.6	4.7	NS	NS	NS	NS	NS
CV (%)			7.7	5.2	10.1	12.6	4.0	35.2	3.9
100% RDF			68.6	72.8	148.3	160.3	73.8	1.6	14.2
150% RDF			69.4	73.0	158.8	163.6	74.8	1.4	14.4
CD at 5%			NS	NS	7.3	NS	NS	0.1	NS
CV (%)			6.4	5.1	5.9	7.1	4.0	9.8	8.4
IHPC 1203			68.4	72.5	154.6	163.2	82.3	1.7	13.6
IHPC 1201			68.8	72.3	139.6	168.6	81.5	1.3	13.6
VL Amber pop corn (C)			70.0	73.6	157.9	148.1	81.9	1.8	12.5
Shalimar pop corn (C)			68.9	73.2	162.1	167.9	51.4	1.3	17.5
CD at 5%			NS	NS	8.0	6.5	3.0	NS	0.9
CV (%)			2.9	2.9	6.2	4.7	4.7	36.5	7.5

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Density	Nutrient levels	Genotypes	Days to 50% tasseling		Days to 50% silking		Net returns (Rs/ha)		BC ratio	
			Ludhiana	Pantnagar	Ludhiana	Pantnagar	Ludhiana	Pantnagar	Ludhiana	Pantnagar
66,000	100% RDF	IHPC 1203	54.3	47.3	56.3	50.3	50731	141077	1.32	4.50
		IHPC 1201	52.7	47.0	54.7	50.3	55587	140083	1.45	4.46
		VL Amber pop corn (C)	53.3	47.0	56.0	49.7	57773	125675	1.51	4.01
		Shalimar pop corn (C)	52.0	45.7	54.0	48.7	53338	176463	1.39	5.62
	150% RDF	IHPC 1203	54.3	47.3	56.3	50.3	58305	141723	1.39	4.11
		IHPC 1201	51.0	47.3	53.0	50.3	66329	146709	1.58	4.26
		VL Amber pop corn (C)	51.3	47.0	53.3	50.0	74409	134081	1.77	3.89
		Shalimar pop corn (C)	50.3	45.3	52.3	48.0	63493	178911	1.51	5.19
83,000	100% RDF	IHPC 1203	54.7	47.3	56.7	50.7	70713	140427	1.80	4.34
		IHPC 1201	53.7	47.0	55.7	49.7	73390	145573	1.87	4.50
		VL Amber pop corn (C)	54.0	47.0	56.3	50.0	87757	128981	2.24	3.98
		Shalimar pop corn (C)	52.7	45.3	55.7	48.7	72148	189147	1.84	5.84
	150% RDF	IHPC 1203	54.3	47.0	56.3	50.3	74910	144726	1.75	4.08
		IHPC 1201	51.7	47.0	54.3	50.0	83141	151983	1.94	4.29
		VL Amber pop corn (C)	53.3	47.0	55.3	50.3	90457	132582	2.11	3.74
		Shalimar pop corn (C)	50.0	45.7	52.7	48.7	81546	188137	1.90	5.31
Mean of location			52.7	46.7	54.9	49.8	69626.7	150392.3	1.71	4.51
66,000			52.4	46.8	54.5	49.7	59996	148090	1.49	4.51
83,000			53.0	46.7	55.4	49.8	79258	152694	1.93	4.51
CD at 5%			NS	NS	NS	NS	10701.2	NS	0.3	NS
CV (%)			1.6	0.6	1.6	1.2	12.4	8.3	12.7	8.6
100% RDF			53.4	46.7	55.7	49.8	65179	148428	1.68	4.66
150% RDF			52.0	46.7	54.2	49.8	74074	152356	1.75	4.36
CD at 5%			1.2	NS	0.8	NS	5866.9	NS	NS	0.2
CV (%)			2.7	0.8	1.9	1.3	10.5	6.3	10.9	6.0
IHPC 1203			54.4	47.3	56.4	50.4	63665	141988	1.57	4.26
IHPC 1201			52.3	47.1	54.4	50.1	69612	146087	1.71	4.38
VL Amber pop corn (C)			53.0	47.0	55.3	50.0	77599	130330	1.91	3.91
Shalimar pop corn (C)			51.3	45.5	53.7	48.5	67631	183164	1.66	5.49
CD at 5%			1.0	0.3	1.0	0.5	4830.3	12854.0	0.1	0.4
CV (%)			2.3	0.9	2.1	1.2	8.2	10.1	8.6	10.0

Table 11: Performance of pre release pop corn genotypes in *Kharif* under varying planting density and nutrients levels North East Plain Zone (NEPZ).

Density*	Nutrient levels	Hybrid	Grain yield (kg/ha)				Stover yield (kg/ha)		
			Bahraich	Dholi	Varanasi	NEPZ	Bahraich	Dholi	Varanasi
66,000	100% RDF	VL Amber pop corn (C)	3098	3613	1898	2870	4060	9422	15722
		IHPC 1203	3188	3598	2271	3019	3873	9360	14278
		IHPC 1201	3192	2632	2303	2709	4128	6756	15194
		Shalimar pop corn (C)	3387	3388	2133	2969	4075	8676	14528
	150% RDF	VL Amber pop corn (C)	3102	3918	2028	3016	4255	10071	16361
		IHPC 1203	3192	3642	2393	3076	3927	9396	17861
		IHPC 1201	3046	2490	2433	2656	3920	6649	15917
		Shalimar pop corn (C)	3173	3657	2544	3125	3953	9422	15444
83,000	100% RDF	VL Amber pop corn (C)	3020	3275	1708	2668	4100	8489	15278
		IHPC 1203	3237	3251	2158	2882	3780	8836	13889
		IHPC 1201	2992	2551	2309	2617	3933	6596	15278
		Shalimar pop corn (C)	3190	3305	2528	3008	4145	8587	16444
	150% RDF	VL Amber pop corn (C)	3035	3372	2314	2907	4027	8667	17333
		IHPC 1203	3167	3409	2316	2964	3843	8924	19028
		IHPC 1201	3043	2688	2829	2853	3887	6951	19028
		Shalimar pop corn (C)	3113	3907	2899	3306	4103	9876	15361
Mean of location			3135.9	3293.4	2316.5	2915.3	4000.6	8542.2	16059
66,000			3172	3367	2250	2930	4024	8719	15663
83,000			3100	3220	2383	2901	3977	8366	16455
CD at 5%			NS	NS	NS	NS	35.7	NS	NS
CV (%)			2.7	9.3	36.2	16.1	0.7	9.5	27.4
100% RDF			3163	3201	2164	2843	4012	8340	15076
150% RDF			3109	3386	2469	2988	3989	8744	17042
CD at 5%			NS	NS	NS	NS	NS	NS	1444.2
CV (%)			3.8	8.3	29.1	13.7	1.2	8.4	11.2
VL Amber pop corn (C)			3064	3544	1987	2865	4110	9162	16174
IHPC 1203			3196	3475	2285	2985	3856	9129	16264
IHPC 1201			3068	2590	2468	2709	3967	6738	16354
Shalimar pop corn (C)			3216	3564	2526	3102	4069	9140	15444
CD at 5%			62.9	265.3	251	193.1	44.3	689	NS
CV (%)			2.4	9.6	12.9	8.3	1.3	9.6	10.4

*83,000 and 100,000 at Dholi

Cont…

Density*	Nutrient levels	Hybrid	Cob yield (kg/ha)		Plants ('000/ha)		Cobs ('000/ha)		
			Dholi	Varanasi	Dholi	Varanasi	Bahraich	Dholi	Varanasi
66,000	100% RDF	VL Amber pop corn (C)	4711	2519	74.2	66.7	65.0	80.9	74.1
		IHPC 1203	4680	3000	74.2	66.7	62.5	80.9	77.8
		IHPC 1201	3378	3056	71.6	64.8	65.5	78.2	70.4
		Shalimar pop corn (C)	4338	2870	72.9	64.8	65.2	79.6	72.2
	150% RDF	VL Amber pop corn (C)	5036	2611	70.2	64.8	65.4	76.9	72.2
		IHPC 1203	4698	3167	70.2	66.7	64.9	76.9	68.5
		IHPC 1201	3324	3148	72.4	68.5	65.1	79.1	70.4
		Shalimar pop corn (C)	4711	3426	71.6	64.8	65.3	78.2	68.5
83,000	100% RDF	VL Amber pop corn (C)	4244	2241	91.1	81.5	80.6	99.6	81.5
		IHPC 1203	4418	2722	89.8	81.5	82.6	97.8	87.0
		IHPC 1201	3298	2963	90.7	79.6	82.6	99.1	81.5
		Shalimar pop corn (C)	4293	3278	92.4	83.3	82.6	101.3	83.3
	150% RDF	VL Amber pop corn (C)	4333	2926	92.9	81.5	81.9	101.8	87.0
		IHPC 1203	4462	3037	91.6	81.5	82.1	100.0	83.3
		IHPC 1201	3476	3593	93.8	81.5	82.2	102.7	90.7
		Shalimar pop corn (C)	4938	3833	91.6	79.6	82.6	100.0	85.2
Mean of location			4271.1	3024.3	81.9	73.6	73.5	89.6	78.4
66,000			4359	2975	72.2	66.0	64.9	78.8	71.8
83,000			4183	3074	91.7	81.3	82.2	100.3	85.0
CD at 5%			NS	NS	1.6	1.7	0.5	2.0	8.6
CV (%)			9.5	33.7	1.5	1.9	0.6	1.8	8.9
100% RDF			4170	2831	82.1	73.6	73.3	89.7	78.5
150% RDF			4372	3218	81.8	73.6	73.7	89.4	78.2
CD at 5%			NS	NS	NS	NS	0.3	NS	NS
CV (%)			8.4	28.9	5.1	2.4	0.6	5.2	7.0
VL Amber pop corn (C)			4581	2574	82.1	73.6	73.2	89.8	78.7
IHPC 1203			4564	2981	81.4	74.1	73.0	88.9	79.2
IHPC 1201			3369	3190	82.1	73.6	73.8	89.8	78.2
Shalimar pop corn (C)			4570	3352	82.1	73.1	73.9	89.8	77.3
CD at 5%			344.5	327.5	NS	NS	0.6	NS	NS
CV (%)			9.6	12.9	2.9	4.4	0.9	3.0	8.9

*83,000 and 100,000 at Dholi

Cont…

Density*	Nutrient levels	Hybrid	Plant height (cm)			100 seed weight (g)	
			Bahraich	Dholi	Varanasi	Dholi	Varanasi
66,000	100% RDF	VL Amber pop corn (C)	160.7	124.8	130.8	15.8	15.1
		IHPC 1203	160.7	117.7	147.5	21.0	15.0
		IHPC 1201	161.0	120.0	147.1	13.5	15.4
		Shalimar pop corn (C)	148.0	142.7	138.8	18.3	17.4
	150% RDF	VL Amber pop corn	157.0	119.9	125.4	11.7	13.6
		IHPC 1203	158.7	100.0	139.2	11.0	14.8
		IHPC 1201	151.3	124.7	145.4	18.1	17.4
		Shalimar pop corn	152.3	117.7	137.3	14.7	15.6
83,000	100% RDF	VL Amber pop corn	154.3	126.3	121.5	14.2	12.4
		IHPC 1203	154.3	139.3	137.7	23.0	16.2
		IHPC 1201	157.7	141.3	128.9	12.3	15.2
		Shalimar pop corn	153.0	131.7	137.9	14.0	16.7
	150% RDF	VL Amber pop corn	153.3	125.7	138.3	14.2	12.6
		IHPC 1203	156.0	140.7	137.9	26.3	14.6
		IHPC 1201	149.7	123.7	147.9	8.6	16.1
		Shalimar pop corn	153.7	136.3	139.2	11.0	17.4
Mean of location			155.1	127.0	137.5	15.5	15.3
66,000			156.2	120.9	138.9	15.5	15.5
83,000			154.0	133.1	136.2	15.4	15.2
CD at 5%			0.7	3.4	NS	NS	NS
CV (%)			0.4	2.1	16.9	2.9	3.8
100% RDF			156.2	130.5	136.3	16.5	15.4
150% RDF			154.0	123.6	138.8	14.4	15.3
CD at 5%			1.5	2.7	NS	0.4	NS
CV (%)			1.2	2.6	9.0	3.0	4.0
VL Amber pop corn (C)			156.3	124.2	129.0	14.0	13.4
IHPC 1203			157.4	124.4	140.6	20.3	15.2
IHPC 1201			154.9	127.4	142.3	13.1	16.0
Shalimar pop corn (C)			151.8	132.1	138.3	14.5	16.8
CD at 5%			1.1	3.3	7.6	0.4	1.2
CV (%)			0.8	3.1	6.5	3.3	9.3

*83,000 and 100,000 at Dholi

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Density*	Nutrient levels	Hybrid	Days of 50% tasseling			Days of 50% silking		
			Bahraich	Dholi	Varanasi	Bahraich	Dholi	Varanasi
66,000	100% RDF	VL Amber pop corn (C)	42.0	47.3	50.3	45.0	50.3	55.0
		IHPC 1203	44.3	50.7	51.7	46.3	54.7	55.7
		IHPC 1201	45.3	47.7	49.7	49.0	54.7	54.0
		Shalimar pop corn (C)	43.3	49.7	50.7	46.7	52.3	53.3
	150% RDF	VL Amber pop corn	41.7	48.7	49.7	45.0	51.7	55.3
		IHPC 1203	44.7	46.7	50.0	49.0	50.0	55.7
		IHPC 1201	46.3	47.7	50.0	50.0	50.7	54.3
		Shalimar pop corn	43.7	46.3	48.0	46.7	48.0	53.0
83,000	100% RDF	VL Amber pop corn	42.7	47.7	52.0	45.7	51.3	57.0
		IHPC 1203	44.0	54.7	51.3	48.3	57.7	56.3
		IHPC 1201	44.7	46.7	50.3	48.3	48.7	54.7
		Shalimar pop corn	44.0	47.3	49.7	47.7	50.7	54.0
	150% RDF	VL Amber pop corn	43.0	48.7	50.3	45.0	51.7	56.0
		IHPC 1203	43.3	51.3	51.3	49.0	54.3	56.3
		IHPC 1201	43.0	47.7	51.7	46.0	50.7	57.0
		Shalimar pop corn	43.3	46.3	48.0	45.7	49.7	53.7
Mean of location			43.7	48.4	50.3	47.1	51.7	55.1
66,000			43.9	48.1	50.0	47.2	51.5	54.5
83,000			43.5	48.8	50.6	47.0	51.8	55.6
CD at 5%			0.2	NS	0.2	NS	NS	NS
CV (%)			0.3	3.2	0.3	0.5	2.8	3.0
100% RDF			43.8	49.0	50.7	47.1	52.5	55.0
150% RDF			43.6	47.9	49.9	47.0	50.8	55.2
CD at 5%			NS	0.9	NS	NS	1.2	NS
CV (%)			2.0	2.4	4.9	2.1	2.9	7.0
VL Amber pop corn (C)			42.3	48.1	50.6	45.2	51.3	55.8
IHPC 1203			44.1	50.8	51.1	48.2	54.2	56.0
IHPC 1201			44.8	47.4	50.4	48.3	51.2	55.0
Shalimar pop corn (C)			43.6	47.4	49.1	46.7	50.2	53.5
CD at 5%			1.0	1.2	1.2	0.8	1.5	1.2
CV (%)			2.7	2.9	2.9	2.0	3.3	2.7

*83,000 and 100,000 at Dholi

Cont…

Density*	Nutrient levels	Hybrid	Net Return (Rs./ha)		B:C Ratio		Moisture (%)	
			Bahraich	Dholi	Bahraich	Dholi	Dholi	Varanasi
66,000	100% RDF	VL Amber pop corn (C)	54400	137816	2.81	2.26	18.2	26.0
		IHPC 1203	58640	136986	2.95	2.25	18.0	26.9
		IHPC 1201	67247	83843	3.23	1.38	16.9	26.8
		Shalimar pop corn (C)	60500	125424	2.92	2.06	16.7	26.1
	150% RDF	VL Amber pop corn	65543	154616	3.18	2.54	17.0	26.1
		IHPC 1203	60210	139434	3.00	2.29	17.3	27.3
		IHPC 1201	77104	76072	3.56	1.25	20.1	25.8
		Shalimar pop corn	63100	140245	3.00	2.30	17.2	27.7
83,000	100% RDF	VL Amber pop corn	58680	119227	2.95	1.96	17.7	25.9
		IHPC 1203	63540	117926	3.11	1.94	21.5	28.4
		IHPC 1201	73300	79394	3.44	1.30	17.5	28.0
		Shalimar pop corn	59280	120859	2.88	1.98	17.9	26.2
	150% RDF	VL Amber pop corn	57552	124563	2.91	2.05	17.0	27.5
		IHPC 1203	62370	126628	3.07	2.08	18.5	26.6
		IHPC 1201	55170	86957	2.75	1.43	17.5	26.0
		Shalimar pop corn	65850	153996	3.09	2.53	15.6	28.2
Mean of location			62655.4	120249.1	3.05	1.97	17.8	26.8
66,000			63343	124304	3.08	2.04	17.7	26.6
83,000			61968	116194	3.03	1.91	17.9	27.1
CD at 5%				NS		NS		1.2
CV (%)				14.0		14.0		1.2
100% RDF			61948	115184	3.04	1.89	18.1	26.8
150% RDF			63362	125314	3.07	2.06	17.5	26.9
CD at 5%				NS		NS		NS
CV (%)				12.5		12.5		1.4
VL Amber pop corn (C)			59044	134055	2.96	2.20	17.5	26.4
IHPC 1203			61190	130244	3.03	2.14	18.8	27.3
IHPC 1201			68205	81566	3.25	1.34	18.0	26.6
Shalimar pop corn (C)			62183	135131	2.97	2.22	16.9	27.0
CD at 5%				14592.3		0.2		0.9
CV (%)				14.4		14.4		1.5

*83,000 and 100,000 at Dholi

Table 12: Performance of pre release popcorn genotypes in *Kharif* under varying planting density and nutrients levels Peninsular Zone (PZ).

Density	Nutrient levels	Genotypes	Grain yield (kg/ha)			Stover yield (kg/ha)		Cob yield (kg/ha)
			Karimnagar	Peddapuram	PZ	Karimnagar	Peddapuram	Karimnagar
83,000	100% RDF	IHPC 1201	3124	3152	3138	3667	4874	4644
		DPCH-306	3325	3344	3335	3778	5207	4952
		IHPC 1203	3555	2904	3230	3407	4543	5241
		Shalimar pop corn (C)	3445	3457	3451	3407	5326	5004
		VL Amber pop corn (C)	2442	2212	2327	2518	3823	3744
	150% RDF	IHPC 1201	3670	3225	3448	3852	4988	5333
		DPCH-306	3380	3460	3420	4074	5422	4952
		IHPC 1203	3481	3045	3263	3630	4805	5104
		Shalimar pop corn (C)	3470	3616	3543	3407	5609	5004
		VL Amber pop corn (C)	2672	2420	2546	2667	4105	4000
1,00,000	100% RDF	IHPC 1201	3495	3339	3417	3704	5638	5207
		DPCH-306	3529	3656	3593	4370	5972	5241
		IHPC 1203	3150	3052	3101	3556	5073	4656
		Shalimar pop corn (C)	3193	3147	3170	3481	5240	4493
		VL Amber pop corn (C)	2606	2440	2523	2889	4408	4018
	150% RDF	IHPC 1201	3451	3432	3442	3630	5752	5167
		DPCH-306	3489	3871	3680	4148	6242	5137
		IHPC 1203	3668	3283	3476	4148	5418	5400
		Shalimar pop corn (C)	3598	3376	3487	3852	5532	5156
		VL Amber pop corn (C)	2905	2515	2710	3111	4595	4348
Mean of location			3282.5	3147.4	3215.0	3564.8	5128.8	4840
83,000			3257	3083	3170	3441	4870	4798
1,00,000			3308	3211	3260	3689	5387	4882
CD at 5%			NS	NS	NS	NS	433.5	NS
CV (%)			22.4	12.4	17.4	12.2	7.6	24
100% RDF			3187	3070	3129	3478	5011	4720
150% RDF			3378	3224	3301	3652	5247	4960
CD at 5%			NS	NS	NS	NS	157.2	NS
CV (%)			16.3	7.0	11.7	24.6	4.3	13.1
IHPC 1201			3435	3287	3361	3713	5313	5088
DPCH-306			3431	3583	3507	4093	5711	5070
IHPC 1203			3463	3071	3267	3685	4960	5100
Shalimar pop corn (C)			3427	3399	3413	3537	5427	4914
VL Amber pop corn (C)			2656	2397	2527	2796	4233	4028
CD at 5%			328.9	207.3	268.1	316.7	207.3	498.9
CV (%)			12.0	7.9	10.0	10.7	4.9	12.4

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Density	Nutrient levels	Genotypes	Plants ('000/ha)		Cobs ('000/ha)	Plant height (cm)		Ear height (cm)
			Karimnagar	Peddapuram	Peddapuram	Peddapuram	Karimnagar	Karimnagar
83,000	100% RDF	IHPC 1201	77.8	77.4	74.2	123.7	128.0	54.0
		DPCH-306	76.3	77.4	75.1	125.0	130.0	56.7
		IHPC 1203	77.8	76.2	74.0	122.3	128.7	54.3
		Shalimar pop corn (C)	78.5	78.6	76.5	123.0	127.2	56.0
		VL Amber pop corn (C)	76.3	75.8	73.2	102.0	113.0	46.0
	150% RDF	IHPC 1201	74.1	77.8	75.4	125.3	131.0	59.0
		DPCH-306	76.7	78.3	76.0	128.7	134.3	60.0
		IHPC 1203	75.9	76.7	75.6	124.0	127.7	57.0
		Shalimar pop corn (C)	79.6	79.2	77.6	126.0	95.7	65.3
		VL Amber pop corn (C)	74.8	74.5	72.2	106.0	116.0	51.0
1,00,000	100% RDF	IHPC 1201	95.9	90.3	88.6	126.3	130.3	58.7
		DPCH-306	89.6	95.4	93.0	132.2	141.3	61.3
		IHPC 1203	89.3	88.5	87.6	116.3	127.3	55.0
		Shalimar pop corn (C)	90.4	89.6	88.4	122.3	120.3	55.0
		VL Amber pop corn (C)	91.5	90.2	88.6	99.7	104.0	45.7
	150% RDF	IHPC 1201	94.8	92.4	91.2	128.6	126.3	58.7
		DPCH-306	95.9	96.2	95.3	132.5	127.0	54.0
		IHPC 1203	97.0	90.3	89.1	118.4	129.7	62.7
		Shalimar pop corn (C)	93.3	91.6	89.5	124.2	132.0	63.3
		VL Amber pop corn (C)	94.8	92.5	90.2	108.7	117.7	55.3
Mean of location			85.0	84.4	82.6	120.8	124.4	56.5
83,000			76.8	77.2	75.0	120.6	123.2	55.9
1,00,000			93.3	91.7	90.2	120.9	125.6	57.0
CD at 5%			1.9	4.4	3.8	NS	NS	NS
CV (%)			2.0	4.7	4.2	4.8	3.0	14.0
100% RDF			84.3	83.9	81.9	119.3	125.0	54.3
150% RDF			85.7	84.9	83.2	122.2	123.7	58.6
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			6.1	4.9	4.7	8.3	10.6	13.7
IHPC 1201			85.6	84.5	82.3	126.0	128.9	57.6
DPCH-306			84.6	86.8	84.8	129.6	133.2	58.0
IHPC 1203			85.0	82.9	81.6	120.3	128.3	57.3
Shalimar pop corn (C)			85.5	84.7	83.0	123.9	118.8	59.9
VL Amber pop corn (C)			84.4	83.3	81.1	104.1	112.7	49.5
CD at 5%			NS	NS	NS	7.6	6.1	4.8
CV (%)			4.0	4.4	4.8	7.6	5.8	10.1

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Density	Nutrient levels	Genotypes	Days to 50% tasseling		Days to 50% silking		100 grain weight (g)	
			Karimnagar	Peddapuram	Karimnagar	Peddapuram	Karimnagar	Peddapuram
83,000	100% RDF	IHPC 1201	51.0	50.0	54.7	53.3	16.3	16.5
		DPCH-306	50.0	50.3	53.7	54.0	15.3	17.4
		IHPC 1203	50.0	50.7	54.3	54.3	18.5	15.3
		Shalimar pop corn (C)	50.3	50.0	54.3	53.7	17.0	18.5
		VL Amber pop corn (C)	50.0	50.0	54.0	54.3	15.0	13.2
	150% RDF	IHPC 1201	49.7	49.3	54.3	53.7	18.3	17.3
		DPCH-306	49.3	49.3	53.7	53.7	17.3	18.5
		IHPC 1203	49.3	49.7	53.7	54.0	17.3	16.3
		Shalimar pop corn (C)	49.3	49.7	54.3	53.3	16.0	19.2
		VL Amber pop corn (C)	50.3	49.3	54.7	53.3	14.7	14.7
1,00,000	100% RDF	IHPC 1201	49.7	50.7	54.7	54.0	16.0	17.3
		DPCH-306	50.0	50.3	54.0	54.7	16.3	18.1
		IHPC 1203	50.7	50.7	54.0	55.0	16.3	15.2
		Shalimar pop corn (C)	50.7	50.7	55.0	54.0	15.3	16.2
		VL Amber pop corn (C)	49.3	50.7	53.7	54.0	16.3	12.6
	150% RDF	IHPC 1201	50.0	49.7	54.0	53.7	14.7	17.6
		DPCH-306	50.0	50.0	53.7	54.0	17.0	18.5
		IHPC 1203	50.3	50.3	54.0	54.7	18.0	16.0
		Shalimar pop corn (C)	49.7	50.3	53.7	54.0	17.3	17.5
		VL Amber pop corn (C)	49.7	50.0	54.3	53.3	16.0	12.2
Mean of location			50.0	50.1	54.1	54.0	16.5	16.4
83,000			49.9	49.8	54.2	53.8	16.6	16.7
1,00,000			50.0	50.3	54.1	54.1	16.3	16.1
CD at 5%			NS	NS	NS	0.1	NS	NS
CV (%)			1.3	1.5	1.3	0.2	11.9	3.7
100% RDF			50.2	50.4	54.2	54.1	16.3	16.0
150% RDF			49.8	49.8	54.0	53.8	16.7	16.8
CD at 5%			0.3	0.1	NS	NS	NS	NS
CV (%)			0.9	0.4	1.4	1.0	19.3	12.0
IHPC 1201			50.1	49.9	54.4	53.7	16.3	17.2
DPCH-306			49.8	50.0	53.8	54.1	16.5	18.1
IHPC 1203			50.1	50.3	54.0	54.5	17.5	15.7
Shalimar pop corn (C)			50.0	50.2	54.3	53.8	16.4	17.9
VL Amber pop corn (C)			49.8	50.0	54.2	53.8	15.5	13.2
CD at 5%			NS	NS	0.5	NS	NS	1.7
CV (%)			1.5	1.5	1.0	1.7	11.9	12.7

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Density	Nutrient levels	Genotypes	Net returns (Rs./ha)		B:C Ratio		Cob length (cm)	Cob girth (cm)	Grains rows/ cob	Grains/ row
			Karimnagar	Peddapuram	Karimnagar	Peddapuram	Karimnagar			
83,000	100% RDF	IHPC 1201	47325.7	56651	1.78	2.49	15.8	11.1	13.5	33.5
		DPCH-306	54259	62386	1.90	2.65	17.3	12.3	13.1	33.9
		IHPC 1203	62167	49191	2.03	2.30	15.8	11.5	12.9	30.4
		Shalimar pop corn (C)	58399	65780	1.97	2.73	16.0	11.6	14.1	31.3
		VL Amber pop corn (C)	23799	28448	1.39	1.75	15.2	11.0	12.8	29.8
	150% RDF	IHPC 1201	65150	56565	2.06	2.41	15.9	11.1	12.8	32.3
		DPCH-306	55122	63626	1.90	2.58	16.2	10.9	12.9	34.2
		IHPC 1203	58636	51180	1.95	2.27	16.1	11.0	12.8	35.2
		Shalimar pop corn (C)	58227	68300	1.95	2.70	15.7	11.7	13.1	32.5
		VL Amber pop corn (C)	30724	32420	1.50	1.81	15.2	11.0	12.8	30.3
1,00,000	100% RDF	IHPC 1201	58062	60185	1.93	2.51	15.9	12.1	12.9	32.7
		DPCH-306	59228	69723	1.95	2.74	16.6	11.3	12.8	32.7
		IHPC 1203	46153	51594	1.74	2.29	16.0	11.3	12.8	30.6
		Shalimar pop corn (C)	47646	54433	1.76	2.36	15.5	11.4	13.2	31.1
		VL Amber pop corn (C)	27378	33244	1.44	1.83	14.4	10.7	12.5	29.1
	150% RDF	IHPC 1201	55517	60735	1.87	2.44	16.6	10.7	13.2	32.9
		DPCH-306	56832	73908	1.89	2.75	17.0	11.0	13.2	34.7
		IHPC 1203	63006	56265	1.99	2.33	15.7	11.3	12.9	33.8
		Shalimar pop corn (C)	60613	59064	1.95	2.40	15.8	11.5	14.1	33.3
		VL Amber pop corn (C)	36693	33233	1.58	1.79	14.8	10.7	12.6	30.8
Mean of location			51246.9	54346.6	1.83	2.36	15.9	11.3	13.1	32.3
83,000			51381	53455	1.84	2.37	15.9	11.3	13.1	32.3
1,00,000			51113	55238	1.81	2.34	15.8	11.2	13.0	32.2
CD at 5%			NS	NS	NS	NS	NS	NS	NS	NS
CV (%)			49.6	21.5	22.2	12.2	5.9	8.1	5.4	8.0
100% RDF			48442	53164	1.79	2.37	15.8	11.4	13.1	31.5
150% RDF			54052	55530	1.86	2.35	15.9	11.1	13.1	33.0
CD at 5%			NS	NS	NS	NS	NS	NS	NS	NS
CV (%)			36.0	12.1	16.5	6.9	6.3	7.1	4.8	9.9
IHPC 1201			56514	58534	1.91	2.46	16.1	11.2	13.1	32.9
DPCH-306			56360	67411	1.91	2.68	16.8	11.4	13.0	33.9
IHPC 1203			57491	52058	1.93	2.30	15.9	11.3	12.9	32.5
Shalimar pop corn (C)			56221	61894	1.91	2.55	15.8	11.6	13.6	32.0
VL Amber pop corn (C)			29649	31836	1.48	1.79	14.9	10.8	12.7	30.0
CD at 5%			11347.0	6217.9	0.2	0.2	1.0	NS	NS	1.9
CV (%)			26.6	13.8	12.1	8.0	7.9	6.8	6.4	7.2

Table 13: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels Northern Hill Zone (NHZ).

Density*	Nutrient levels	Genotypes	Green cobs yield (kg/ha)			Green fodder yield (kg/ha)		Plants ('000/ha)	
			Almora	Imphal	NHZ	Almora	Imphal	Almora	Imphal
55,000	100% RDF	Madhuri	13189	9802	11496	14163	15903	55.6	50.2
		Priya	11162	7658	9410	11829	14012	55.6	47.5
		ASKH 1	12797	5195	8996	15268	9203	55.6	35.7
		Win Orange	9584	5993	7788	13083	11145	33.5	37.4
	150% RDF	Madhuri	15910	8558	12234	17936	16663	55.6	47.5
		Priya	12214	7112	9663	13732	14657	55.6	46.8
		ASKH 1	15151	5439	10295	18413	9962	55.6	34.3
		Win Orange	11252	5718	8485	14505	12419	34.0	34.7
66,000	100% RDF	Madhuri	16939	11400	14169	20062	20207	83.3	61.3
		Priya	17188	9886	13537	18524	18269	83.3	58.9
		ASKH 1	20709	6812	13760	24983	12067	83.3	41.4
		Win Orange	12189	7055	9622	17429	14947	40.3	43.1
	150% RDF	Madhuri	21753	10396	16074	26205	19880	83.3	57.9
		Priya	19098	9189	14143	25477	17936	83.3	59.9
		ASKH 1	22791	6089	14440	31418	11584	83.3	40.1
		Win Orange	13590	6439	10014	19141	14593	41.7	43.8
Mean of location			15344.6	7671.4	11508.0	18885.5	14590.6	61.4	46.3
55,000			12657	6935	9796	14866	12996	50.1	41.8
66,000			18032	8408	13220	22905	16186	72.7	50.8
CD at 5%			350.6	1098.9	724.8	1191.9	1912.1	2.2	NS
CV (%)			1.8	11.5	6.7	5.1	10.6	2.9	16.0
100% RDF			14220	7975	11097	16918	14469	61.3	46.9
150% RDF			16470	7368	11919	20853	14712	61.5	45.6
CD at 5%			1566.5	NS	1566.5	1799.1	NS	NS	NS
CV (%)			12.7	10.5	11.6	11.9	5.7	1.5	11.1
Madhuri			16948	10039	13493	19591	18163	69.4	54.2
Priya			14915	8461	11688	17390	16219	69.4	53.3
ASKH 1			17862	5884	11873	22521	10704	69.4	37.9
Win Orange			11654	6301	8977	16040	13276	37.4	39.7
CD at 5%			1229.4	650.9	940.2	1921.7	1337.8	1.1	3.2
CV (%)			9.5	10.1	9.8	12.1	10.9	2.0	8.2

*55,000 and 83,000 at Almora

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Density*	Nutrient levels	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days 50% tasseling		Days 50% silking	
			Almora	Imphal	Almora	Imphal	Almora	Imphal	Almora	Imphal
55,000	100% RDF	Madhuri	63.6	55.6	197.8	202.3	52.3	55.3	55.7	58.3
		Priya	58.7	53.2	173.5	187.4	51.3	54.3	54.3	57.3
		ASKH 1	55.6	37.0	189.1	177.0	53.3	57.0	56.3	59.7
		Win Orange	46.7	39.1	200.6	188.5	53.0	55.3	56.7	58.0
	150% RDF	Madhuri	71.4	53.5	213.1	203.8	50.3	55.3	53.7	57.7
		Priya	63.1	49.8	183.3	181.5	51.0	57.0	54.3	59.3
		ASKH 1	59.6	36.7	197.8	186.4	52.3	56.3	55.3	59.0
		Win Orange	52.0	37.7	205.5	186.1	53.3	56.3	56.3	59.3
66,000	100% RDF	Madhuri	88.2	65.3	189.4	204.8	52.3	55.0	55.3	57.7
		Priya	92.7	63.0	180.3	189.0	51.3	56.0	54.7	59.7
		ASKH 1	86.4	44.8	199.8	193.7	52.3	56.3	55.0	59.3
		Win Orange	53.7	47.5	198.2	188.0	53.0	56.3	56.0	59.7
	150% RDF	Madhuri	99.4	62.6	208.4	205.3	51.0	55.0	54.0	57.7
		Priya	93.7	58.9	200.5	184.6	49.3	56.0	52.3	58.3
		ASKH 1	87.8	44.1	209.3	190.7	52.0	56.3	55.0	59.3
		Win Orange	60.2	46.1	211.2	191.2	52.3	56.0	55.3	58.3
Mean of location			70.8	49.7	197.4	191.3	51.9	55.9	55.0	58.7
55,000			58.8	45.3	195.1	189.1	52.1	55.9	55.3	58.6
66,000			82.8	54.0	199.6	193.4	51.7	55.9	54.7	58.8
CD at 5%			8.0	8.4	NS	NS	NS	NS	NS	NS
CV (%)			9.1	13.6	7.7	5.2	1.9	1.2	1.6	0.9
100% RDF			68.2	50.7	191.1	191.3	52.4	55.7	55.5	58.7
150% RDF			73.4	48.7	203.6	191.2	51.5	56.0	54.5	58.6
CD at 5%			4.7	NS	10.5	NS	NS	NS	NS	NS
CV (%)			8.2	8.8	6.6	5.5	3.6	1.6	3.4	0.9
Madhuri			80.7	59.3	202.2	204.0	51.5	55.2	54.7	57.8
Priya			77.1	56.2	184.4	185.6	50.8	55.8	53.9	58.7
ASKH 1			72.4	40.7	199.0	187.0	52.5	56.5	55.4	59.3
Win Orange			53.2	42.6	203.9	188.4	52.9	56.0	56.1	58.8
CD at 5%			3.3	3.2	NS	6.7	0.9	0.6	0.9	0.6
CV (%)			5.5	7.7	4.4	4.2	2.0	1.2	2.0	1.1

*55,000 and 83,000 at Almora

Cont…

Density*	Nutrient levels	Genotypes	Net returns (Rs. /ha)		B:C ratio		Cob length (cm)	Cob girth (cm)	Grain rows /cob	Grains/ row
			Almora	Imphal	Almora	Imphal	Imphal	Imphal	Imphal	Imphal
55,000	100% RDF	Madhuri	260912	135552	3.26	3.53	19.3	14.7	13.1	34.0
		Priya	208577	100684	2.61	2.62	17.1	13.3	12.3	32.7
		ASKH 1	252311	55284	3.16	1.44	15.0	12.1	11.7	31.0
		Win Orange	170587	70766	2.15	1.84	16.0	12.5	12.0	30.9
	150% RDF	Madhuri	328783	113747	3.94	2.60	19.7	15.3	13.0	32.7
		Priya	233343	88792	2.81	2.03	16.9	14.4	12.7	33.0
		ASKH 1	310650	55078	3.75	1.26	15.2	12.8	11.9	32.3
		Win Orange	210358	64056	2.55	1.47	16.2	12.9	12.3	31.7
66,000	100% RDF	Madhuri	353918	166431	4.13	4.24	21.2	16.7	13.6	32.3
		Priya	358722	140605	4.18	3.58	17.1	15.7	12.7	31.7
		ASKH 1	452170	83576	5.29	2.12	15.6	13.5	12.8	29.0
		Win Orange	234452	92902	2.78	2.36	15.9	13.2	13.0	28.7
	150% RDF	Madhuri	475864	145576	5.35	3.24	21.0	14.9	12.6	33.7
		Priya	409135	124296	4.61	2.77	17.3	14.5	12.3	32.2
		ASKH 1	506471	66891	5.73	1.50	14.6	13.0	12.0	27.7
		Win Orange	267718	77791	3.07	1.74	15.9	12.5	12.4	32.0
Mean of location			314623.2	98876.7	3.71	2.40	17.1	13.9	12.5	31.6
55,000			246940	85495	3.03	2.10	16.9	13.5	12.4	32.3
66,000			382306	112259	4.39	2.69	17.3	14.3	12.7	30.9
CD at 5%			8138.2	15495.5	0.1	0.4	NS	NS	NS	NS
CV (%)			2.1	12.6	1.5	12.6	11.8	4.9	4.7	19.3
100% RDF			286456	105725	3.44	2.72	17.2	14.0	12.7	31.3
150% RDF			342790	92028	3.98	2.08	17.1	13.8	12.4	31.9
CD at 5%			40391.0	9150.8	0.5	0.2	NS	NS	NS	NS
CV (%)			16.0	11.5	16.0	11.5	4.3	4.8	13.6	12.7
Madhuri			354869	140327	4.17	3.40	20.3	15.4	13.1	33.2
Priya			302444	113594	3.55	2.75	17.1	14.5	12.5	32.4
ASKH 1			380400	65207	4.48	1.58	15.1	12.9	12.1	30.0
Win Orange			220779	76379	2.64	1.85	16.0	12.8	12.4	30.8
CD at 5%			31962.0	9895.3	0.4	0.2	1.1	0.7	0.6	NS
CV (%)			12.1	11.9	12.1	11.9	7.4	6.2	5.5	13.5

*55,000 and 83,000 at Almora

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Density*	Nutrient levels	Genotypes	100-seed weight (g)	TSS (%)	Turcicum Leaf Blight (0-9 scale score)	Maydis Leaf Blight (0-9 scale score)	Banded Leaf Sheath Blight (0-9 scale score)
			Imphal	Almora	Almora	Almora	Almora
55,000	100% RDF	Madhuri	13.1	18.9	0.67	3.00	0.33
		Priya	12.8	17.6	0.33	1.00	1.33
		ASKH 1	16.5	17.9	1.00	0.67	1.67
		Win Orange	15.5	18.6	0.00	1.00	1.00
	150% RDF	Madhuri	13.9	18.7	0.33	1.67	1.00
		Priya	12.8	17.0	0.33	1.67	2.00
		ASKH 1	15.8	18.5	0.00	0.33	1.33
		Win Orange	14.7	19.7	0.67	0.67	1.67
66,000	100% RDF	Madhuri	13.9	20.6	0.00	2.00	0.67
		Priya	12.3	16.4	0.00	1.67	0.33
		ASKH 1	16.1	17.9	0.00	0.67	1.67
		Win Orange	14.8	19.4	0.33	1.67	1.33
	150% RDF	Madhuri	12.5	18.8	0.33	1.67	0.67
		Priya	12.6	18.3	0.67	0.67	1.33
		ASKH 1	15.8	16.7	0.33	0.33	1.33
		Win Orange	13.1	18.8	0.67	2.67	1.33
Mean of location			14.1	18.4	0.35	1.33	1.19
55,000			14.4	18.3	0.42	1.25	1.29
66,000			13.9	18.4	0.29	1.42	1.08
CD at 5%			NS	NS	NS	NS	NS
CV (%)			14.1	4.5	141.2	28.6	179.1
100% RDF			14.4	18.4	0.29	1.46	1.04
150% RDF			13.9	18.3	0.42	1.21	1.33
CD at 5%			NS	NS	NS	NS	NS
CV (%)			5.6	10.9	182.3	71.8	112.7
Madhuri			13.4	19.2	0.33	2.08	0.67
Priya			12.7	17.3	0.33	1.25	1.25
ASKH 1			16.0	17.7	0.33	0.50	1.50
Win Orange			14.5	19.1	0.42	1.50	1.33
CD at 5%			1.0	0.9	NS	0.7	NS
CV (%)			8.0	5.6	176.1	61.2	100.7

*55,000 and 83,000 at Almora

Table 14: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels North West Plain Zone (NWPZ).

Density	Nutrient levels	Genotypes	Green cob yield (kg/ha)			Green fodder yield (kg/ha)		Plants ('000/ha)	
			Ludhiana	Pantnagar	NWPZ	Ludhiana	Pantnagar	Ludhiana	Pantnagar
55,000	100% RDF	ASKH1	11458	12533	11996	20625	12269	52.8	53.2
		Madhuri	10903	10202	10552	19625	12847	55.6	54.4
		Priya	11181	9420	10300	20125	12963	53.5	55.6
		WinORG	10069		10069	18125		54.9	
	150% RDF	ASKH1	12188	12877	12532	23400	12616	56.3	55.6
		Madhuri	11806	10783	11294	22667	13194	54.9	55.6
		Priya	11875	9634	10754	22800	14063	58.3	55.6
		WinORG	11181		11181	21467		55.6	
66,000	100% RDF	ASKH1	13611	12846	13229	27222	11778	65.3	65.6
		Madhuri	11632	10653	11143	23264	14944	64.6	66.7
		Priya	12569	9773	11171	25139	12889	61.8	64.4
		WinORG	11806		11806	23611		63.9	
	150% RDF	ASKH1	14514	12988	13751	29028	13222	63.9	64.4
		Madhuri	12778	10681	11729	25556	12889	65.3	65.6
		Priya	13264	9905	11584	26528	12889	64.6	65.6
		WinORG	12569		12569	25139		65.3	
Mean of location			12087.7	11024.5	11556.1	23395.0	13046.9	59.8	60.2
66,000			11332	10908	11120	21104	12992	55.2	55.0
83,000			12843	11141	11992	25686	13102	64.3	65.4
CD at 5%			772.9	NS	772.9	1476.9	NS	5.1	2.2
CV (%)			5.1	5.6	5.4	5.1	13.2	6.8	2.5
100% RDF			11654	10904	11279	22217	12948	59.0	60.0
1540% RDF			12522	11145	11833	24573	13145	60.5	60.4
CD at 5%			794.6	NS	794.6	1567.5	NS	NS	NS
CV (%)			8.2	9.0	8.6	8.4	4.8	4.2	1.9
ASKH1			12943	12811	12877	25069	12471	59.5	59.7
Madhuri			11780	10580	11180	22778	13469	60.1	60.5
Priya			12222	9683	10952	23648	13201	59.5	60.3
WinORG			11406		11406	22085		59.9	
CD at 5%			890.7	903.9	897.3	1711.8	NS	NS	NS
CV (%)			8.7	9.5	9.1	8.7	8.5	3.0	2.7

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Density	Nutrient levels	Genotypes	Cobs ('000/ha)		Plant height (cm)		Days to 50% tasseling		Days to 50% silking	
			Ludhiana	Pantnagar	Ludhiana	Pantnagar	Ludhiana	Pantnagar	Ludhiana	Pantnagar
55,000	100% RDF	ASKH1	52.1	53.2	153.3	152.6	55.3	47.7	57.3	51.0
		Madhuri	52.8	54.4	143.3	157.8	56.0	47.0	58.0	50.0
		Priya	51.4	55.6	130.0	137.5	52.3	47.3	54.7	50.7
		WinORG	52.1		150.0		52.7		54.7	
	150% RDF	ASKH1	53.5	55.6	165.0	158.9	51.0	47.7	53.3	51.3
		Madhuri	52.8	55.6	158.3	159.2	53.0	47.7	55.0	50.7
		Priya	55.6	55.6	148.3	138.9	52.0	47.7	54.0	51.3
		WinORG	52.1		161.7		49.7		51.7	
66,000	100% RDF	ASKH1	61.8	65.6	161.7	158.7	56.0	47.3	58.0	50.7
		Madhuri	62.5	66.7	153.3	160.1	56.7	47.0	58.7	50.7
		Priya	59.0	64.4	138.3	144.5	53.0	47.0	55.0	50.3
		WinORG	61.1		156.7		53.3		55.3	
	150% RDF	ASKH1	61.1	64.4	168.3	160.7	56.0	47.3	58.0	50.7
		Madhuri	63.2	65.6	163.3	168.5	55.0	47.7	57.0	51.0
		Priya	61.8	65.6	141.7	146.4	52.3	47.3	54.3	50.3
		WinORG	61.8		163.3		51.7		53.7	
Mean of location			57.2	60.2	153.5	153.6	53.5	47.4	55.5	50.7
66,000			52.8	55.0	151.3	150.8	52.8	47.5	54.8	50.8
83,000			61.5	65.4	155.8	156.5	54.3	47.3	56.3	50.6
CD at 5%			3.3	2.2	NS	NS	NS	NS	NS	NS
CV (%)			4.7	2.5	10.1	4.1	3.3	1.3	3.4	0.3
100% RDF			56.6	60.0	148.3	151.9	54.4	47.2	56.5	50.6
1540% RDF			57.7	60.4	158.8	155.4	52.6	47.6	54.6	50.9
CD at 5%			NS	NS	7.3	NS	1.1	NS	1.2	NS
CV (%)			5.9	1.9	5.9	6.2	2.7	1.4	2.8	1.6
ASKH1			57.1	59.7	162.1	157.7	54.6	47.5	56.7	50.9
Madhuri			57.8	60.5	154.6	161.4	55.2	47.3	57.2	50.6
Priya			56.9	60.3	139.6	141.8	52.4	47.3	54.5	50.7
WinORG			56.8		157.9		51.8		53.8	
CD at 5%			NS	NS	8.0	8.1	0.9	NS	0.9	NS
CV (%)			3.6	2.7	6.2	6.1	1.9	1.2	1.9	1.6

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Density	Nutrient levels	Genotypes	Net returns (Rs/ha)		BC ratio		TSS (%)	Barren plant/plot
			Ludhiana	Pantnagar	Ludhiana	Pantnagar	Pantnagar	Ludhiana
55,000	100% RDF	ASKH1	46130	208546	1.14	4.95	13.0	1.7
		Madhuri (C)	41925	161919	1.03	3.84	12.0	1.3
		Priya (C)	44028	146279	1.08	3.47	12.3	1.3
		WinORG (C)	35617		0.88			1.3
	150% RDF	ASKH1	48577	212347	1.07	4.70	13.0	1.3
		Madhuri (C)	45633	170467	1.01	3.77	13.7	1.3
		Priya (C)	46168	147480	1.02	3.26	14.3	1.3
		WinORG (C)	40816		0.90			1.3
66,000	100% RDF	ASKH1	64642	211953	1.56	4.71	13.0	2.0
		Madhuri (C)	49205	168093	1.18	3.74	12.3	1.0
		Priya (C)	56518	150479	1.36	3.35	11.3	1.3
		WinORG (C)	50559		1.22			1.7
	150% RDF	ASKH1	66929	211714	1.45	4.41	12.3	1.7
		Madhuri (C)	53388	165560	1.15	3.45	12.3	1.3
		Priya (C)	57179	150047	1.24	3.12	12.0	1.3
		WinORG (C)	51763		1.12			1.3
Mean of location			49942.3	175407.1	1.15	3.90	12.6	1.4
66,000			43612	174507	1.02	4.00	13.1	1.4
83,000			56273	176308	1.28	3.79	12.2	1.5
CD at 5%			5949.4	NS	0.1	NS	NS	NS
CV (%)			9.6	7.0	9.3	7.3	12.1	36.7
100% RDF			48578	174545	1.18	4.01	12.3	1.5
1540% RDF			51307	176269	1.12	3.78	12.9	1.4
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			15.4	11.3	15.2	11.1	7.0	22.8
ASKH1			56570	211140	1.30	4.69	12.8	1.7
Madhuri (C)			47538	166510	1.09	3.70	12.6	1.3
Priya (C)			50973	148572	1.17	3.30	12.5	1.3
WinORG (C)			44688		1.03			1.4
CD at 5%			6866.4	18078.7	0.2	0.4	NS	NS
CV (%)			16.3	11.9	16.4	11.9	11.4	41.6

Table 15: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels North East Plain Zone (NEPZ).

Density*	Nutrient levels	Hybrid	Green cob yield (kg/ha)			Green fodder yield (kg/ha)		Plants ('000/ha)	
			Dholi	Ranchi	NEPZ	Dholi	Ranchi	Dholi	Ranchi
66,000	100% RDF	ASKH1	4829	11809	8319	9169	18333	72.0	63.0
		Madhuri	9609	11006	10308	12667	19120	76.0	63.3
		Priya	7990	10879	9435	16800	17769	74.7	64.8
		WinORG	9384	8463	8924	12667	21259	74.7	64.8
	150% RDF	ASKH1	4573	13005	8789	8782	19877	73.3	63.9
		Madhuri	9249	12164	10707	12333	20958	73.3	65.1
		Priya	11733	11747	11740	16800	18920	74.7	64.2
		WinORG	9182	9617	9400	12467	21207	69.3	64.5
55,000	100% RDF	ASKH1	3831	11452	7642	7244	16728	60.0	53.1
		Madhuri	8418	10648	9533	10733	17130	58.7	53.7
		Priya	9964	9476	9720	14044	14969	58.7	52.2
		WinORG	7831	7667	7749	10600	19235	62.7	54.9
	150% RDF	ASKH1	4667	11963	8315	8658	17037	58.7	53.1
		Madhuri	7969	11102	9536	10667	16747	57.3	53.1
		Priya	9969	9676	9823	13929	16481	60.0	53.7
		WinORG	7747	8048	7898	10600	17809	58.7	54.3
Mean of location			7934.1	10545.1	9239.6	11760.0	18348.7	66.4	58.9
66,000			8319	11086	9703	12711	19680	73.5	64.2
55,000			7549	10004	8777	10809	17017	59.3	53.5
CD at 5%			NS	NS	NS	245.8	796.9	1.3	3.6
CV (%)			19.7	10.3	15.0	1.7	3.5	1.6	4.9
100% RDF			7732	10175	8954	11741	18068	67.2	58.7
150% RDF			8136	10915	9526	11779	18629	65.7	59.0
CD at 5%			NS	705.2	705.2	NS	NS	NS	NS
CV (%)			23.5	8.3	15.9	2.3	7.4	5.0	3.1
ASKH1			4475	12057	8266	8463	17994	66.0	58.3
Madhuri			8811	11230	10021	11600	18489	66.3	58.8
Priya			9914	10444	10179	15393	17035	67.0	58.7
WinORG			8536	8449	8492	11583	19877	66.3	59.6
CD at 5%			1385.0	771.9	1078.4	337.5	937.7	NS	NS
CV (%)			20.7	8.7	14.7	3.4	6.1	2.3	5.2

*74,000 and 60,000 at Dholi

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Density*	Nutrient levels	Hybrid	Cobs ('000/ha)		Plant height (cm)		Days of 50% tasseling	
			Dholi	Ranchi	Dholi	Ranchi	Dholi	Ranchi
66,000	100% RDF	ASKH1	79.2	63.3	137.3	174.8	52.7	44.3
		Madhuri	83.6	61.4	158.7	194.4	46.3	44.3
		Priya	82.1	64.5	180.7	176.2	50.7	41.7
		WinORG	82.1	64.2	144.0	206.4	44.7	50.3
	150% RDF	ASKH1	80.7	63.9	161.3	196.0	44.7	43.7
		Madhuri	80.7	63.9	158.3	197.0	43.7	43.3
		Priya	82.1	64.2	154.3	182.9	50.7	44.3
		WinORG	76.3	63.9	156.3	214.9	48.3	49.3
55,000	100% RDF	ASKH1	66.0	51.9	141.0	183.3	43.3	44.0
		Madhuri	64.5	53.4	167.3	180.1	46.3	43.3
		Priya	64.5	50.3	147.7	174.2	51.3	43.7
		WinORG	68.9	51.5	163.0	222.6	45.3	50.0
	150% RDF	ASKH1	64.5	53.7	155.0	189.2	45.3	43.3
		Madhuri	63.1	52.8	154.0	184.4	50.3	41.3
		Priya	66.0	53.4	163.3	178.6	47.3	41.7
		WinORG	64.5	53.7	151.3	214.6	51.7	49.3
Mean of location			73.1	58.1	155.9	191.9	47.7	44.9
66,000			80.9	63.7	156.4	192.8	47.7	45.2
55,000			65.3	52.6	155.3	190.9	47.6	44.6
CD at 5%			1.4	5.7	NS	NS	NS	NS
CV (%)			1.6	7.8	11.6	7.5	2.0	8.2
100% RDF			73.9	57.6	155.0	189.0	47.6	45.2
150% RDF			72.2	58.7	156.8	194.7	47.8	44.5
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			5.0	2.7	6.9	5.4	2.9	5.4
ASKH1			72.6	58.2	148.7	185.8	46.5	43.8
Madhuri			73.0	57.9	159.6	189.0	46.7	43.1
Priya			73.7	58.1	161.5	178.0	50.0	42.8
WinORG			73.0	58.3	153.7	214.6	47.5	49.8
CD at 5%			NS	NS	NS	10.0	1.3	1.0
CV (%)			2.3	5.9	11.9	6.2	3.1	2.6

*74,000 and 60,000 at Dholi

Cont…

Density*	Nutrient levels	Hybrid	Days of 50% silking		Net Return (Rs./ha)		B:C Ratio	
			Dholi	Ranchi	Dholi	Ranchi	Dholi	Ranchi
66,000	100% RDF	ASKH1	54.7	49.3	22511	190164	0.78	3.83
		Madhuri	49.0	47.3	48289	174272	1.67	3.51
		Priya	54.0	47.7	63489	171458	2.20	3.45
		WinORG	46.7	53.3	47815	123836	1.66	2.49
	150% RDF	ASKH1	46.7	49.3	20234	211092	0.70	3.98
		Madhuri	45.7	48.0	46033	194487	1.59	3.67
		Priya	53.7	49.0	71350	185746	2.47	3.51
		WinORG	51.0	54.0	46493	143611	1.61	2.71
55,000	100% RDF	ASKH1	47.7	49.7	11755	186463	0.41	4.06
		Madhuri	48.3	47.3	37087	170463	1.28	3.71
		Priya	54.7	47.7	55235	146587	1.91	3.19
		WinORG	47.3	53.3	35255	111267	1.22	2.42
	150% RDF	ASKH1	48.7	47.3	19870	193441	0.69	3.93
		Madhuri	53.7	45.3	35845	176161	1.24	3.58
		Priya	48.7	46.7	54725	147589	1.89	3.00
		WinORG	54.7	51.3	35078	115299	1.21	2.34
Mean of location			50.3	49.2	40691.5	165121.1	1.41	3.34
66,000			50.2	49.8	45777	174333	1.58	3.39
55,000			50.5	48.6	35606	155909	1.23	3.28
CD at 5%			NS	NS	4277.2	NS	0.2	NS
CV (%)			2.3	5.0	8.5	13.1	8.5	12.5
100% RDF			50.3	49.5	40180	159314	1.39	3.33
150% RDF			50.3	48.9	41203	170928	1.43	3.34
CD at 5%			NS	NS	NS	NS	NS	NS
CV (%)			2.4	5.3	11.9	10.6	11.9	10.3
ASKH1			49.4	48.9	18593	195290	0.64	3.95
Madhuri			49.2	47.0	41813	178846	1.45	3.62
Priya			52.8	47.8	61200	162845	2.12	3.29
WinORG			49.9	53.0	41160	123503	1.42	2.49
CD at 5%			1.3	1.0	3661.2	15404.0	0.1	0.3
CV (%)			3.1	2.3	10.7	11.1	10.7	11.0

*74,000 and 60,000 at Dholi

Table 16: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels Peninsular Zone (PZ).

Density	Nutrient levels	Genotypes	Cob yield with husk (kg/ha)				Cob yield without husk (kg/ha)	Green fodder yield (kg/ha)		
			Coimbatore	Karimnagar	Kolhapur	PZ	Karimnagar	Coimbatore	Karimnagar	Kolhapur
55,000	100% RDF	ASKH1	18134	6552	9083	11256	4880	18293	8222	12111
		Madhuri	15923	5908	9528	10453	3845	18876	9704	12333
		Priya	15092	5389	10514	10332	3951	18615	7704	13972
		WinORG	13881	4359	10069	9437	2943	19867	6444	13625
		BIO 4043	19167	4768	9167	11034	3057	21669	11741	13333
		MISTHI	19624	7958	8972	12185	5422	22104	14111	13028
		VL SWEET CORN	16029	7346	9333	10903	5175	19705	9111	13417
	150% RDF	ASKH1	18738	6384	9778	11633	4543	19458	8778	14594
		Madhuri	16458	6757	10306	11174	4815	20079	8370	16017
		Priya	15601	4928	10542	10357	3138	19801	6963	17477
		WinORG	14352	4174	10750	9759	2939	21134	6037	17409
		BIO 4043	19801	5043	9778	11541	3439	23053	10889	16368
		MISTHI	20272	8595	9667	12845	6003	23517	13259	16468
		VL SWEET CORN	16567	7321	9889	11259	5056	20962	9037	16681
66,000	100% RDF	ASKH1	21017	6735	8556	12103	4070	21362	9111	12000
		Madhuri	18475	7531	8944	11650	5616	22009	10815	11583
		Priya	17520	5496	9167	10727	4021	21705	8667	12903
		WinORG	16128	4331	9222	9894	2935	23166	6370	13528
		BIO 4043	22203	5271	9083	12186	3897	25269	10963	12181
		MISTHI	22727	8430	8861	13339	5744	25777	13667	12667
		VL SWEET CORN	18597	7840	8528	11655	5831	22977	10333	12500
	150% RDF	ASKH1	21603	7259	9222	12695	5184	22694	8926	14594
		Madhuri	18994	6897	9333	11741	4896	23418	9037	15138
		Priya	18014	5404	9417	10945	3911	23094	7481	16364
		WinORG	16588	3988	9222	9933	2655	24648	6630	16256
		BIO 4043	22822	5134	9361	12439	3675	26885	11185	15918
		MISTHI	23360	8024	9278	13554	5386	27425	11333	16434
		VL SWEET CORN	19119	7594	9125	11946	5316	24447	9778	16320
Mean of location			18457.3	6264.9	9453.4	11391.9	4369.3	22214.6	9452.3	14472.1
55,000			17117	6106	9813	11012	4229	20509	9312	14774
66,000			19798	6424	9094	11772	4510	23920	9592	14170
CD at 5%			1332.3	NS	714.0	1023.2	NS	1684.5	NS	504.1
CV (%)			7.7	17.4	8.0	11.1	16.1	8.1	23.3	3.7
100% RDF			18180	6280	9216	11225	4385	21528	9783	12799
150% RDF			18735	6250	9690	11559	4354	22901	9122	16146
CD at 5%			226.9	NS	276.0	251.4	NS	709.8	NS	599.7
CV (%)			2.0	7.4	4.8	4.7	8.6	5.3	11.9	6.8
ASKH1			19873	6732	9160	11922	4669	20452	8759	13325
Madhuri			17462	6773	9528	11254	4793	21095	9481	13768
Priya			16557	5304	9910	10590	3755	20804	7704	15179
WinORG			15237	4213	9816	9755	2868	22204	6370	15204
BIO 4043			20998	5054	9347	11800	3517	24219	11194	14450
MISTHI			21496	8252	9194	12981	5639	24706	13092	14649
VL SWEET CORN			17578	7525	9219	11441	5345	22023	9565	14729
CD at 5%			851.6	711.2	315.2	626.0	578.9	1043.3	1524.0	473.7
CV (%)			5.6	13.8	4.1	7.8	16.1	5.7	19.6	4.0

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Density	Nutrient levels	Genotypes	Plant height (cm)		Ear height (cm)	Cob length (cm)	Cob girth (cm)	Grain rows/ cob	Grains/ row
			Coimbatore	Karimnagar	Karimnagar				
55,000	100% RDF	ASKH1	199.2	128.0	80.7	18.7	16.6	14.3	29.9
		Madhuri (C)	200.6	131.3	81.3	16.8	15.9	13.1	30.1
		Priya (C)	190.7	131.3	82.3	17.3	14.6	13.3	27.0
		WinORG (C)	186.6	131.7	81.0	17.6	13.7	13.9	33.3
		BIO 4043	193.9	135.7	78.7	17.9	14.8	13.9	30.6
		MISTHI (C)	211.3	135.7	81.3	18.8	16.0	14.0	32.9
		VL SWEET CORN (C)	202.1	133.7	82.3	18.2	15.9	14.8	32.8
	150% RDF	ASKH1	201.9	143.3	81.0	17.3	14.9	13.7	32.5
		Madhuri (C)	203.2	132.7	81.7	17.8	13.4	13.9	29.4
		Priya (C)	193.6	137.0	82.3	16.8	14.0	13.6	27.1
		WinORG (C)	189.5	134.7	83.7	17.9	14.1	13.3	29.3
		BIO 4043	196.8	138.3	81.3	17.3	16.7	14.9	32.7
		MISTHI (C)	214.1	137.0	80.7	19.7	19.0	14.5	31.1
		VL SWEET CORN (C)	204.9	136.0	80.3	17.6	15.8	14.8	30.3
66,000	100% RDF	ASKH1	203.3	132.7	78.7	16.7	15.1	14.0	32.7
		Madhuri (C)	204.7	130.3	78.7	17.8	13.4	14.5	30.5
		Priya (C)	194.4	131.7	80.3	18.0	13.2	13.6	30.8
		WinORG (C)	190.1	133.0	84.0	17.7	13.8	13.6	30.1
		BIO 4043	198.1	143.7	79.7	18.2	16.9	14.8	33.3
		MISTHI (C)	215.9	136.0	79.3	20.1	13.7	15.7	33.0
		VL SWEET CORN (C)	206.5	134.7	81.3	18.0	16.2	14.3	32.8
	150% RDF	ASKH1	205.2	131.3	80.3	18.0	15.3	13.9	30.0
		Madhuri (C)	206.8	96.7	86.7	17.5	12.5	13.7	27.5
		Priya (C)	195.7	128.7	82.0	17.5	12.8	13.6	30.5
		WinORG (C)	191.2	131.0	82.0	17.6	13.8	12.8	34.0
		BIO 4043	199.5	130.3	80.0	17.9	16.8	15.3	32.5
		MISTHI (C)	218.7	131.7	79.3	20.2	17.7	14.5	33.3
		VL SWEET CORN (C)	208.9	133.0	81.7	17.4	15.4	14.3	28.9
Mean of location			201.0	132.5	81.2	17.9	15.1	14.1	31.0
55,000			199.2	134.7	81.3	17.8	15.4	14.0	30.7
66,000			202.8	130.3	81.0	18.0	14.8	14.2	31.4
CD at 5%			NS	2.8	NS	NS	NS	NS	NS
CV (%)			5.2	2.2	9.4	7.5	7.7	6.1	7.0
100% RDF			199.8	133.5	80.7	18.0	15.0	14.1	31.4
150% RDF			202.1	131.5	81.6	17.9	15.2	14.1	30.7
CD at 5%			NS	NS	NS	NS	NS	NS	NS
CV (%)			4.0	9.7	11.3	5.8	12.4	3.8	10.4
ASKH1			202.4	133.8	80.2	17.7	15.5	14.0	31.3
Madhuri (C)			203.8	122.8	82.1	17.5	13.8	13.8	29.4
Priya (C)			193.6	132.2	81.8	17.4	13.7	13.5	28.9
WinORG (C)			189.3	132.6	82.7	17.7	13.9	13.4	31.7
BIO 4043			197.1	137.0	79.9	17.8	16.3	14.7	32.3
MISTHI (C)			215.0	135.1	80.2	19.7	16.6	14.7	32.6
VL SWEET CORN (C)			205.6	134.3	81.4	17.8	15.8	14.5	31.2
CD at 5%			11.4	NS	NS	1.0	1.1	0.7	2.4
CV (%)			6.9	10.9	4.4	6.7	8.6	6.0	9.4

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Density	Nutrient levels	Genotypes	Days to 50% tasseling		Days to 50% silking			% of loss of husked Cob weight after de-husking
			Coimbatore	Karimnagar	Coimbatore	Karimnagar	Kolhapur	Karimnagar
55,000	100% RDF	ASKH1	47.0	52.3	49.7	56.0	54.3	74.8
		Madhuri (C)	45.7	50.3	48.0	54.3	53.7	65.0
		Priya (C)	45.3	50.0	48.0	54.0	54.0	73.4
		WinORG (C)	44.3	51.3	47.3	54.7	54.7	67.6
		BIO 4043	47.7	54.7	50.3	56.7	54.7	64.0
		MISTHI (C)	47.7	53.3	50.7	58.7	55.3	68.1
		VL SWEET CORN (C)	46.3	50.0	49.3	54.3	55.7	70.3
	150% RDF	ASKH1	47.3	50.7	50.0	55.3	54.7	71.1
		Madhuri (C)	45.7	50.3	48.7	55.0	54.0	71.3
		Priya (C)	45.7	50.3	48.3	55.0	54.7	63.7
		WinORG (C)	44.7	52.0	47.7	56.0	55.0	70.1
		BIO 4043	48.0	55.0	51.0	59.0	55.3	67.6
		MISTHI (C)	48.3	54.3	51.0	58.3	55.3	69.8
		VL SWEET CORN (C)	46.7	51.3	49.7	55.3	55.0	69.1
66,000	100% RDF	ASKH1	46.3	50.7	49.3	55.3	55.0	60.4
		Madhuri (C)	44.7	50.0	47.3	55.0	55.3	74.6
		Priya (C)	44.3	50.0	47.3	55.3	55.3	72.9
		WinORG (C)	43.7	51.7	46.3	57.3	56.3	67.6
		BIO 4043	47.3	54.0	49.7	57.3	56.3	73.6
		MISTHI (C)	47.3	50.7	50.3	56.7	55.7	67.9
		VL SWEET CORN (C)	45.3	50.0	48.0	54.7	55.7	74.3
	150% RDF	ASKH1	46.7	50.3	49.7	54.7	55.3	71.0
		Madhuri (C)	45.3	50.3	48.7	54.0	55.7	71.2
		Priya (C)	45.3	50.7	48.3	54.7	56.0	72.4
		WinORG (C)	44.7	53.3	47.7	57.0	56.3	66.3
		BIO 4043	47.3	55.3	50.0	57.7	55.3	70.7
		MISTHI (C)	47.7	56.0	50.3	59.3	55.3	67.0
		VL SWEET CORN (C)	45.7	50.0	48.3	55.3	55.7	70.1
Mean of location			46.1	51.8	49.0	56.0	55.2	69.5
55,000			46.5	51.9	49.3	55.9	54.7	69.0
66,000			45.8	51.6	48.7	56.0	55.7	70.0
CD at 5%			NS	NS	NS	NS	0.8	NS
CV (%)			6.5	1.0	6.0	2.0	1.6	2.1
100% RDF			45.9	51.4	48.7	55.7	55.1	69.6
150% RDF			46.4	52.1	49.2	56.2	55.3	69.4
CD at 5%			NS	0.5	NS	NS	NS	NS
CV (%)			8.1	1.7	6.8	2.2	1.2	2.2
ASKH1			46.8	51.0	49.7	55.3	54.8	69.3
Madhuri (C)			45.3	50.3	48.2	54.6	54.7	70.5
Priya (C)			45.2	50.3	48.0	54.8	55.0	70.6
WinORG (C)			44.3	52.1	47.3	56.3	55.6	67.9
BIO 4043			47.6	54.8	50.3	57.7	55.4	69.0
MISTHI (C)			47.8	53.6	50.6	58.3	55.4	68.2
VL SWEET CORN (C)			46.0	50.3	48.8	54.9	55.5	70.9
CD at 5%			NS	1.0	NS	1.1	0.6	NS
CV (%)			8.4	2.3	8.0	2.3	1.3	5.2

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Density	Nutrient levels	Genotypes	Net return (Rs./ha)		B:C ratio		TSS (%)	
			Coimbatore	Karimnagar	Coimbatore	Karimnagar	Coimbatore	Karimnagar
55,000	100% RDF	ASKH1	76292	96745	2.50	2.78	14.5	12.8
		Madhuri (C)	63609	96745	2.25	2.78	15.4	11.8
		Priya (C)	58362	94522	2.15	2.74	13.7	12.1
		WinORG (C)	52348	25634	2.03	1.47	13.7	11.4
		BIO 4043	85864	35634	2.69	1.66	14.6	12.8
		MISTHI (C)	89043	95634	2.75	2.76	14.8	12.3
		VL SWEET CORN (C)	65074	94522	2.28	2.74	14.3	12.7
	150% RDF	ASKH1	78451	95735	2.47	2.73	14.6	13.0
		Madhuri (C)	65392	96846	2.22	2.75	13.6	12.5
		Priya (C)	59974	95735	2.12	2.73	12.5	12.0
		WinORG (C)	53811	27958	2.01	1.50	14.4	12.2
		BIO 4043	88424	43513	2.65	1.79	15.1	11.6
		MISTHI (C)	91714	105735	2.72	2.91	13.0	11.9
		VL SWEET CORN (C)	66929	101290	2.25	2.83	15.1	12.4
66,000	100% RDF	ASKH1	94559	122464	2.79	3.17	15.4	12.7
		Madhuri (C)	79952	126909	2.51	3.25	14.9	12.7
		Priya (C)	73920	118020	2.40	3.09	14.6	12.8
		WinORG (C)	67029	52465	2.27	1.93	14.0	13.4
		BIO 4043	105582	52465	3.00	1.93	13.5	13.7
		MISTHI (C)	109234	124686	3.07	3.21	15.1	12.8
		VL SWEET CORN (C)	81656	115798	2.54	3.05	14.2	12.9
	150% RDF	ASKH1	96777	128121	2.74	3.23	14.5	12.4
		Madhuri (C)	81847	127010	2.47	3.21	15.8	12.5
		Priya (C)	75643	118121	2.36	3.06	14.4	13.3
		WinORG (C)	68639	35899	2.23	1.63	14.2	12.4
		BIO 4043	108280	42566	2.95	1.74	15.2	13.0
		MISTHI (C)	112048	130343	3.02	3.27	14.2	13.4
		VL SWEET CORN (C)	83626	123676	2.51	3.15	15.1	12.8
Mean of location			79788.5	90171.0	2.50	2.61	14.4	12.6
55,000			71092	79018	2.36	2.44	14.2	12.3
66,000			88485	101324	2.63	2.78	14.6	12.9
CD at 5%			7707.7	17952.7	0.1	0.3	NS	NS
CV (%)			10.3	21.2	6.0	13.2	4.9	6.5
100% RDF			78752	89446	2.52	2.61	14.5	12.6
150% RDF			80825	90896	2.48	2.61	14.4	12.5
CD at 5%			1882.1	NS	0.0	NS	NS	NS
CV (%)			3.9	16.8	2.2	10.3	11.8	6.4
ASKH1			86520	110766	2.63	2.98	14.8	12.7
Madhuri (C)			72700	111877	2.36	3.00	14.9	12.4
Priya (C)			66975	106599	2.26	2.90	13.8	12.6
WinORG (C)			60457	35489	2.13	1.63	14.1	12.3
BIO 4043			97037	43544	2.82	1.78	14.6	12.8
MISTHI (C)			100510	114099	2.89	3.04	14.3	12.6
VL SWEET CORN (C)			74321	108822	2.40	2.94	14.7	12.7
CD at 5%			5166.8	8464.0	0.1	0.2	NS	NS
CV (%)			7.9	11.4	4.8	7.0	6.9	6.4

Table 17: Performance of pre release sweet corn genotypes in *Kharif* under varying planting density and nutrients levels Central West Zone (CWZ).

Density	Nutrient levels	Genotypes	Green cob yield (kg/ha)				Green fodder yield (kg/ha)		
			Ambikapur	Banswara	Udaipur	CWZ	Ambikapur	Banswara	Udaipur
55,000	100% RDF	ASKH1	15593	9802	1919	9105	20852	16320	3813
		Madhuri (C)	14296	7835	8018	10050	18111	17063	17637
		Priya (C)	12296	6947	7015	8753	15963	13447	14433
		WinORG (C)	11519	6404	1732	6552	14741	11172	3123
	150% RDF	ASKH1	19222	10441	1918	10527	24074	16335	3813
		Madhuri (C)	17296	8467	8036	11266	21852	17216	17657
		Priya (C)	16593	6637	7019	10083	20963	14499	14537
		WinORG (C)	15185	6590	1524	7766	19259	11442	2873
66,000	100% RDF	ASKH1	18667	11670	2225	10854	23370	17615	4153
		Madhuri (C)	17556	10594	9046	12398	22037	17081	19907
		Priya (C)	15778	9988	8029	11265	20222	15568	16563
		WinORG (C)	14093	7773	1832	7899	17963	11280	3313
	150% RDF	ASKH1	20556	12249	2225	11676	26333	17634	4423
		Madhuri (C)	19481	12055	9038	13524	25111	17828	20003
		Priya (C)	19852	9991	8036	12626	24926	15952	16493
		WinORG (C)	17004	7226	1838	8689	21741	11859	3323
Mean of location			16561.6	9041.8	4965.6	10189.7	21094.9	15144.4	10379.2
55,000			15250	7890	4648	9263	19477	14687	9736
66,000			17873	10193	5284	11117	22713	15602	11023
CD at 5%			700.8	553.9	NS	627.4	779.9	NS	1169.4
CV (%)			3.4	4.9	12.5	6.9	3.0	7.8	9.1
100% RDF			14975	8877	4977	9610	19157	14943	10368
150% RDF			18149	9207	4954	10770	23032	15346	10390
CD at 5%			573.4	NS	NS	573.4	904	NS	NS
CV (%)			4.3	14.3	5.2	7.9	5.3	4.2	3.8
ASKH1			18509	11041	2072	10541	23657	16976	4051
Madhuri (C)			17157	9738	8535	11810	21778	17297	18801
Priya (C)			16130	8391	7525	10682	20519	14867	15507
WinORG (C)			14450	6998	1732	7727	18426	11438	3158
CD at 5%			841.9	1051.9	155.2	683.0	1143.1	749	295.9
CV (%)			6.0	13.8	3.7	7.8	6.4	5.9	3.4

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Density	Nutrient levels	Genotypes	Plants ('000/ha)			Cobs ('000/ha)		Plant height (cm)		
			Ambikapur	Banswara	Udaipur	Ambikapur	Banswara	Ambikapur	Banswara	Udaipur
55,000	100% RDF	ASKH1	53.7	55.6	10.6	53.7	67.6	185.6	221.7	149.7
		Madhuri (C)	54.1	53.7	35.3	54.4	66.7	182.8	226.7	185.7
		Priya (C)	55.2	55.1	46.0	55.2	66.2	177.0	215.0	165.7
		WinORG (C)	54.4	44.4	9.1	54.4	41.7	172.4	221.7	145.4
	150% RDF	ASKH1	55.2	55.6	10.7	55.2	63.4	228.1	225.3	151.6
		Madhuri (C)	54.4	53.7	35.3	54.8	69.0	206.8	230.0	186.4
		Priya (C)	55.2	55.1	46.4	55.2	62.5	197.9	219.3	166.7
		WinORG (C)	54.4	44.4	9.3	54.8	40.7	197.4	225.3	145.4
66,000	100% RDF	ASKH1	65.6	65.7	12.0	65.6	77.3	222.1	217.7	153.4
		Madhuri (C)	65.6	64.8	40.6	65.6	69.9	204.5	221.0	188.1
		Priya (C)	64.8	62.0	55.8	65.6	76.4	194.3	214.3	168.6
		WinORG (C)	64.4	54.2	10.6	65.2	49.5	190.5	223.3	149.3
	150% RDF	ASKH1	64.4	65.3	12.6	65.2	72.2	209.2	225.7	152.6
		Madhuri (C)	64.4	64.8	40.6	64.4	75.0	203.7	231.7	189.6
		Priya (C)	64.1	61.6	56.0	64.4	81.5	192.8	220.0	168.6
		WinORG (C)	65.2	51.4	10.6	65.2	49.5	183.3	226.3	149.2
Mean of location			59.7	56.7	27.6	59.9	64.3	196.8	222.8	163.5
55,000			54.6	52.2	25.3	54.7	59.7	193.5	223.1	162.1
66,000			64.8	61.2	29.9	65.1	68.9	200.0	222.5	164.9
CD at 5%			0.5	5.8	1.6	1.0	6.9	NS	NS	NS
CV (%)			0.7	8.3	4.7	1.4	8.7	9.6	4.6	6.2
100% RDF			59.7	56.9	27.5	60.0	64.4	191.2	220.2	163.3
150% RDF			59.7	56.5	27.7	59.9	64.2	202.4	225.5	163.8
CD at 5%			NS	NS	NS	NS	NS	NS	4.9	NS
CV (%)			2.0	4.1	3.6	0.8	5.4	11.9	2.7	5.5
ASKH1			59.7	60.5	11.5	59.9	70.1	211.3	222.6	151.8
Madhuri (C)			59.6	59.3	38.0	59.8	70.1	199.4	227.3	187.5
Priya (C)			59.8	58.4	51.0	60.1	71.6	190.5	217.2	167.4
WinORG (C)			59.6	48.6	9.9	59.9	45.4	185.9	224.2	147.4
CD at 5%			NS	4.0	0.3	NS	4.4	13.1	6.6	4.3
CV (%)			2.5	8.3	1.2	2.2	8.1	7.9	3.5	3.1

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Density	Nutrient levels	Genotypes	Days 50% tasseling			Days 50% Silking		
			Ambikapur	Banswara	Udaipur	Ambikapur	Banswara	Udaipur
55,000	100% RDF	ASKH1	49.0	46.3	42.0	51.7	49.3	46.7
		Madhuri (C)	48.0	45.3	40.0	50.7	48.3	44.0
		Priya (C)	49.7	46.3	38.7	52.3	49.3	42.7
		WinORG (C)	49.7	46.7	42.0	52.3	49.7	47.0
	150% RDF	ASKH1	49.0	45.0	41.0	51.7	48.0	46.3
		Madhuri (C)	47.3	45.7	39.0	50.0	48.7	43.0
		Priya (C)	49.7	46.0	39.0	52.3	49.0	43.0
		WinORG (C)	48.7	45.3	41.0	51.7	48.3	46.0
66,000	100% RDF	ASKH1	49.7	47.3	42.0	52.3	50.3	47.3
		Madhuri (C)	49.0	46.3	40.0	51.7	49.3	44.0
		Priya (C)	50.3	46.3	39.0	52.7	49.3	43.0
		WinORG (C)	49.7	45.7	42.0	52.3	49.3	47.0
	150% RDF	ASKH1	49.3	47.0	41.0	51.7	50.0	46.3
		Madhuri (C)	48.3	46.0	39.0	51.0	49.0	43.0
		Priya (C)	49.3	46.0	39.0	52.0	49.0	43.0
		WinORG (C)	49.3	46.0	41.0	52.0	49.0	46.7
Mean of location			49.1	46.1	40.4	51.8	49.1	44.9
55,000			48.9	45.8	40.3	51.6	48.8	44.8
66,000			49.4	46.3	40.4	52.0	49.4	45.0
CD at 5%			0.3	NS	NS	NS	NS	NS
CV (%)			0.5	2.5	12.6	0.8	2.1	11.0
100% RDF			49.4	46.3	40.7	52.0	49.4	45.2
150% RDF			48.9	45.9	40.0	51.5	48.9	44.7
CD at 5%			0.3	NS	0.4	NS	NS	0.4
CV (%)			0.8	2.1	1.1	1.6	2.1	1.0
ASKH1			49.3	46.4	41.5	51.8	49.4	46.7
Madhuri (C)			48.2	45.8	39.5	50.8	48.8	43.5
Priya (C)			49.8	46.2	38.9	52.3	49.2	42.9
WinORG (C)			49.3	45.9	41.5	52.1	49.1	46.7
CD at 5%			0.5	NS	0.5	0.4	NS	0.5
CV (%)			1.3	1.6	1.5	0.9	1.5	1.2

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Density	Nutrient levels	Genotypes	Net returns (Rs. /ha)			B:C ratio			TSS (%)	
			Ambikapur	Banswara	Udaipur	Ambikapur	Banswara	Udaipur	Banswara	Udaipur
55,000	100% RDF	ASKH1	124639	64937	216034	3.41	1.96	7.62	17.2	11.0
		Madhuri (C)	110991	45262	146267	3.04	1.37	5.16	16.3	10.1
		Priya (C)	90454	36382	160594	2.48	1.10	5.66	15.2	10.0
		WinORG (C)	82370	30954	216054	2.26	0.94	7.62	14.3	11.0
	150% RDF	ASKH1	160941	68783	220370	4.31	1.93	7.47	17.4	10.7
		Madhuri (C)	141126	49042	151340	3.78	1.38	5.13	16.3	9.5
		Priya (C)	133867	30736	165863	3.59	0.86	5.62	15.2	9.5
		WinORG (C)	119367	30273	217590	3.20	0.85	7.37	14.3	10.5
66,000	100% RDF	ASKH1	156009	82614	249277	4.27	2.42	8.64	17.1	11.0
		Madhuri (C)	144565	71852	170610	3.96	2.11	5.91	16.2	10.0
		Priya (C)	126333	65796	185110	3.46	1.93	6.41	15.1	10.1
		WinORG (C)	108917	43645	249140	2.98	1.28	8.63	14.1	11.0
	150% RDF	ASKH1	174839	85857	250453	4.69	2.34	8.34	17.2	10.5
		Madhuri (C)	163793	83917	172410	4.39	2.29	5.74	16.3	9.5
		Priya (C)	167450	63275	186813	4.49	1.73	6.22	15.1	9.5
		WinORG (C)	138172	35629	253590	3.70	0.97	8.45	14.3	10.5
Mean of location			133989.5	55559.7	200719.8	3.63	1.59	6.87	15.7	10.3
55,000			120469	44546	186764	3.26	1.30	6.45	15.8	10.3
66,000			147510	66573	214676	3.99	1.88	7.29	15.7	10.3
CD at 5%			7200.8	5538.5	24349.3	0.2	0.2	0.8	NS	NS
CV (%)			4.3	8.0	9.8	4.4	8.8	9.8	1.9	9.7
100% RDF			118035	55180	199136	3.23	1.64	6.96	15.7	10.5
150% RDF			149944	55939	202304	4.02	1.54	6.79	15.8	10.0
CD at 5%			5955.3	NS	NS	0.2	NS	NS	0.1	NS
CV (%)			5.5	23.3	5.4	5.6	23.4	5.3	0.5	7.9
ASKH1			154107	75548	234034	4.17	2.17	8.02	17.2	10.8
Madhuri (C)			140119	62518	160157	3.79	1.79	5.48	16.3	9.8
Priya (C)			129526	49047	174595	3.50	1.40	5.98	15.1	9.8
WinORG (C)			112206	35125	234094	3.04	1.01	8.02	14.3	10.8
CD at 5%			8695.3	10519.5	5839.1	0.2	0.3	0.2	0.1	0.1
CV (%)			7.7	22.5	3.5	7.7	22.0	3.4	1.0	1.2

Table 18: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels North East Plain Zone (NEPZ).

Density	Nutrient levels	Genotypes	Baby corn yield with husk (kg/ha)				Baby corn yield without husk (kg/ha)		
			Bhubaneswar	Ranchi	Varanasi	NEPZ	Bhubaneswar	Ranchi	Varanasi
100,000	100% RDF	AH 7043	2020	13617	3318	6318	880	2406	573
		VL BABY CORN (C)	1820	15542	4647	7336	842	2719	862
	150% RDF	AH 7043	2072	14561	5075	7236	903	2950	982
		VL BABY CORN (C)	1970	15900	5694	7854	868	3219	1174
1,25,000	100% RDF	AH 7043	2850	15643	4124	7539	1105	2988	633
		VL BABY CORN (C)	2556	17532	4185	8091	993	3757	810
	150% RDF	AH 7043	3043	16733	4893	8223	1184	3248	911
		VL BABY CORN (C)	2649	18286	6007	8981	1053	3091	1169
Mean of location			2372.5	15976.7	4742.9	7697.4	978.5	3047.2	889.2
100,000			1970	14905	4683	7186	873	2823	898
1,25,000			2775	17048	4802	8208	1084	3271	881
CD at 5%			91.7	1845.1	NS	968.4	34.5	323.9	NS
CV (%)			2.2	6.6	39.2	16.0	2.0	6.1	27.3
100% RDF			2312	15583	4068	7321	955	2967	719
150% RDF			2434	16370	5417	8074	1002	3127	1059
CD at 5%			70.4	NS	1149.2	609.8	35.6	NS	256.2
CV (%)			2.6	7.1	21.4	10.4	3.2	4.8	25.4
AH 7043			2496	15138	4353	7329	1018	2898	775
VL BABY CORN (C)			2249	16815	5133	8066	939	3196	1004
CD at 5%			59.9	1243.7	NS	651.8	42.1	237.2	216.5
CV (%)			2.7	8.3	20.7	10.6	4.6	8.3	25.9

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Density	Nutrient levels	Genotypes	Green fodder yield (kg/ha)			Plants ('000/ha)			Plant height (cm)	
			Bhuban.	Ranchi	Varanasi	Bhuban.	Ranchi	Varanasi	Ranchi	Varanasi
100,000	100% RDF	AH 7043	14067	31069	21528	90.7	95.8	99.3	146.4	137.5
		VL BABY CORN (C)	13200	36913	26389	91	96.3	101.2	156.9	145.2
	150% RDF	AH 7043	14533	30149	23958	94	96.3	101.9	149.2	143.3
		VL BABY CORN (C)	14067	33764	29167	92	96.8	97.3	160.7	162.3
1,25,000	100% RDF	AH 7043	16833	34014	18403	111.3	119.4	115	144.1	125.3
		VL BABY CORN (C)	15300	38208	23611	117.3	121.3	118.3	159.2	146.1
	150% RDF	AH 7043	18167	41396	32639	114.3	119.9	113.7	155.7	134.3
		VL BABY CORN (C)	16733	40635	30208	112.7	121.8	119.6	167.6	142.6
Mean of location			15362.5	35768.6	25737.8	102.9	108.4	108.3	155	142.1
100,000			13967	32974	25260	91.9	96.3	99.9	153.3	147.1
1,25,000			16758	38563	26215	113.9	120.6	116.7	156.6	137.1
CD at 5%			1061.8	2205.2	NS	3.3	7.1	NS	NS	NS
CV (%)			3.9	3.5	57.6	1.8	3.7	12.3	2.2	17.7
100% RDF			14850	35051	22483	102.6	108.2	108.5	151.7	138.5
150% RDF			15875	36486	28993	103.3	108.7	108.1	158.3	145.6
CD at 5%			210.8	1369	NS	NS	NS	NS	3.9	5.2
CV (%)			1.2	3.4	29.7	2	4	2.4	2.2	3.2
AH 7043			15900	34157	24132	102.6	107.9	107.5	148.9	135.1
VL BABY CORN (C)			14825	37380	27344	103.3	109	109.1	161.1	149
CD at 5%			606.8	2891.8	NS	NS	NS	NS	10.8	8.6
CV (%)			4.2	8.6	16.2	3.7	3.9	4.9	7.4	6.5

 # Bhuban. = Bhubaneswar

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Density	Nutrient levels	Genotypes	Days to 50% pollen shed	Days to 50% silking	Days to first picking		Net return (Rs./ha)		B:C ratio	
			Bhubanes.	Bhubanes.	Ranchi	Varanasi	Bhubanes.	Ranchi	Bhubanes.	Ranchi
100,000	100% RDF	AH 7043	47.0	50.0	59.0	56.0	133982	202622	3.19	2.67
		VL BABY CORN (C)	49.3	52.0	57.0	52.7	126432	237300	3.01	2.93
	150% RDF	AH 7043	47.0	50.3	57.7	51.7	138532	218026	3.30	2.75
		VL BABY CORN (C)	53.0	54.0	57.0	50.0	131562	240518	3.13	2.86
1,25,000	100% RDF	AH 7043	48.0	51.0	59.0	54.7	179091	239988	4.26	3.01
		VL BABY CORN (C)	49.0	52.3	57.0	53.0	156634	273605	3.73	3.23
	150% RDF	AH 7043	49.0	51.7	59.0	54.0	194773	259961	4.64	3.13
		VL BABY CORN (C)	49.0	52.0	57.0	53.3	168540	285873	4.01	3.25
Mean of location			48.9	51.7	57.8	53.2	153693.3	244736.6	3.7	2.98
100,000			49.1	51.6	57.7	52.6	132627	224616	3.16	2.80
1,25,000			48.8	51.8	58.0	53.8	174759	264857	4.16	3.16
CD at 5%			NS	NS	NS	NS	6903.7	36497.1	0.2	NS
CV (%)			6.9	4.6	0.7	6.7	2.6	8.5	2.6	8.6
100% RDF			48.3	51.3	58.0	54.1	149035	238379	3.55	2.96
150% RDF			49.5	52.0	57.7	52.3	158352	251095	3.77	3.00
CD at 5%			NS	0.3	NS	NS	7110.7	NS	0.2	NS
CV (%)			2.3	0.6	0.7	4.0	4.1	9.2	4.1	9.2
AH 7043			47.8	50.8	58.7	54.1	161595	230149	3.85	2.89
VL BABY CORN (C)			50.1	52.6	57.0	52.3	145792	259324	3.47	3.07
CD at 5%			1.0	0.7	0.4	NS	8413.5	25099.1	0.2	NS
CV (%)			2.1	1.4	0.7	4.1	5.8	10.9	5.8	10.8

 # Bhubanes. = Bhubaneswar

Table 19: Performance of pre release baby corn genotypes in *Kharif* under varying planting density and nutrients levels Peninsular Zone (PZ).

Density	Nutrient levels	Genotypes	Cob yield with husk (kg/ha)			Cob yield without husk (kg/ha)		Green fodder yield (kg/ha)	
			Dharwad	Hyderabad	PZ	Dharwad	Hyderabad	Dharwad	Hyderabad
1,00,000	100% RDF	AH 7043	5254	5934	5594	1330	1788	10199	18451
		VL BABY CORN (C)	5360	7314	6337	1423	2172	10820	21741
	150% RDF	AH 7043	5727	5644	5686	1483	2124	10833	18286
		VL BABY CORN (C)	5600	8714	7157	1532	2847	11283	21533
1,25,000	100% RDF	AH 7043	6131	4790	5461	1451	1729	11583	19992
		VL BABY CORN (C)	5663	7846	6755	1393	2171	11915	20700
	150% RDF	AH 7043	5858	5501	5680	1422	1795	11208	20200
		VL BABY CORN (C)	6117	8585	7351	1573	3025	12313	22908
Mean of location			5713.8	6791	6252.4	1450.8	2206.3	11268.9	20476.3
1,00,000			5485	6901	6193	1442	2233	10784	20003
1,25,000			5942	6681	6312	1460	2180	11754	20950
CD at 5%			419.9	NS	419.9	NS	NS	875.6	428
CV (%)			6.5	10.4	8.5	12.8	17.0	6.9	1.9
100% RDF			5602	6471	6037	1399	1965	11129	20221
150% RDF			5826	7111	6469	1502	2448	11409	20732
CD at 5%			NS	NS		94.4	241	NS	NS
CV (%)			4.6	17.5	11.1	7.5	12.6	10.4	11.6
AH 7043			5743	5467	5605	1421	1859	10955	19232
VL BABY CORN (C)			5685	8115	6900	1480	2554	11583	21720
CD at 5%			NS	926.5	926.5	53.5	427.1	NS	2046.9
CV (%)			5.4	17.7	11.6	4.8	25.1	7.4	13.0

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Density	Nutrient levels	Genotypes	Plant height (cm)	Days to first picking	Cob length (cm)	Cob diameter (cm)
			Hyderabad	Dharwad	Hyderabad	Hyderabad
1,00,000	100% RDF	AH 7043	187.8	59.0	8.6	1.0
		VL BABY CORN (C)	174.9	65.0	7.8	0.9
	150% RDF	AH 7043	188.8	60.8	9.1	1.1
		VL BABY CORN (C)	187.3	64.0	8.1	0.9
1,25,000	100% RDF	AH 7043	200.0	59.5	8.4	1.0
		VL BABY CORN (C)	184.5	64.0	8.0	0.8
	150% RDF	AH 7043	191.3	60.3	8.7	1.0
		VL BABY CORN (C)	181.7	64.8	7.8	0.9
Mean of location			187.0	62.2	8.3	1.0
1,00,000			184.7	62.2	8.4	1.0
1,25,000			189.4	62.1	8.2	0.9
CD at 5%			NS	NS	NS	0.1
CV (%)			3.4	2.2	3.3	5.6
100% RDF			186.8	61.9	8.2	0.9
150% RDF			187.3	62.4	8.4	1.0
CD at 5%			NS	NS	NS	NS
CV (%)			5.1	2.6	4.3	11.9
AH 7043			191.9	59.9	8.7	1.0
VL BABY CORN (C)			182.1	64.4	7.9	0.9
CD at 5%			5.6	1.1	0.1	0.0
CV (%)			3.9	2.3	2.3	3.1

Cont…

Density	Nutrient levels	Genotypes	Net return (Rs/ha)		B-C ratio		FAW damage (%) at 30 DAS	Shoot fly/plot at 30 DAS
			Dharwad	Hyderabad	Dharwad	Hyderabad	Dharwad	Dharwad
1,00,000	100% RDF	AH 7043	104425	79726	3.73	1.68	1.43	1.36
		VL BABY CORN (C)	104921	124412	3.55	2.07	1.64	1.41
	150% RDF	AH 7043	109101	73327	3.37	1.64	1.84	1.21
		VL BABY CORN (C)	106124	168674	3.29	2.48	1.82	1.46
1,25,000	100% RDF	AH 7043	122688	45206	3.82	1.38	1.71	0.93
		VL BABY CORN (C)	112688	137614	3.68	2.16	1.92	1.23
	150% RDF	AH 7043	112849	69242	3.45	1.60	1.36	1.09
		VL BABY CORN (C)	120134	164462	3.59	2.42	1.90	0.97
Mean of location			111616.1	107833.0	3.56	1.93	1.70	1.21
1,00,000			106143	111535	3.48	1.97	1.68	1.36
1,25,000			117090	104131	3.63	1.89	1.72	1.06
CD at 5%			10128.9	NS	NS	NS	NS	NS
CV (%)			8.1	19.5	5.9	9.2	56.5	39.2
100% RDF			111180	96739	3.70	1.82	1.67	1.23
150% RDF			112052	118926	3.42	2.03	1.73	1.18
CD at 5%			NS	NS	0.1	NS	NS	NS
CV (%)			6.1	34.7	4.5	16.7	49.9	39.2
AH 7043			112266	66875	3.59	1.58	1.59	1.15
VL BABY CORN (C)			110966	148791	3.53	2.28	1.82	1.27
CD at 5%			NS	27795.4	NS	0.2	NS	NS
CV (%)			6.8	33.5	5.0	16.2	79.9	48.0

Table 20: Performance of pre release babycorn genotypes in *Kharif* under varying planting density and nutrients levels Central West Zone (CWZ).

Density	Nutrient	Genotypes	Baby corn yield with husk (kg/ha)				Baby corn yield with without husk (kg/ha)			
			Chhindwara	Godhra	Udaipur	CWZ	Chhindwara	Godhra	Udaipur	CWZ
100,000	100% RDF	AH 7043	10959	5700	2169	6276	1604	1833	1720	1719
		VL BABY CORN (C)	12065	6533	3009	7202	1766	1500	1859	1708
	150% RDF	AH 7043	12181	5700	2202	6694	1782	1900	1745	1809
		VL BABY CORN (C)	13287	5867	3025	7393	1944	1333	1941	1739
125,000	100% RDF	AH 7043	11914	4567	2676	6386	1743	1567	2152	1821
		VL BABY CORN (C)	12601	4000	3592	6731	1843	1133	2318	1765
	150% RDF	AH 7043	13287	5233	2705	7075	1944	1800	2147	1964
		VL BABY CORN (C)	14205	5133	3616	7651	2078	1300	2332	1903
Mean of location			12562.4	5341.7	2874.3	6926.1	1838.2	1545.8	2026.8	1803.6
100,000			12123	5950	2601	6891	1774	1642	1816	1744
125,000			13002	4733	3147	6961	1902	1450	2237	1863
CD at 5%			NS	NS	408.4	408.4	NS	NS	377	377.0
CV (%)			9.1	15.8	8.1	11.0	6.6	13.4	10.6	10.2
100% RDF			11885	5200	2862	6649	1739	1508	2012	1753
150% RDF			13240	5483	2887	7203	1937	1583	2041	1854
CD at 5%			623.1	NS	NS	623.1	107	NS	NS	107.0
CV (%)			4.4	23	6.7	11.4	5.1	33.5	5.7	14.8
AH 7043			12085	5300	2438	6608	1768	1775	1941	1828
VL BABY CORN (C)			13040	5383	3311	7245	1908	1317	2112	1779
CD at 5%			623.1	NS	140.2	381.7	19.6	288.3	108	138.6
CV (%)			1.8	23.4	5.2	10.1	1.1	19.8	5.7	8.9

Cont…

Density	Nutrient	Genotypes	Green fodder yield (kg/ha)				Plants ('000/ha)		
			Chhindwara	Godhra	Udaipur	CWZ	Chhindwara	Godhra	Udaipur
100,000	100% RDF	AH 7043	12549	11800	25964	16771	76.0	92.7	96.7
		VL BABY CORN (C)	13839	10933	28076	17616	78.8	91.3	95.7
	150% RDF	AH 7043	13942	13233	26422	17866	74.5	90.0	96.7
		VL BABY CORN (C)	15247	10667	29292	18402	83.7	87.7	94.6
125,000	100% RDF	AH 7043	13642	11700	32448	19263	94.2	101.3	121.7
		VL BABY CORN (C)	14447	9733	34996	19725	88.5	113.7	121.7
	150% RDF	AH 7043	15212	16267	32407	21295	99.8	101.7	120.2
		VL BABY CORN (C)	16285	11833	35218	21112	88.7	116.7	122.8
Mean of location			14395.4	12020.8	30602.9	19006.4	85.5	99.4	108.8
100,000			13894	11658	27438	17663	78.2	90.4	95.9
125,000			14897	12383	33767	20349	92.8	108.3	121.6
CD at 5%			NS	NS	5792.1	5792.1	5.5	10.7	2.8
CV (%)			6.4	21.5	10.8	12.9	3.6	6.1	1.5
100% RDF			13619	11042	30371	18344	84.4	99.8	108.9
150% RDF			15171	13000	30835	19669	86.7	99	108.6
CD at 5%			627.4	NS	NS	627.4	NS	NS	NS
CV (%)			3.8	16.4	6.0	8.7	4.5	9.9	1.1
AH 7043			13836	13250	29311	18799	86.1	96.4	108.9
VL BABY CORN (C)			14955	10792	31895	19214	84.9	102.3	108.7
CD at 5%			575.9	2346.3	1563.8	1495.3	1.0	3.2	NS
CV (%)			4.2	20.7	5.4	10.1	1.2	3.5	1.0

Cont…

Density	Nutrient	Genotypes	Plant height (cm)			Days to 50% tasseling	Days to 50% silking	Days to first picking
			Chhindwara	Godhra	Udaipur	Udaipur	Udaipur	Chhindwara
100,000	100% RDF	AH 7043	145.0	81.7	132.6	46.0	51.3	52.6
		VL BABY CORN (C)	145.0	86.7	150.3	46.0	51.3	51.9
	150% RDF	AH 7043	143.3	116.7	132.3	46.3	51.7	52.3
		VL BABY CORN (C)	140.7	116.7	150.4	45.7	51.0	51.3
125,000	100% RDF	AH 7043	132.9	83.3	134.3	42.0	47.7	53.2
		VL BABY CORN (C)	139.1	80.0	152.6	42.0	47.3	52.6
	150% RDF	AH 7043	141.7	113.3	134.4	41.7	47.0	52.8
		VL BABY CORN (C)	146.0	113.3	152.6	41.7	47.0	52.3
Mean of location			141.7	99.0	142.4	43.9	49.3	52.4
100,000			143.5	100.4	141.4	46.0	51.3	52.0
125,000			139.9	97.5	143.5	41.8	47.3	52.7
CD at 5%			NS	NS	NS	3.9	3.6	NS
CV (%)			5.1	7.2	5.9	5.1	4.2	8.6
100% RDF			140.5	82.9	142.5	44.0	49.4	52.6
150% RDF			143.0	115.0	142.4	43.8	49.2	52.2
CD at 5%			NS	6.1	NS	NS	NS	NS
CV (%)			3.3	5.5	2.9	4.1	2.6	0.8
AH 7043			140.8	98.8	133.4	44.0	49.4	52.7
VL BABY CORN (C)			142.7	99.2	151.5	43.8	49.2	52.0
CD at 5%			NS	NS	3.0	NS	NS	NS
CV (%)			4.0	2.7	2.2	1.5	1.4	3.0

Cont…

Density	Nutrient	Genotypes	Net return (Rs/ha)			BC ratio		
			Chhindwara	Godhra	Udaipur	Chhindwara	Godhra	Udaipur
100,000	100% RDF	AH 7043	66937	97446	114909	2.94	4.67	4.99
		VL BABY CORN (C)	75929	76196	126036	3.33	3.87	5.47
	150% RDF	AH 7043	74425	98546	116269	2.95	4.50	4.88
		VL BABY CORN (C)	83432	61179	131816	3.30	3.17	5.53
125,000	100% RDF	AH 7043	74671	79263	149204	3.28	3.99	6.40
		VL BABY CORN (C)	80256	49796	162600	3.52	2.87	6.98
	150% RDF	AH 7043	83398	93779	148079	3.30	4.33	6.15
		VL BABY CORN (C)	90847	62346	162934	3.60	3.21	6.77
Mean of location			78736.7	77318.9	138980.7	3.28	3.83	5.90
100,000			75181	83342	122257	3.13	4.05	5.22
125,000			82293	71296	155704	3.43	3.60	6.58
CD at 5%			NS		30427.1	NS		1.3
CV (%)			8.4		12.5	9.3		12.6
100% RDF			74448	75675	138187	3.27	3.85	5.96
150% RDF			83025	78963	139774	3.29	3.80	5.83
CD at 5%			854.8		NS	NS		NS
CV (%)			1.0		6.8	3.0		6.9
AH 7043			74858	92259	132115	3.12	4.37	5.60
VL BABY CORN (C)			82616	62379	145846	3.44	3.28	6.19
CD at 5%			1898.8		8508.9	0.0		0.4
CV (%)			2.6		6.5	1.3		6.4

RDF and 150% RDF used in MAT-I (N:P_2O_5:K_2O kg/ha)

Zone-I (Northern Hill Zone)

Maturity	Almora	Bajaura	Gossaingaon	Imphal
Sweet corn	150:60:60 225:90:90			120:60:60 180:90:90
Baby corn				
Pop corn		150:50:60 200:60:80	60:40:40 90:60:60	
QPM		150:50:60 200:60:80	60:40:40 90:60:60	

Zone- (North West Plain Zone)

Maturity	Karnal	Ludhiana	Pantnagar
Late	150:60:60 150% RDF	125:60:30 187.5:90:45	120:60:40 150:90:60
Medium	150:60:60 150% RDF	125:60:30 187.5:90:45	120:60:40 150:90:60
Sweet corn		125:60:30 187.5:90:45	120:60:40 180:90:60
Pop corn		87.5:30:20 131.25:45:30	120:60:40 180:90:60
QPM	150:60:60 150% RDF	125:60:30 187.5:90:45	120:60:40 150:90:60

Zone- (North East Plain Zone)

Maturity	Bahraich	Bhubaneswar	Dholi	Ranchi	Varanasi
Medium			120:60:40 180:90:60	150:60:40 225:90:60	120:60:40 180:90:60
Sweet corn			120:60:40 180:90:60	150:60:40 225:90:60	
Baby corn		120:60:60 180:90:90		150:60:40 225:90:60	120:60:40 180:90:60
Pop corn	150:80:60 200:65:80		120:60:40 180:90:60		120:60:40 180:90:60

Zone- (Peninsular Zone)

Maturity	Coimbatore	Dharwad	Hyderabad	Karimnagar	Kolhapur	Peddapuram	Vagarai
Late	200:65:80 300:97.5:120	150:65:65 225:92.5:92.5	200:60:50 300:90:75				
Medium	200:65:80 300:97.5:120	150:65:65 225:92.5:92.5		200:60:50 300:90:75		200:60:50 300:90:75	200:65:80 300:97.5:120
Sweet corn	150:50:60 225:75:90			180:60:50 270:90:75	120:60:40 180:90:60		
Baby corn		150:65:65 225:92.5:92.5	120:50:40 180:75:60				
Pop corn				80:50:60 120:90:75		80:60:50 120:90:75	

Zone-V (Central West Zone)

Maturity	Ambikapur	Banswara	Chhindwara	Godhra	Udaipur
Medium	150:80:60 225:120:90	120:60:40 150% RDF	120:60:40 180:90:60		
Sweet corn	120:60:40 180:90:60	120:60:40 150% RDF	120:60:40 180:90:60		90:60:30 150% RDF
Baby corn			120:60:40 180:90:60	80:40:00 120:60:00	90:60:30 150% RDF

Table 21: Nutrient management in maize-wheat-cowpea cropping system under different tillage practices in Pantnagar.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
Zero Tillage	Green seeker	5049	7799	60.3	60.3	179.6	54.3	57.7	30.9
	SSNM	5136	7656	61.4	61.4	175.7	54.3	57.3	30.5
	100% RDF	5361	7815	63.0	63.0	175.3	54.3	57.7	30.2
Conventional Tillage	Green seeker	5029	7825	61.9	61.9	158.8	54.3	57.3	30.6
	SSNM	5196	7651	61.9	61.9	155.1	54.3	57.7	30.3
	100% RDF	5521	7974	63.5	63.5	154.7	55.0	58.3	30.9
Permanent Bed	Green seeker	4327	5878	60.8	60.8	149.1	55.0	58.0	28.2
	SSNM	4471	5889	61.4	61.4	152.2	54.7	57.7	28.4
	100% RDF	4649	6201	61.4	61.4	151.6	54.7	58.0	28.0
Location mean		4971.1	7187.5	61.7	61.7	161.3	54.6	57.7	29.8
C.D.(5%) AiBj-AiBk		1222.5	550.7	6.9	6.9	24.5	1.1	0.9	2.5
C.D.(5%) AiBk-AjBk		1079.7	961.4	6.1	6.1	23.2	1.0	1.0	2.6
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS
Zero Tillage		5182	7757	61.6	61.6	176.9	54.3	57.6	30.5
Conventional Tillage		5249	7817	62.4	62.4	156.2	54.6	57.8	30.6
Permanent Beds		4482	5989	61.2	61.2	151.0	54.8	57.9	28.2
C.D.(5%) Ai-Aj		420.7	855.9	2.5	2.5	12.0	0.4	0.6	1.6
C.V.(%) Error A		6.5	9.1	3.1	3.1	5.7	0.6	0.8	4.0
F(5%)		S	S	NS	NS	S	NS	NS	S
RDN 60% + GS		4802	7168	61.0	61.0	162.5	54.6	57.7	29.9
SSNM (120:10:46)		4935	7065	61.6	61.6	161.0	54.4	57.6	29.7
100% RDF (120:60:40)		5177	7330	62.6	62.6	160.6	54.7	58.0	29.7
C.D.(5%)Bi-Bj		705.8	317.9	4.0	4.0	14.2	0.6	0.5	1.5
C.V.(%)ErrorB		13.8	4.3	6.2	6.2	8.5	1.1	0.9	4.8
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS

Cont….

Tillage practices	Nutrient management	Net returns (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Zero Tillage	Green seeker	62973	2.75	14.2	13.8	13.2	25.7
	SSNM	66773	3.25	14.6	13.8	13.3	25.5
	100% RDF	68754	3.07	14.7	13.9	13.6	25.2
Conventional Tillage	Green seeker	53093	1.64	14.5	13.8	13.9	25.7
	SSNM	58806	1.99	14.6	13.5	13.3	25.8
	100% RDF	62481	1.99	14.8	13.9	13.6	25.9
Permanent Bed	Green seeker	46889	1.76	12.8	10.7	12.0	19.5
	SSNM	53082	2.32	12.9	10.8	12.1	19.3
	100% RDF	54257	2.19	13.0	10.8	12.2	19.9
Location mean		58567.6	2.33	14.0	12.8	13.0	23.6
C.D.(5%) AiBj-AiBk		20781.8	0.77	0.9	1.1	1.0	2.6
C.D.(5%) AiBk-AjBk		18355.6	0.69	1.3	2.1	1.0	4.3
F(5%)		NS	NS	NS	NS	NS	NS
Zero Tillage		66167	3.03	14.5	13.8	13.4	25.4
Conventional Tillage		58127	1.87	14.6	13.7	13.6	25.8
Permanent Beds		51409	2.09	12.9	10.8	12.1	19.6
C.D.(5%) Ai-Aj		7151.1	0.29	1.1	1.9	0.5	3.8
C.V.(%) Error A		9.3	9.5	6.0	11.4	3.2	12.3
F(5%)		S	S	S	S	S	S
RDN 60% + GS		54318	2.05	13.8	12.8	13.0	23.6
SSNM (120:10:46)		59554	2.52	14.0	12.7	12.9	23.5
100% RDF (120:60:40)		61831	2.42	14.2	12.9	13.1	23.7
C.D.(5%)Bi-Bj		11998.4	0.44	0.5	0.6	0.6	1.5
C.V.(%)ErrorB		19.9	18.5	3.7	4.7	4.5	6.3
F(5%)		NS	NS	NS	NS	NS	NS

Cont….

Tillage practices	Nutrient management	N uptake (kg/ha)			P uptake (kg/ha)			K uptake (kg/ha)		
		Grain	Stover	Total	Grain	Stover	Total	Grain	Stover	Total
Zero Tillage	Green seeker	65.9	34.1	100.0	14.4	10.2	24.5	16.0	67.8	83.8
	SSNM	68.8	34.2	103.0	15.0	10.1	25.1	16.1	66.3	82.4
	100% RDF	69.2	33.0	102.2	16.2	10.3	26.5	17.1	68.3	85.4
Conventional Tillage	Green seeker	66.1	34.7	100.7	14.8	10.2	25.0	16.1	67.3	83.4
	SSNM	67.4	32.7	100.1	15.0	10.1	25.1	16.4	65.2	81.6
	100% RDF	72.3	33.9	106.2	16.5	10.6	27.1	17.6	69.7	87.4
Permanent Bed	Green seeker	55.0	22.2	77.2	12.7	7.3	20.1	13.5	51.7	65.2
	SSNM	58.2	24.1	82.3	12.4	7.4	19.8	14.1	51.1	65.2
	100% RDF	59.2	24.5	83.7	13.3	7.8	21.1	14.6	52.2	66.9
Location mean		64.7	30.4	95.0	14.5	9.3	23.8	15.7	62.2	77.9
C.D.(5%) AiBj-AiBk		18.7	4.6	18.5	3.2	0.9	3.1	3.9	7.3	6.4
C.D.(5%) AiBk-AjBk		17.0	4.7	16.6	3.2	1.3	3.3	3.4	9.5	9.8
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS	NS
Zero Tillage		68.0	33.8	101.7	15.2	10.2	25.4	16.4	67.5	83.9
Conventional Tillage		68.6	33.7	102.3	15.4	10.3	25.7	16.7	67.4	84.1
Permanent Beds		57.5	23.6	81.1	12.8	7.5	20.3	14.1	51.7	65.7
C.D.(5%) Ai-Aj		7.7	2.9	7.1	1.8	1.0	2.1	1.3	7.5	8.3
C.V.(%) Error A		9.0	7.3	5.7	9.6	8.2	6.8	6.5	9.2	8.2
F(5%)		S	S	S	S	S	S	S	S	S
RDN 60% + GS		62.3	30.3	92.6	14.0	9.2	23.2	15.2	62.3	77.4
SSNM (120:10:46)		64.8	30.3	95.1	14.1	9.2	23.3	15.6	60.9	76.4
100% RDF (120:60:40)		66.9	30.4	97.4	15.3	9.6	24.9	16.5	63.4	79.9
C.D.(5%)Bi-Bj		10.8	2.6	10.7	1.8	0.5	1.8	2.2	4.2	3.7
C.V.(%)ErrorB		16.3	8.5	10.9	12.3	5.6	7.3	13.9	6.6	4.6
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 22: Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Dholi.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Days of 50% tasseling	Days of 50% silking	Days of maturity
Zero Tillage	RDF	5874	10941	5615	93.3	116.4	59.3	61.3	90.7
	SSNM	6095	11565	5836	93.4	116.8	59.7	61.7	89.7
	RDN	6328	12246	5964	94.3	120.0	60.0	62.0	90.0
Conventional Tillage	RDF	5292	10195	5260	93.1	116.1	59.7	61.7	90.3
	SSNM	5728	10653	5548	93.5	117.3	60.0	62.0	89.0
	RDN	5935	10889	5876	93.9	120.0	60.7	62.7	90.0
Permanent Bed	RDF	5978	11518	5996	93.5	118.1	61.7	63.7	90.3
	SSNM	6351	12060	6029	93.8	118.6	59.7	61.7	89.0
	RDN	6662	12499	6248	94.9	121.2	61.7	63.7	91.3
Location mean		6027.1	11396.1	5819.0	93.8	118.3	60.3	62.3	90.0
C.D.(5%) AiBj-AiBk		802.1	931.2	530.4	5.4	5.0	3.9	3.9	3.1
C.D.(5%) AiBk-AjBk		826.6	998.5	540.8	5.0	4.2	3.6	3.6	3.0
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS
Zero Tillage		6099	11584	5805	93.7	117.7	59.7	61.7	90.1
Conventional Tillage		5652	10579	5561	93.5	117.8	60.1	62.1	89.8
Permanent Bed		6330	12026	6091	94.1	119.3	61.0	63.0	90.2
C.D.(5%) Ai-Aj		513.1	657.8	329.6	2.5	1.2	1.7	1.7	1.7
C.V.(%) Error A		6.5	4.4	4.3	2.0	0.8	2.1	2.0	1.4
F(5%)		S	S	S	NS	S	NS	NS	NS
RDF (120:60:40)		5715	10885	5623	93.3	116.8	60.2	62.2	90.4
SSNM (90:20:22)		6058	11426	5804	93.5	117.6	59.8	61.8	89.2
RDN 60% (72:60:40) + GS		6308	11878	6029	94.4	120.4	60.8	62.8	90.4
C.D.(5%)Bi-Bj		463.1	537.6	306.2	3.1	2.9	2.3	2.3	1.8
C.V.(%)ErrorB		7.5	4.6	5.1	3.2	2.4	3.6	3.5	1.9
F(5%)		S	S	S	NS	S	NS	NS	NS

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A-100

Tillage practices	Nutrient management	Plant height (cm)	Ear height (cm)	Cob length (cm)	Cob girth (cm)	Net return (Rs./ha)	BC ratio	Moisture (%)
Zero Tillage	RDF	155.3	72.6	16.1	14.6	36972	0.90	21.0
	SSNM	162.3	73.9	17.3	14.6	39900	0.98	29.0
	RDN	174.3	79.7	18.1	14.9	42987	1.05	26.0
Conventional Tillage	RDF	147.7	72.7	15.3	14.4	29260	0.72	25.0
	SSNM	155.7	73.1	14.3	13.8	35037	0.86	22.4
	RDN	162.0	78.1	18.3	15.0	37776	0.92	23.0
Permanent Bed	RDF	168.0	73.4	15.6	14.8	38341	0.94	25.6
	SSNM	167.3	75.1	17.7	15.9	43292	1.06	28.0
	RDN	185.3	81.5	19.5	16.7	47404	1.16	24.6
Location mean		164.2	75.6	16.9	15.0	38996.7	0.95	25.0
C.D.(5%) AiBj-AiBk		12.5	4.7	2.0	1.3	10627.8	0.26	
C.D.(5%) AiBk-AjBk		10.7	4.5	1.8	1.3	10952.8	0.27	
F(5%)		NS	NS	NS	NS	NS	NS	
Zero Tillage		164.0	75.4	17.2	14.7	39953	0.98	25.3
Conventional Tillage		155.1	74.7	16.0	14.4	34025	0.83	23.5
Permanent Bed		173.6	76.7	17.6	15.8	43012	1.05	26.1
C.D.(5%) Ai-Aj		3.2	2.4	0.9	0.7	6798.1	0.17	
C.V.(%) Error A		1.5	2.4	3.9	3.5	13.3	13.3	
F(5%)		S	NS	S	S	S	S	
RDF (120:60:40)		157.0	72.9	15.7	14.6	34858	0.85	23.9
SSNM (90:20:22)		161.8	74.1	16.5	14.8	39410	0.96	26.5
RDN 60% (72:60:40)+ GS		173.9	79.8	18.6	15.5	42722	1.05	24.5
C.D.(5%)Bi-Bj		7.2	2.7	1.1	0.8	6136.0	0.15	
C.V.(%)ErrorB		4.3	3.5	6.6	4.9	15.3	15.3	
F(5%)		S	S	S	S	S	S	

Table 23: Nutrient management in maize-wheat-green gram cropping system under different tillage practices in Udaipur.

Tillage practices	Nutrient management	Maize grain yield (kg/ha)	Maize stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Net returns (Rs/ha)	B:C ratio
Zero Tillage	RDF	5330	7990	65.2	71.9	220.4	45.0	50.3	53438	2.37
	SSNM	5844	9053	64.7	73.3	222.4	44.7	50.0	63153	3.07
	FFP	3822	5630	64.4	71.9	215.5	45.3	50.7	31765	1.41
Conventional Tillage	RDF	4795	6936	64.6	69.3	216.4	45.0	50.3	45436	2.02
	SSNM	5043	7572	64.0	71.7	218.9	44.3	49.7	51324	2.50
	FFP	3223	4644	64.6	70.8	212.8	45.3	50.7	23095	1.02
Bed planting	RDF	5140	7562	64.4	69.9	218.6	45.0	50.3	50512	2.24
	SSNM	5519	8227	64.1	71.6	220.4	45.3	50.7	58013	2.82
	FFP	3527	5156	64.6	69.4	214.4	46.0	51.0	27509	1.22
Location mean		4693.6	6974.4	64.5	71.1	217.8	45.1	50.4	44916.1	2.08
C.D.(5%) AiBj-AiBk		546.6	806.8	2.6	3.6	17.9	3.6	3.4	7769.5	0.36
C.D.(5%) AiBk-AjBk		522.6	764.1	2.3	3.0	16.2	3.1	3.1	7416.9	0.34
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS	NS
Zero Tillage		4999	7558	64.8	72.4	219.4	45.0	50.3	49452	2.29
Conventional Tillage		4354	6384	64.4	70.6	216.1	44.9	50.2	39952	1.85
Bed planting		4728	6981	64.4	70.3	217.8	45.4	50.7	45345	2.10
C.D.(5%) Ai-Aj		277.2	394.7	0.9	0.8	7.1	1.0	1.4	3916.8	0.18
C.V.(%) Error A		4.5	4.3	1.1	0.9	2.5	1.7	2.1	6.7	6.5
F(5%)		S	S	NS	S	NS	NS	NS	S	S
RDF (90:40:30)		5088	7496	64.7	70.4	218.5	45.0	50.3	49795	2.21
SSNM (134:52:0)		5469	8284	64.3	72.2	220.5	44.8	50.1	57496	2.80
FFP* (80:30:0)		3524	5143	64.5	70.7	214.2	45.6	50.8	27456	1.22
C.D.(5%)Bi-Bj		315.6	465.8	1.5	2.1	10.3	2.1	2.0	4485.7	0.21
C.V.(%)ErrorB		6.5	6.5	2.3	2.8	4.6	4.5	3.8	9.7	9.7
F(5%)		S	S	NS	NS	NS	NS	NS	S	S

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A-102

Tillage practices	Nutrient management	Maize cob length (cm)	Maize shelling (%)	Wheat grain yield (kg/ha)	Wheat stover yield (kg/ha)	Green gram seed yield (kg/ha)	System net returns (Rs./ha)	B:C ratio
Zero Tillage	RDF	17.5	78.2	5018	7491	451	131656	2.05
	SSNM	17.6	79.3	5527	8276	500	163262	2.80
	FFP*	15.5	75.5	4523	6806	400	100021	1.57
Conventional Tillage	RDF	16.2	76.3	4520	6817	404	111355	1.74
	SSNM	16.3	77.2	5024	7558	431	135675	2.33
	FFP*	14.0	72.2	4017	6060	350	79174	1.24
Bed planting	RDF	16.5	77.2	4428	6649	373	111046	1.73
	SSNM	16.5	78.3	4823	7248	350	131569	2.26
	FFP*	14.5	74.2	3819	5742	320	77271	1.21
Location mean		16.1	76.5	4633.1	6960.7	397.7	115669.7	1.88
C.D.(5%) AiBj-AiBk		1.0	4.6	473.5	726.5	45.9	11707.4	0.19
C.D.(5%) AiBk-AjBk		1.0	4.6	440.0	667.6	43.0	10052.1	0.16
F(5%)		NS	NS	NS	NS	NS	NS	NS
Zero Tillage		16.9	77.7	5023	7524	450	131646	2.14
Conventional Tillage		15.5	75.2	4520	6811	395	108734	1.77
Bed planting		15.9	76.5	4357	6546	348	106629	1.73
C.D.(5%) Ai-Aj		0.6	2.7	214.3	312.6	21.5	3179.1	0.05
C.V.(%) Error A		2.8	2.7	3.5	3.4	4.1	2.1	2.0
F(5%)		S	NS	S	S	S	S	S
RDF (90:40:30)		16.7	77.2	4655	6986	409	118019	1.84
SSNM (134:52:0)		16.8	78.2	5124	7694	427	143502	2.46
FFP* (80:30:0)		14.7	74.0	4120	6203	357	85488	1.34
C.D.(5%)Bi-Bj		0.6	2.7	273.4	419.4	26.5	6759.3	0.11
C.V.(%)ErrorB		3.5	3.4	5.7	5.9	6.5	5.7	5.5
F(5%)		S	S	S	S	S	S	S

FFP*: The new suggested treatment 60% RDF + Green seeker guided N application will be implicated from Kharif 2019. By *Kharif* 2018 we completed sequence with old treatment in wheat- green gram-maize sequence.

Table 24: Nutrient management in rice - maize cropping system under different tillage practices in Dholi.

Tillage practices	Nutrient management	Grain yield of rice (kg/ha)	Stalk yield (kg/ha)	Days of flowering	Days of maturity	Plant height (cm)	Ear height (cm)	Moisture (%)
Zero Tillage	RDF	5293	8470	88.0	124.3	95.3	37.0	21.0
	SSNM	5571	8055	88.7	122.3	94.2	32.7	29.0
	RDN	5733	8647	87.3	126.0	94.6	30.1	26.0
Conventional Tillage	RDF	4620	8410	89.0	124.3	92.0	31.8	25.0
	SSNM	4935	7403	87.3	123.3	92.5	33.0	22.4
	RDN	5215	8884	87.0	124.0	94.4	33.1	23.0
Permanent Bed	RDF	5115	8706	88.0	126.3	95.7	31.6	25.6
	SSNM	5526	8055	89.7	124.3	94.0	30.2	28.0
	RDN	5582	9180	90.3	128.0	93.1	30.2	24.6
Location mean		5288.0	8423.5	88.4	124.8	94.0	32.2	25.0
C.D.(5%) AiBj-AiBk		412.3	717.3	4.1	3.7	6.1	4.0	
C.D.(5%) AiBk-AjBk		399.4	1344.6	4.3	6.1	5.2	4.3	
F(5%)		NS	NS	NS	NS	NS	NS	
Zero Tillage		5532	8391	88.0	124.2	94.7	33.3	25.3
Conventional Tillage		4923	8233	87.8	123.9	93.0	32.6	23.5
Permanent Bed		5408	8647	89.3	126.2	94.3	30.6	26.1
C.D.(5%) Ai-Aj		219.0	1218.1	2.7	5.3	1.4	2.9	
C.V.(%) Error A		3.2	11.1	2.4	3.3	1.1	6.8	
F(5%)		S	NS	NS	NS	NS	NS	
RDF (120:60:40)		5010	8529	88.3	125.0	94.3	33.5	23.9
SSNM (110:40:30)		5344	7838	88.6	123.3	93.6	31.9	26.5
RDN 60% (72:60:40)+ GS		5510	8904	88.2	126.0	94.0	31.1	24.5
C.D.(5%)Bi-Bj		238.1	414.1	2.4	2.1	3.5	2.3	
C.V.(%)ErrorB		4.4	4.8	2.6	1.7	3.7	7.0	
F(5%)		S	S	NS	NS	NS	NS	

Table 25: Nutrient management in rice-maize cropping system under different tillage practices in Kalyani.

Tillage practices	Nutrient management	Grain yield of rice (kg/ha)	Stalk yield (kg/ha)	Plants height (cm)	Days to flowering	Days to maturity	Effective tillers/ m^2	Grains/ panicle	1000-seed weight (g)	Net returns (Rs./ha)	BC ratio
Zero Tillage	RDF	5274	7148	113.3	76.0	107.3	239.7	235.3	26.3	73323	2.58
	SSNM	5558	7433	114.5	76.0	104.7	244.7	251.1	27.3	79573	2.71
	FFP	5152	6455	112.8	76.0	105.3	235.7	229.6	25.7	69490	2.50
Conventional tillage	RDF	5544	7432	115.0	76.3	105.7	250.0	255.9	30.4	79285	2.71
	SSNM	6239	8262	120.3	75.7	105.0	263.7	260.1	33.6	94851	3.04
	FFP	5452	7150	113.9	78.7	108.0	247.7	251.3	28.3	76887	2.65
Permanent Bed	RDF	4770	6746	111.7	75.0	104.7	228.7	218.3	23.7	62425	2.34
	SSNM	5184	7172	112.2	76.3	106.0	232.3	226.5	24.3	71563	2.54
	FFP	4544	6474	111.7	77.0	107.0	217.0	185.9	21.3	57361	2.23
Location mean		5302.0	7141.4	113.9	76.3	106.0	239.9	234.9	26.8	73862.0	2.59
C.D.(5%) AiBj-AiBk		600.6	782.7	7.1	2.0	3.0	16.3	28.2	4.3	12789.2	0.28
C.D.(5%) AiBk-AjBk		692.7	989.3	7.2	1.8	2.7	17.9	38.1	4.4	15033.9	0.32
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zero tillage		5328	7012	113.6	76.0	105.8	240.0	238.7	26.5	74129	2.60
Conventional tillage		5745	7615	116.4	76.9	106.2	253.8	255.7	30.8	83674	2.80
Permanent bed		4832	6797	111.9	76.1	105.9	226.0	210.2	23.1	63783	2.37
C.D. (5%) Ai-Aj		496.2	764.6	4.3	0.7	1.2	12.2	30.7	2.6	10967.5	0.24
C.V. (%) Error A		7.2	8.2	2.9	0.7	0.9	3.9	10.0	7.5	11.3	7.0
F (5%)		S	NS	NS	S	NS	S	S	S	S	S
RDF		5196	7109	113.3	75.8	105.9	239.4	236.5	26.8	71678	2.54
SSNM		5661	7622	115.7	76.0	105.2	246.9	245.9	28.4	81996	2.76
FFP		5049	6693	112.8	77.2	106.8	233.4	222.3	25.1	67913	2.46
C.D. (5%) Bi-Bj		346.8	451.9	4.1	1.2	1.7	9.4	16.3	2.5	7383.9	0.16
C.V. (%) ErrorB		6.4	6.2	3.5	1.5	1.6	3.8	6.8	9.0	9.7	6.0
F (5%)		S	S	NS	S	NS	S	S	S	S	S

Table 26: Nutrient management in maize based rainfed cropping systems under different tillage practices in Srinagar.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
Zero Tillage	RDF	5323	13815	82.3	97.0	243.3	82.3	88.3	25.8
	SSNM	5511	13220	82.3	97.6	235.7	81.7	86.3	25.3
	RDN+GS	4407	10430	82.4	89.7	229.3	80.0	85.3	22.6
Conventional Tillage	RDF	4993	10690	82.6	95.9	241.0	83.0	86.0	25.3
	SSNM	5167	10322	82.3	95.8	241.7	84.0	87.7	24.8
	RDN+GS	4248	11946	82.5	86.5	223.3	83.0	84.3	22.9
Permanent Bed	RDF	5498	13642	82.7	88.0	235.7	84.7	88.3	24.7
	SSNM	5403	14125	82.3	89.4	243.3	83.0	88.0	24.7
	RDN+GS	4172	11030	82.2	79.9	224.3	81.3	86.0	22.7
Location mean		4969.1	12135.5	82.4	91.1	235.3	82.6	86.7	24.3
C.D.(5%) AiBj-AiBk		493.5	479.4	1.2	3.4	14.5	4.5	1.8	1.5
C.D.(5%) AiBk-AjBk		458.0	681.4	1.1	3.2	13.6	4.2	2.3	1.4
F(5%)		NS	S	NS	NS	NS	NS	NS	NS
Zero tillage		5080	12488	82.4	94.8	236.1	81.3	86.7	24.6
Conventional Tillage		4803	10986	82.5	92.7	235.3	83.3	86.0	24.3
Permanent Bed		5024	12932	82.4	85.7	234.4	83.0	87.4	24.0
C.D.(5%) Ai-Aj		222.2	563.5	0.5	1.6	6.8	2.0	1.7	0.6
C.V.(%) Error A		3.4	3.5	0.5	1.3	2.2	1.9	1.5	2.0
F(5%)		NS	S	NS	S	NS	NS	NS	NS
RDF (120:60:40)		5271	12716	82.6	93.6	240.0	83.3	87.6	25.3
SSNM		5360	12556	82.3	94.3	240.2	82.9	87.3	24.9
60% RDN+GS		4276	11135	82.4	85.3	225.7	81.4	85.2	22.8
C.D.(5%)Bi-Bj		284.9	276.8	0.7	2.0	8.4	2.6	1.0	0.9
C.V.(%)ErrorB		5.6	2.2	0.8	2.1	3.5	3.1	1.2	3.6
F(5%)		S	S	NS	S	S	NS	S	S

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Tillage practices	Nutrient management	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Zero Tillage	RDF	127514	2.68	11.0	21.3	14.2	13.3	44.7
	SSNM	125116	2.56	15.4	20.8	13.9	12.1	41.2
	RDN+GS	79916	1.82	20.1	21.3	12.1	11.0	34.9
Conventional Tillage	RDF	99089	2.51	11.2	21.9	14.0	14.8	46.3
	SSNM	101413	2.42	13.8	22.0	12.2	14.4	46.8
	RDN+GS	69086	1.52	21.3	21.8	10.8	10.4	40.4
Permanent Bed	RDF	100330	2.17	10.4	21.6	14.0	13.6	45.5
	SSNM	99386	2.22	19.9	21.0	12.2	12.7	42.7
	RDN+GS	54349	1.24	24.2	21.0	11.8	11.0	37.0
Location mean		95133.1	2.13	16.4	21.4	12.8	12.6	42.2
C.D.(5%) AiBj-AiBk		2955.3	0.19	1.4	3.1	1.8	1.4	2.2
C.D.(5%) AiBk-AjBk		2810.2	0.18	1.7	2.8	2.2	1.2	2.3
F(5%)		S	NS	S	NS	NS	NS	NS
Zero tillage		110849	2.36	15.5	21.1	13.4	12.2	40.3
Conventional Tillage		89862	2.15	15.4	21.9	12.3	13.2	44.5
Permanent Bed		84688	1.88	18.2	21.2	12.7	12.4	41.7
C.D.(5%) Ai-Aj		1468.2	0.09	1.3	1.3	1.7	0.3	1.5
C.V.(%) Error A		1.2	3.2	6.0	4.5	10.1	1.6	2.7
F(5%)		S	S	S	NS	NS	S	S
RDF (120:60:40)		108978	2.46	10.8	21.6	14.1	13.9	45.5
SSNM		108638	2.40	16.4	21.3	12.8	13.1	43.6
60% RDN+GS		67783	1.53	21.9	21.4	11.6	10.8	37.4
C.D.(5%)Bi-Bj		1706.3	0.11	0.8	1.8	1.0	0.8	1.2
C.V.(%)ErrorB		1.7	5.0	4.9	8.2	7.8	6.2	2.9
F(5%)		S	S	S	NS	S	S	S

Table 27: Nutrient management in maize-chickpea cropping system under different tillage practices in Banswara.

Tillage practices	Nutrient management	Maize grain yield (kg/ha)
Zero Tillage	RDF	6050
	SSNM	6851
	STCR	5319
Conventional Tillage	RDF	5394
	SSNM	6631
	STCR	5186
Permanent Bed	RDF	5619
	SSNM	6683
	STCR	5254

Location mean	5887.7
C.D.(5%) AiBj-AiBk	944.6
C.D.(5%) AiBk-AjBk	818.0
F(5%)	NS

Zero Tillage	6074
Conventional Tillage	5737
Permanent Bed	5852

C.D.(5%) Ai-Aj	278.6
C.V.(%) Error A	3.6
F(5%)	NS

RDF (120:60:40)	5688
SSNM (137:31:41)	6722
STCR (83:37:52)	5253

C.D.(5%)Bi-Bj	545.3
C.V.(%)ErrorB	9.0
F(5%)	S

Table 28: Nutrient management in maize-mustard rainfed cropping systems under different tillage practices in Chhindwara.

Tillage practices	Nutrient management	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking
Zero Tillage	60:30:20	4745	10478	62.1	75.7	197.5	53.6	60.0
	120:60:40	6289	11260	62.5	83.6	207.9	55.9	61.3
	140:34:71	7244	12033	63.4	84.6	214.6	57.0	63.0
Conventional Tillage	60:30:20	4933	9958	63.4	80.1	198.1	54.0	59.8
	120:60:40	6305	12343	64.6	81.8	208.0	56.0	61.8
	140:34:71	7495	13372	65.1	82.6	215.4	58.0	63.1
Permanent Bed	60:30:20	4568	9008	60.6	71.4	196.3	55.0	59.0
	120:60:40	6097	10052	61.2	75.2	204.7	56.8	62.0
	140:34:71	7305	11386	61.7	79.0	210.6	58.5	62.7
Location mean		6108.9	11099.0	62.7	79.3	205.9	56.1	61.4
C.D.(5%) AiBj-AiBk		373.1	898.1	5.1	9.0	18.8	4.9	4.9
C.D.(5%) AiBk-AjBk		347.5	1197.0	6.8	9.8	19.6	5.4	5.4
F(5%)		NS	S	NS	NS	NS	NS	NS
Zero Tillage		6093	11257	62.7	81.3	206.7	55.5	61.4
Conventional Tillage		6244	11891	64.4	81.5	207.2	56.0	61.6
Permanent Bed		5990	10149	61.2	75.2	203.9	56.8	61.2
C.D.(5%) Ai-Aj		170.4	957.0	5.4	6.5	12.4	3.7	3.7
C.V.(%) Error A		2.1	6.6	6.6	6.3	4.6	5.1	4.6
F(5%)		S	S	NS	NS	NS	NS	NS
½ RDF (60:30:20)		4749	9815	62.0	75.7	197.3	54.2	59.6
RDF (120:60:40)		6230	11219	62.8	80.2	206.9	56.2	61.7
SSNM (140:34:71)		7348	12264	63.4	82.1	213.6	57.8	62.9
C.D.(5%)Bi-Bj		215.4	518.5	2.9	5.2	10.9	2.8	2.8
C.V.(%)ErrorB		3.4	4.5	4.6	6.4	5.1	4.9	4.5
F(5%)		S	S	NS	NS	S	S	NS

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Tillage practices	Nutrient management	Cob length (cm)	Cob girth (cm)	Grain rows/ cob	Grains/row	Net return (Rs/ha)	BC ratio
Zero Tillage	60:30:20	17.0	15.6	13.1	28.0	37491	1.68
	120:60:40	18.0	16.0	13.0	29.0	68738	2.49
	140:34:71	18.7	16.8	14.2	29.5	76857	2.56
Conventional Tillage	60:30:20	18.0	16.7	13.7	27.9	48739	2.03
	120:60:40	18.2	16.0	13.8	28.6	71608	2.52
	140:34:71	18.9	17.0	14.6	31.8	79981	2.61
Permanent Bed	60:30:20	16.1	15.0	12.6	27.7	43115	1.64
	120:60:40	17.9	15.9	13.0	27.8	70171	2.33
	140:34:71	17.7	15.8	13.2	30.0	74982	2.40
Location mean		17.8	16.1	13.5	28.9	63520.3	2.25
C.D.(5%) AiBj-AiBk		1.8	1.0	1.1	3.2	3409.2	0.14
C.D.(5%) AiBk-AjBk		1.6	1.3	1.3	2.8	3828.5	0.28
F(5%)		NS	NS	NS	NS	S	S
Zero Tillage		17.9	16.1	13.4	28.8	61029	2.25
Conventional Tillage		18.4	16.6	14.0	29.4	66776	2.38
Permanent Bed		17.3	15.6	12.9	28.5	62756	2.12
C.D.(5%) Ai-Aj		0.8	1.0	1.0	0.9	2668.2	0.26
C.V.(%) Error A		3.3	4.7	5.8	2.4	3.2	8.7
F(5%)		S	NS	NS	NS	S	NS
½ RDF (60:30:20)		17.0	15.8	13.1	27.9	43115	1.78
RDF (120:60:40)		18.0	16.0	13.3	28.4	70172	2.45
SSNM (140:34:71)		18.4	16.5	14.0	30.4	77274	2.52
C.D.(5%)Bi-Bj		1.0	0.6	0.6	1.9	1968.3	0.08
C.V.(%)ErrorB		5.6	3.5	4.4	6.3	3.0	3.6
F(5%)		S	S	S	S	S	S

Table 29: Long term trial on Integrated Nutrient Management in Maize system in Srinagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	3839	9422	83.1	87.7	203.7	80.0	83.0	20.9
T_2	6830	13860	82.8	96.7	222.3	87.7	91.0	24.0
T_3	5990	14252	82.7	97.5	230.3	86.0	89.7	24.6
T_4	4884	11333	82.6	94.5	240.3	85.7	90.3	24.9
T_5	4131	10638	82.4	91.1	211.0	81.3	83.7	20.9
T_6	5962	14299	81.5	99.3	240.7	90.0	94.0	24.9
T_7	6880	15429	82.9	101.1	245.0	87.0	91.3	24.2
T_8	6264	14558	82.8	98.3	223.7	88.3	92.7	25.0
T_9	5148	13565	82.8	99.2	222.0	85.7	88.0	23.1
T_{10}	6758	14323	82.5	96.5	214.7	79.7	82.0	22.2
T_{11}	4138	9989	82.8	91.3	199.7	81.0	83.3	20.1
T_{12}	3597	9184	139.4	83.6	165.3	71.3	76.7	20.4
Mean	5368.4	12571.0	87.4	94.7	218.2	83.6	87.1	22.9
CD	243.4	513.3	1.9	2.8	13.5	3.6	3.6	1.3
CV (%)	2.7	2.4	1.3	1.8	3.7	2.5	2.4	3.5
Significance	S	S	S	S	S	S	S	S

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T_1	78137	1.30	30.7	15.7	10.2	9.4	25.8
T_2	115921	2.43	13.2	21.3	14.1	12.7	39.9
T_3	106708	2.50	11.6	20.2	12.2	10.9	40.5
T_4	104164	1.84	11.4	20.4	13.9	10.5	40.1
T_5	107420	1.98	17.0	17.0	9.3	8.8	32.7
T_6	132793	2.10	20.0	21.2	11.0	9.8	38.5
T_7	142556	2.68	11.5	21.4	13.9	14.9	47.2
T_8	123619	2.76	11.7	20.9	12.3	13.4	42.6
T_9	127041	2.69	12.1	20.7	11.1	12.8	39.8
T_{10}	120552	1.79	11.3	19.8	10.4	9.0	31.3
T_{11}	101408	1.43	14.9	16.7	9.8	8.0	26.4
T_{12}	55808	0.62	30.6	14.9	9.7	7.5	21.5
Mean	109677.3	2.01	16.3	19.2	11.5	10.6	35.5
CD	10027.4	0.19	1.6	2.3	1.6	2.0	3.0
CV (%)	5.4	5.6	5.7	7.0	8.3	10.9	5.0
Significance	S	S	S	S	S	S	S

Table 30: Long - term trial on integrated nutrient management in maize wheat cropping system in Pantnagar.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity	Cob length (cm)	Cob girth (cm)	100 seeds weight (g)
T_1	3499	4356	78.0	79.1	150.1	58.0	61.3	102.7	11.6	11.6	24.8
T_2	4822	7200	83.1	84.7	176.0	55.0	58.7	98.3	14.4	14.4	29.4
T_3	4581	5911	82.4	83.8	166.3	55.3	59.3	100.0	13.9	13.9	27.7
T_4	4485	5600	76.9	78.4	158.0	56.3	60.3	100.3	12.8	12.8	26.9
T_5	3971	5156	78.7	80.2	156.7	56.7	60.7	101.0	12.9	12.9	25.7
T_6	4341	5422	79.1	80.7	163.9	57.3	61.3	100.7	12.0	12.0	25.6
T_7	5269	8067	86.0	86.2	191.2	55.3	59.3	97.7	14.7	14.7	31.1
T_8	4989	6623	83.6	84.4	181.7	56.3	59.7	99.7	13.8	13.8	28.7
T_9	4634	6267	83.3	84.7	167.6	56.7	60.3	100.7	13.4	13.4	27.9
T_{10}	5124	7689	85.6	86.4	186.7	56.3	59.0	97.3	14.5	14.5	29.8
T_{11}	3740	4667	78.9	79.3	152.6	57.0	60.7	101.3	12.3	12.3	25.1
Mean	4496.0	6087.2	81.4	82.5	168.2	56.4	60.1	100.0	13.3	13.3	27.5
CD	456.9	435.8	4.9	4.8	20.6	1.6	1.3	1.5	0.8	0.8	2.1
CV (%)	6.0	4.2	3.6	3.4	7.2	1.6	1.3	0.9	3.6	3.6	4.5
Significance	S	S	S	S	S	S	S	S	S	S	S

Treatment	Net return (Rs./ ha)	B:C ratio	Total uptake (kg/ha)				Narrow leaves weeds/ m^2	Broad leaves / m^2	Sedges/ m^2	Weight narrow leaves (g)/m2	Weight broad leaves (g)/m2	Weight sedges (g)/m2
			N	P	K	Zn						
T_1	36564	1.60	71.4	10.6	27.5	0.140	32.3	12.3	6.3	0.260	1.090	0.22
T_2	50594	1.61	121.4	21.9	57.4	0.265	27.3	8.0	0.3	0.217	0.720	0.02
T_3	48628	1.66	104.8	17.4	48.0	0.222	25.3	7.0	5.0	0.230	0.627	0.14
T_4	49114	1.81	93.2	15.3	42.5	0.211	23.3	6.3	4.0	0.213	0.560	0.15
T_5	37012	1.22	92.5	12.8	36.8	0.195	18.7	5.7	2.0	0.177	0.507	0.07
T_6	60943	1.89	102.9	14.2	39.0	0.213	18.0	5.0	1.0	0.193	0.440	0.04
T_7	53699	1.50	144.4	25.5	67.6	0.350	24.0	4.0	4.0	0.193	0.360	0.13
T_8	51057	1.51	116.5	21.3	60.5	0.299	23.0	2.7	2.3	0.217	0.240	0.10
T_9	47146	1.49	104.4	18.4	56.9	0.279	21.7	2.0	1.0	0.200	0.190	0.05
T_{10}	54961	1.71	128.9	21.7	63.4	0.418	24.3	7.7	1.0	0.200	0.693	0.03
T_{11}	37606	1.45	82.5	11.8	33.2	0.165	35.0	7.0	6.0	0.277	0.620	0.21
Mean	47938.6	1.59	105.7	17.3	48.4	0.251	24.8	6.2	3.0	0.216	0.550	0.11
CD	4666.7	0.16	8.5	1.3	3.2	0.023	4.7	2.0	1.8	0.052	0.173	0.09
CV (%)	5.7	5.8	4.7	4.4	3.9	5.5	11.1	18.9	34.4	14.2	18.4	48.7
Significance	S	S	S	S	S	S	S	S	S	S	S	S

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A-112

Treatment	pH	Electrical conductivity (dS/m)	Organic C (%)	Available N (kg/ha)	Available P (kg/ha)	Available K (kg/ha)	Available Zn (mg/kg)
T_1	7.2	0.180	0.800	160.3	20.1	141.4	0.40
T_2	7.2	0.193	0.983	180.2	26.5	156.0	0.43
T_3	7.1	0.160	0.897	177.4	23.5	150.4	0.42
T_4	7.1	0.150	0.847	169.5	21.8	146.2	0.42
T_5	6.9	0.107	1.137	166.7	20.8	146.8	0.40
T_6	7.8	0.087	1.177	176.0	22.9	151.2	0.42
T_7	7.0	0.157	1.073	194.3	28.2	160.7	0.45
T_8	7.1	0.127	1.043	184.4	26.9	154.9	0.44
T_9	7.0	0.100	1.000	173.8	24.8	148.0	0.41
T_{10}	7.1	0.163	0.977	184.4	27.4	155.5	0.53
T_{11}	7.0	0.127	0.903	165.4	20.9	144.5	0.40
Mean	7.1	0.141	0.985	175.7	24.0	150.5	0.43
CD	0.8	0.021	0.057	5.6	2.0	4.5	0.02
CV (%)	6.6	8.9	3.4	1.9	4.8	1.8	2.5
Significance	N.S.	S	S	S	S	S	S

Table 31: Long term trial on integrated nutrient management in maize system in Bhubaneswar.

Treatment	Grain yield (kg/ha)	Cob yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% pollen shed	Days to 50% silking	Days to 50% Dry husk	Net return (Rs./ha)	B:C ratio
T_1	4521	5652	8444	78.7	158.1	52.0	55.0	95.0	25429	1.65
T_2	5885	7357	10785	77.3	161.0	51.3	54.0	94.0	41866	2.00
T_3	5670	7087	10198	80.4	169.6	52.7	55.0	93.7	39795	1.97
T_4	5473	6841	9311	81.1	162.6	51.0	53.7	95.0	37988	1.95
T_5	5339	6673	8910	80.7	158.3	51.3	54.0	94.3	30076	1.65
T_6	4936	6170	8717	78.2	159.3	52.0	55.0	94.0	27334	1.64
T_7	6766	8457	12637	80.2	169.1	51.0	53.3	94.0	48414	2.01
T_8	6522	8152	11488	81.3	166.2	50.7	53.7	93.0	46934	2.02
T_9	5495	6869	9803	78.9	162.5	51.3	54.0	94.0	32305	1.70
T_{10}	6566	8208	11749	80.4	166.8	52.3	55.3	94.0	47571	2.03
T_{11}	5559	6949	10248	80.2	161.0	51.7	54.0	93.0	35215	1.80
Mean	5702.9	7128.6	10208.1	79.8	163.1	51.6	54.3	94.0	37538.8	1.86
CD	274.7	343.4	830.7	3.0	3.6	1.0	1.4	1.7	3914.3	0.09
CV (%)	2.8	2.8	4.8	2.2	1.3	1.2	1.6	1.1	6.1	2.8
Significance	S	S	S	NS	S	S	NS	NS	S	S

Table 32: Long term trial on integrated nutrient management in maize in Coimbatore.

Treatments	Grain yield (kg/ ha)	Stover yield (kg/ ha)	Plants ('000/ ha)	Plant height (cm)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	100-seed weight (g)	Net return (Rs./ha)	B:C ratio
T_1	3533	5924	62.8	211.6	14.9	12.8	13.7	31.4	30.2	18930	1.47
T_2	7244	12403	62.6	223.7	18.9	15.6	14.5	33.3	37.6	72132	2.48
T_3	6732	11259	63.3	221.7	18.4	15.5	14.3	32.8	36.5	65304	2.39
T_4	5814	9497	62.8	215.8	17.0	15.2	14.3	31.8	35.2	51739	2.15
T_5	4167	7038	63.0	213.1	15.9	13.2	14.3	31.8	32.7	21005	1.44
T_6	4645	6882	61.7	212.5	15.8	13.0	14.2	31.7	32.0	20824	1.37
T_7	7324	12698	63.1	224.8	19.3	15.9	14.9	34.1	38.1	69882	2.33
T_8	6819	11491	62.2	222.9	18.5	15.5	14.4	33.3	36.5	63091	2.24
T_9	5912	9738	62.6	216.2	17.1	15.4	14.3	32.3	36.0	49700	2.02
T_{10}	7265	12511	62.8	224.1	19.0	15.6	14.9	33.9	37.8	70894	2.40
T_{11}	3597	6043	62.8	212.2	15.2	12.9	14.1	31.5	31.8	15244	1.34
Mean	5731.9	9589.5	62.7	218.1	17.3	14.6	14.4	32.5	34.9	47158.7	1.97
CD	804.8	1473.6	4.0	19.3	1.6	1.3	1.0	3.3	6.0	11595.7	0.24
CV (%)	8.2	9.0	3.7	5.2	5.5	5.0	4.2	6.0	10.1	14.4	7.2
Significance	S	S	NS	NS	S	S	NS	NS	NS	S	S

Table 33: Long term trial on integrated nutrient management in maize system in Dharwad.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	2568	3512	60.1	146.5	47.7	52.7	24.2	16095	1.64
T_2	6977	7530	81.1	203.7	50.3	55.3	34.3	77132	3.24
T_3	6134	6867	80.0	202.2	49.7	56.7	32.9	66951	3.15
T_4	5251	6433	76.4	188.3	49.3	54.7	32.2	55521	2.95
T_5	5447	6810	76.6	196.4	50.7	56.7	36.6	55657	2.77
T_6	5725	6360	77.5	199.6	50.0	56.0	38.7	59107	2.82
T_7	7658	8250	81.2	206.5	51.0	57.0	38.7	83930	3.17
T_8	7268	8163	78.2	205.9	49.7	55.7	33.8	80792	3.28
T_9	7116	7748	77.6	187.0	51.3	55.7	34.3	81861	3.56
T_{10}	7241	7670	81.1	208.2	51.0	57.0	39.0	81353	3.36
T_{11}	4416	5288	79.6	167.5	50.3	55.3	35.3	43163	2.57
Mean	5982.2	6784.7	77.2	192.0	50.1	55.7	34.6	63778.5	2.95
CD	722.4	570.2	6.0	17.3	2.9	3.6	6.8	11558.9	0.39
CV (%)	7.1	4.9	4.6	5.3	3.4	3.8	11.6	10.6	7.7
Significance	S	S	S	S	NS	NS	S	S	S

Treatment	Total weeds/m² at 25 DAS	Total weeds dry wt. (g/ m²) at 25 DAS	FAW damage (%) at 30 DAS	Shoot fly/plot at 30 DAS
T_1	8.6	1.89	2.00	2.33
T_2	15.4	2.53	1.00	1.33
T_3	12.8	2.00	1.33	1.33
T_4	14.4	1.99	1.00	1.00
T_5	19.6	3.80	0.33	0.67
T_6	18.7	2.73	1.33	0.67
T_7	17.2	3.50	1.33	0.67
T_8	20.0	4.20	1.67	0.67
T_9	15.7	2.63	0.67	1.00
T_{10}	10.9	1.60	0.67	0.67
T_{11}	12.1	3.57	1.00	1.33
Mean	15.0	2.77	1.12	1.06
CD	9.5	2.18	1.50	1.09
CV (%)	37.2	46.2	78.6	60.1
Significance	NS	NS	NS	NS

Table 34: Long term trial on integrated nutrient management in maize at Karimnagar.

Treatments	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Ear height (cm)	Days to 50% tasseling	Days to 50% silking
T_1	3052	4583	5108	70.3	141.7	60.3	67.0	71.0
T_2	6954	6493	9991	70.3	177.3	88.0	64.0	68.3
T_3	6090	6319	9184	76.7	170.3	84.7	64.0	68.7
T_4	5180	5694	7957	67.2	166.7	83.7	65.7	70.0
T_5	3785	4028	6014	61.1	149.7	66.3	67.0	72.0
T_6	4230	3507	6658	69.8	142.7	59.3	66.3	71.7
T_7	7741	6944	10523	72.0	178.7	85.7	65.0	68.7
T_8	6460	6875	9491	67.5	173.3	86.0	63.0	68.0
T_9	6406	7430	9467	75.0	172.3	83.3	62.7	68.3
T_{10}	7310	7291	10450	72.4	178.0	93.0	64.0	68.0
T_{11}	3476	3750	5399	69.3	145.0	63.0	67.7	72.0
T_{12}	6944	6805	10207	71.5	178.0	92.7	63.3	68.3
Mean	5635.8	5809.8	8370.6	70.3	164.5	78.8	65.0	69.6
CD	764.7	801.2	996.6	6.9	16.8	11.7	2.1	1.5
CV (%)	8.0	8.1	7.0	5.8	6.0	8.7	1.9	1.2
Significance	S	S	S	S	S	S	S	S

Treatments	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shelling (%)	100-Grain weight (g)	Net returns (Rs./ha)	B:C Ratio
T_1	14.7	13.6	13.3	23.9	59.8	32.7	-4257	0.92
T_2	18.6	16.3	14.1	33.1	69.5	33.0	58044	1.96
T_3	17.0	15.9	14.4	29.3	66.3	32.7	44354	1.75
T_4	16.4	15.7	14.7	27.8	65.2	32.7	31706	1.56
T_5	15.1	14.9	14.0	25.1	63.0	29.3	-23043	0.74
T_6	15.4	14.7	13.7	25.7	63.6	31.3	-16734	0.81
T_7	18.9	16.5	15.1	33.5	73.5	35.0	55793	1.74
T_8	17.2	16.0	15.2	30.3	68.1	33.0	35028	1.47
T_9	16.8	16.0	14.5	30.0	67.6	34.3	36925	1.51
T_{10}	18.7	16.3	14.4	33.4	69.8	33.0	63339	2.04
T_{11}	15.7	15.5	13.9	24.3	64.4	30.0	-12670	0.82
T_{12}	17.7	16.5	14.5	32.1	68.1	34.0	56295	1.91
Mean	16.8	15.7	14.3	29.0	66.6	32.6	27065.1	1.44
CD	1.5	1.2	1.2	3.9	3.4	3.6	12999.4	0.21
CV (%)	5.4	4.6	4.9	7.9	3.0	6.5	28.4	8.48
Significance	S	S	NS	S	S	NS	S	S

Table 35: Long term trial on integrated nutrient management in maize system in Kolhapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (g)
T_1	4000	8083	76.7	75.8	175.7	64.0	67.0	25.5
T_2	5067	9417	75.6	76.9	182.7	60.7	64.0	30.3
T_3	4783	9058	76.1	76.7	181.3	61.3	65.3	28.9
T_4	4475	8167	76.4	76.4	178.3	62.7	65.7	28.3
T_5	4014	8250	76.4	76.4	175.7	64.3	67.3	27.8
T_6	4100	7917	75.6	75.6	173.3	64.0	67.0	27.5
T_7	5900	11000	76.1	76.9	186.0	60.7	64.7	30.3
T_8	5372	10417	76.7	76.9	152.7	61.7	65.0	29.6
T_9	4833	9583	75.8	75.3	177.3	62.3	65.3	28.7
T_{10}	5158	10083	75.3	76.1	179.3	61.7	65.0	27.6
T_{11}	5197	9917	76.4	76.4	181.3	63.7	67.0	27.1
Mean	4809.1	9262.9	76.1	76.3	176.7	62.5	65.8	28.3
CD	951.9	1590.9	1.9	1.4	23.3	0.9	1.3	1.2
CV (%)	11.6	10.1	1.5	1.1	7.7	0.9	1.2	2.5
Significance	S	S	NS	NS	NS	S	S	S

Table 36: Long term trial on integrated nutrient management in maize system in Banswara.

Treatments	Grain yield (kg/ha)
T_1	4498
T_2	7213
T_3	6813
T_4	6253
T_5	5738
T_6	8258
T_7	7600
T_8	7089
T_9	6778
T_{10}	7351
T_{11}	4964
Mean	6596.0
CD	1020.8
CV (%)	9.1
Significance	S

Table 37: Long term trial on integrated nutrient management in maize system in Ambikapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	1769	2193	59.3	34.7	102.0	55.0	58.0	22.7
T_2	7313	15986	65.1	63.8	238.6	51.3	54.3	30.2
T_3	6136	12763	65.3	64.0	223.9	52.3	55.3	29.4
T_4	5707	9876	65.3	62.9	191.4	53.0	56.0	27.5
T_5	2732	3393	64.9	41.8	126.0	54.0	57.0	23.8
T_6	2984	4829	64.4	44.4	159.2	54.0	57.0	25.0
T_7	7847	18141	65.6	65.6	251.2	51.3	54.3	30.2
T_8	6269	13184	64.9	65.1	229.6	52.3	55.3	29.8
T_9	6096	12088	65.1	64.2	213.4	53.0	56.0	28.8
T_{10}	6718	14223	66.2	65.8	234.6	51.3	54.3	30.0
T_{11}	4698	7668	62.4	61.6	184.2	53.0	56.0	26.7
Mean	5297.1	10394.8	64.4	57.6	195.8	52.8	55.8	27.6
CD	2619.6	4862.5	1.8	3.3	19.9	1.4	1.4	2.1
CV (%)	29.0	27.5	1.6	3.4	6.0	1.5	1.5	4.5
Significance	S	S	S	S	S	S	S	S

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T_1	3119	0.14	41.6	10.3	9.2	8.6	21.6
T_2	80115	2.77	2.0	20.7	14.7	15.0	38.1
T_3	63875	2.33	2.0	19.0	14.0	13.9	33.8
T_4	57848	2.24	3.7	15.3	13.0	13.7	29.4
T_5	14536	0.59	35.6	10.4	11.3	10.5	22.3
T_6	18639	0.75	31.0	12.6	11.7	10.5	23.6
T_7	86099	2.74	0.0	20.9	14.9	15.2	38.5
T_8	63210	2.12	-0.3	19.7	14.0	14.5	36.2
T_9	62055	2.19	1.4	16.9	13.4	13.8	31.6
T_{10}	70050	2.35	0.7	20.6	14.7	15.0	37.2
T_{11}	39356	1.34	1.4	14.8	12.6	12.5	28.8
Mean	50809.3	1.78	10.8	16.5	13.1	13.0	31.0
CD	38595.0	1.38	4.5	1.0	0.7	1.1	2.5
CV (%)	44.6	45.4	24.1	3.4	3.0	5.1	4.7
Significance	S	S	S	S	S	S	S

Table 38: Long term trial on integrated nutrient management in maize system in Chhindwara.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Net return (Rs/ha)	B:C ratio
T_1	4856	7451	42.0	42.3	121.3	57.7	58.3	46700	1.81
T_2	6795	10422	54.7	54.3	142.0	57.3	58.3	81169	2.45
T_3	6420	10031	54.0	54.0	141.3	58.3	59.7	78945	2.41
T_4	5531	8892	53.3	52.7	136.7	57.7	59.0	53154	2.00
T_5	5204	8789	53.0	51.7	134.7	58.0	59.0	50722	1.96
T_6	5046	8509	51.0	51.3	133.7	57.7	58.7	48591	1.92
T_7	7004	11586	55.3	54.7	143.0	58.3	59.7	82837	2.49
T_8	6053	9987	53.7	53.7	140.0	58.0	59.0	70168	2.13
T_9	5742	9057	53.3	53.0	137.0	58.7	60.0	62999	2.09
T_{10}	7080	11804	57.7	55.3	144.7	57.7	58.7	87285	2.56
T_{11}	4958	8059	45.0	43.0	128.3	58.0	58.7	47984	1.90
Mean	5880.8	9508.0	52.1	51.5	136.6	57.9	59.0	64595.9	2.16
CD	472.4	873.5	7.1	7.5	7.6	1.2	1.1	6452.7	0.17
CV (%)	4.7	5.4	8.1	8.6	3.2	1.2	1.1	5.9	4.7
Significance	S	S	S	S	S	NS	NS	S	S

Treatments	Cob length (cm)	Cob girth (cm)	Grains row/ cob	Grains/ row
T_1	13.0	14.0	12.9	35.0
T_2	16.7	15.7	14.8	39.0
T_3	16.4	15.5	14.5	37.5
T_4	15.9	14.7	13.9	36.3
T_5	15.6	14.6	13.5	36.0
T_6	14.4	14.2	13.4	35.8
T_7	17.1	16.0	15.0	40.0
T_8	16.1	15.3	14.3	37.2
T_9	16.0	15.0	14.0	37.0
T_{10}	17.7	16.2	15.5	40.3
T_{11}	13.7	14.0	13.0	35.2
Mean	15.7	15.0	14.1	37.2
CD	1.3	1.2	1.3	2.8
CV (%)	4.8	4.8	5.6	4.4
Significance	S	S	S	S

Treatment details:

T_1: Unmanured
T_2: 100% RDF
T_3: 75% RDF
T_4: 50% RDF
T_5: FYM 10 t/ha + Azatobactor
T_6: Maize + legume intercropping with FYM 10 t/ha + Azatobactor
T_7: 100% RDF + 5 t/ha FYM
T_8: 75% RDF + 5 t/ha FYM
T_9: 50% RDF + 5 t/ha FYM
T_{10}:100% RDF + 5 kg Zn/ha
T_{11}: FYM 5 t/ha (state practice)

Table 39: Enhancing water-use efficiency in rainfed maize in Srinagar.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Net returns (Rs. /ha)	B:C ratio
Conventional till	Control	7106	14176	82.7	86.2	221.3	73.3	78.0	78106	1.58
	Hydrogel 2.5	7023	13984	82.7	87.3	218.7	77.3	81.3	81809	1.71
	Hydrogel 5.0	7182	14264	82.9	87.5	219.0	76.0	80.7	83692	1.74
Conventional till + mulching	Control	7264	14405	82.7	88.9	220.7	78.7	83.0	87902	1.82
	Hydrogel 2.5	7230	14243	82.5	90.9	218.0	78.0	82.3	89094	1.86
	Hydrogel 5.0	7326	14087	82.7	91.5	220.3	77.7	81.7	90827	1.89
Zero tillage	Control	7097	13913	82.9	93.9	221.0	74.7	78.7	99300	1.94
	Hydrogel 2.5	7269	14324	82.6	95.2	226.7	76.0	80.3	103685	2.13
	Hydrogel 5.0	7306	14315	82.8	94.0	216.0	75.0	79.7	110328	2.37
Zero tillage + residue (4 t/ha)	Control	7620	14063	83.3	94.9	219.0	79.0	83.0	112968	2.46
	Hydrogel 2.5	7698	14465	82.7	97.2	220.3	76.7	82.7	117065	2.60
	Hydrogel 5.0	7775	14548	83.3	97.1	217.0	78.0	83.7	121748	2.63
Location mean		7324.6	14232.3	82.8	92.0	219.8	76.7	81.3	98043.6	2.06
C.D.(5%) AiBj-AiBk		219.3	965.0	1.0	2.4	9.4	2.6	2.6	4220.5	0.10
C.D.(5%) AiBk-AjBk		260.4	1029.0	1.0	2.4	8.4	3.1	3.5	5732.7	0.13
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS	S
Conventional till		7104	14142	82.8	87.0	219.7	75.6	80.0	81202	1.68
Conventional till + mulching		7273	14245	82.6	90.4	219.7	78.1	82.3	89274	1.86
Zero tillage		7224	14184	82.8	94.4	221.2	75.2	79.6	104438	2.15
Zero tillage + residue (4 t/ha)		7698	14359	83.1	96.4	218.8	77.9	83.1	117260	2.56
C.D.(5%) Ai-Aj		190.0	665.7	0.6	1.3	3.5	2.3	2.8	4599.0	0.10
C.V.(%) Error A		2.2	4.1	0.6	1.2	1.4	2.6	2.9	4.1	4.4
F(5%)		S	NS	NS	S	NS	S	S	S	S
Control		7272	14139	82.9	91.0	220.5	76.4	80.7	94569	1.95
Hydrogel 2.5 (kg/ha)		7305	14254	82.6	92.6	220.9	77.0	81.7	97913	2.07
Hydrogel 5.0 (kg/ha)		7397	14303	82.9	92.5	218.1	76.7	81.4	101649	2.16
C.D.(5%)Bi-Bj		109.7	482.5	0.5	1.2	4.7	1.3	1.3	2110.2	0.05
C.V.(%)ErrorB		1.7	3.9	0.7	1.5	2.5	2.0	1.8	2.5	2.8
F(5%)		NS	NS	NS	S	NS	NS	NS	S	S

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A-120

Tillage practices	Hydrogel (kg/ha)	100-seed weight (g)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Insect-pest and disease incidence	Barrenness in maize (%)
Conventional till	Control	24.5	19.0	11.6	13.2	33.9	13.7	13.8
	Hydrogel 2.5	24.2	18.3	10.9	11.5	36.8	13.6	13.7
	Hydrogel 5.0	24.4	17.3	10.9	12.4	41.9	13.9	13.5
Conventional till + mulching	Control	24.5	16.1	11.3	11.9	40.2	12.9	13.0
	Hydrogel 2.5	24.1	20.4	11.5	11.2	37.7	13.4	13.2
	Hydrogel 5.0	23.9	17.7	10.7	13.2	42.9	13.1	12.8
Zero tillage	Control	24.0	18.1	11.7	10.5	43.8	11.7	11.9
	Hydrogel 2.5	23.7	18.8	11.5	13.0	45.1	12.0	11.5
	Hydrogel 5.0	24.1	19.8	11.8	12.6	45.0	11.9	11.8
Zero tillage + residue (4 t/ha)	Control	23.8	18.1	12.0	13.6	40.0	12.6	12.6
	Hydrogel 2.5	24.5	21.1	12.0	13.2	39.6	12.5	12.5
	Hydrogel 5.0	24.6	21.0	12.0	14.6	45.8	12.3	12.4
Location mean		24.2	18.8	11.5	12.6	41.0	12.8	12.7
C.D.(5%) AiBj-AiBk		1.4	3.0	2.1	1.8	4.3	2.5	1.7
C.D.(5%) AiBk-AjBk		1.3	2.7	1.8	2.2	4.2	2.1	2.1
F(5%)		NS	NS	NS	S	NS	NS	NS
Conventional till		24.4	18.2	11.2	12.4	37.5	13.7	13.6
Conventional till + mulching		24.2	18.1	11.2	12.1	40.3	13.1	13.0
Zero tillage		23.9	18.9	11.7	12.1	44.6	11.9	11.7
Zero tillage + residue (4 t/ha)		24.3	20.1	12.0	13.8	41.8	12.5	12.5
C.D.(5%) Ai-Aj		0.7	1.2	0.7	1.6	2.2	0.5	1.5
C.V.(%) Error A		2.4	5.4	5.4	11.1	4.6	3.7	10.5
F(5%)		NS	S	NS	NS	S	S	NS
Control		24.2	17.8	11.7	12.3	39.5	12.8	12.8
Hydrogel 2.5 (kg/ha)		24.1	19.7	11.5	12.2	39.8	12.9	12.7
Hydrogel 5.0 (kg/ha)		24.3	18.9	11.4	13.2	43.9	12.8	12.6
C.D.(5%)Bi-Bj		0.7	1.5	1.0	0.9	2.2	1.2	0.9
C.V.(%)ErrorB		3.2	9.2	10.4	8.1	6.1	11.2	7.9
F(5%)		NS	NS	NS	NS	S	NS	NS

Table 40: Enhancing water-use efficiency in rainfed maize in Chitrakoot.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% silking	Days to 50% maturity
Conventional till	Control	2977	6556	8559	72.2	167.7	67.3	80.7
	Hydrogel 2.5	3295	6864	9116	72.2	163.7	66.7	80.7
	Hydrogel 5.0	3444	6938	9044	74.0	167.3	67.3	80.3
Conventional till + mulching	Control	3196	6864	8014	72.2	175.0	66.7	81.3
	Hydrogel 2.5	3364	6864	8691	74.0	175.3	66.7	80.7
	Hydrogel 5.0	3620	7481	8802	77.7	184.7	66.7	80.3
Zero till	Control	3189	6506	9055	75.8	173.3	66.7	80.3
	Hydrogel 2.5	3308	6321	9181	77.7	173.3	67.3	81.0
	Hydrogel 5.0	3223	6605	9451	75.8	173.3	67.3	81.0
Zero till + residue	Control	3044	6055	8646	70.3	169.7	67.3	80.7
	Hydrogel 2.5	3275	6689	8752	74.0	169.7	67.3	80.3
	Hydrogel 5.0	3223	6580	8825	70.3	171.7	68.0	81.0
Location mean		3263.3	6693.6	8844.6	73.8	172.1	67.1	80.7
C.D.(5%) AiBj-AiBk		301.1	770.2	834.0	7.2	8.8	1.2	1.2
C.D.(5%) AiBk-AjBk		408.0	769.5	827.7	7.7	10.0	1.4	1.3
F(5%)		NS	NS	NS	NS	NS	NS	NS
Conventional till		3239	6786	8907	72.8	166.2	67.1	80.6
Convention Till + Mulching		3394	7070	8502	74.6	178.3	66.7	80.8
Zero Tillage		3240	6477	9229	76.4	173.3	67.1	80.8
Zero Tillage + Residue (4t/ha)		3181	6441	8741	71.6	170.3	67.6	80.7
C.D.(5%) Ai-Aj		326.9	446.5	473.7	5.1	7.0	1.0	0.9
C.V.(%) Error A		8.7	5.8	4.6	6.0	3.5	1.3	1.0
F(5%)		NS	S	S	NS	S	NS	NS
Control		3102	6495	8569	72.6	171.4	67.0	80.8
Hydro 2.5 (kg/ha)		3311	6684	8935	74.5	170.5	67.0	80.7
Hydro 5.0 (kg/ha)		3378	6901	9030	74.5	174.3	67.3	80.7
C.D.(5%)Bi-Bj		150.6	385.1	417.0	3.6	4.4	0.6	0.6
C.V.(%)ErrorB		5.3	6.6	5.4	5.6	2.9	1.1	0.9
F(5%)		S	NS	NS	NS	NS	NS	NS

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A-122

Tillage practices	Hydrogel (kg/ha)	Cob length (cm)	Grain rows/cob	Grains/row	Grains/cob	Shelling (%)	Net returns (Rs./ha)	B:C Ratio
Conventional till	Control	16.2	13.5	25.1	336.1	42.5	39251	2.43
	Hydrogel 2.5	16.1	13.2	26.8	353.6	42.7	43029	2.40
	Hydrogel 5.0	16.3	14.1	24.2	342.4	42.5	43479	2.27
Conventional till + mulching	Control	15.9	12.7	23.7	298.6	43.6	38041	2.13
	Hydrogel 2.5	15.8	13.0	24.7	321.1	43.4	38443	2.03
	Hydrogel 5.0	16.6	12.8	24.2	309.9	43.5	41649	2.03
Zero till	Control	16.4	13.6	23.4	318.6	42.9	46746	2.97
	Hydrogel 2.5	16.6	14.0	23.6	333.3	42.5	45986	2.67
	Hydrogel 5.0	16.1	12.9	22.5	289.0	42.5	42017	2.43
Zero till + residue	Control	16.4	13.1	22.5	293.8	41.0	38094	2.27
	Hydrogel 2.5	16.1	12.9	22.7	293.5	41.5	40413	2.23
	Hydrogel 5.0	16.1	12.7	25.1	319.0	43.3	36714	2.03

Location mean	16.2	13.2	24.0	317.4	42.7	41155.1	2.33
C.D.(5%) AiBj-AiBk	0.7	1.8	1.9	36.8	2.7	4315.2	0.22
C.D.(5%) AiBk-AjBk	0.8	1.8	2.3	35.4	3.3	5751.6	0.28
F(5%)	NS	NS	S	NS	NS	S	NS

Conventional till	16.2	13.6	25.4	344.0	42.6	41920	2.37
Convention Till + Mulching	16.1	12.8	24.2	309.9	43.5	39378	2.07
Zero Tillage	16.4	13.5	23.2	313.6	42.6	44916	2.69
Zero Tillage + Residue (4t/ha)	16.2	12.9	23.4	302.1	41.9	38407	2.18

C.D.(5%) Ai-Aj	0.6	1.0	1.7	18.9	2.5	4564.2	0.21
C.V.(%) Error A	3.1	6.4	6.2	5.2	5.0	9.6	7.9
F(5%)	NS	NS	NS	S	NS	S	S

Control	16.2	13.2	23.7	311.8	42.5	40533	2.45
Hydro 2.5 (kg/ha)	16.2	13.3	24.5	325.4	42.5	41968	2.33
Hydro 5.0 (kg/ha)	16.3	13.1	24.0	315.1	42.9	40965	2.19

C.D.(5%)Bi-Bj	0.3	0.9	0.9	18.4	1.4	2157.6	0.11
C.V.(%)ErrorB	2.4	8.1	4.5	6.7	3.7	6.1	5.5
F(5%)	NS	NS	NS	NS	NS	NS	S

Table 41: Enhancing water use efficiency in rainfed maize in Karimnagar.

Tillage	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Ear height (cm)	Days to 50% tasseling	Days to 50% silking
Conventional tillage	Control	1803	2584	3014	61.8	150.3	68.3	57.0	60.0
	Hydrogel 2.5	1949	2417	3146	56.9	148.3	67.3	55.7	60.3
	Hydrogel 5.0	2193	2345	3421	61.1	145.7	64.3	56.0	59.7
Conventional tillage+ Mulch	Control	2038	2500	3298	61.3	160.7	78.0	55.7	59.7
	Hydrogel 2.5	2631	2667	4078	62.5	166.0	79.7	56.3	59.0
	Hydrogel 5.0	2852	2722	4391	61.8	166.3	74.7	56.0	59.7
Zero tillage	Control	1922	2078	3146	66.2	150.0	68.7	55.3	59.0
	Hydrogel 2.5	1963	2283	3146	63.2	149.3	65.3	54.7	58.3
	Hydrogel 5.0	2146	2278	3261	64.3	137.0	63.0	55.3	59.0
Zero tillage+ Mulch	Control	2322	2728	3713	70.6	159.3	74.0	54.7	57.7
	Hydrogel 2.5	2763	2864	4303	67.1	157.7	72.7	54.0	58.3
	Hydrogel 5.0	2813	2667	4331	72.2	153.0	73.7	55.3	58.7
Location mean		2282.8	2511.1	3603.9	64.1	153.6	70.8	55.5	59.1
C.D.(5%) AiBj-AiBk		643.9	662.3	909.1	8.2	16.7	10.4	1.4	1.4
C.D.(5%) AiBk-AjBk		541.2	665.3	782.9	12.3	26.1	15.6	1.4	1.5
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS
Conventional tillage		1982	2448	3193	59.9	148.1	66.7	56.2	60.0
Conventional tillage+ Mulch		2507	2630	3923	61.9	164.3	77.4	56.0	59.4
Zero tillage		2010	2213	3184	64.6	145.4	65.7	55.1	58.8
Zero tillage+ Mulch		2633	2753	4115	70.0	156.7	73.4	54.7	58.2
C.D.(5%) Ai-Aj		129.8	390.0	250.9	10.3	22.4	13.2	0.7	1.0
C.V.(%) Error A		4.9	13.5	6.0	14.0	12.6	16.1	1.1	1.5
F(5%)		S	NS	S	NS	NS	NS	S	S
Control		2021	2472	3293	65.0	155.1	72.3	55.7	59.1
Hydrogel 2.5 (kg/ha)		2327	2558	3668	62.4	155.3	71.3	55.2	59.0
Hydrogel 5.0 (kg/ha)		2501	2503	3851	64.9	150.5	68.9	55.7	59.3
C.D.(5%)Bi-Bj		321.9	331.1	454.6	4.1	8.4	5.2	0.7	0.7
C.V.(%)ErrorB		16.3	15.2	14.6	7.4	6.3	8.5	1.5	1.3
F(5%)		S	NS	NS	NS	NS	NS	NS	NS

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A-124

Tillage	Hydrogel (kg/ha)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Shelling (%)	100 grain weight (g)	Net returns (Rs./ha)	B:C Ratio
Conventional tillage	Control	14.7	15.8	13.7	21.7	59.7	30.3	-17353	0.64
	Hydrogel 2.5	15.4	16.4	13.9	23.1	62.0	32.3	-15381	0.68
	Hydrogel 5.0	15.4	16.2	14.2	23.2	64.0	30.3	-11731	0.76
Conventional tillage+ Mulch	Control	15.5	16.8	13.3	24.6	62.1	30.3	-14578	0.70
	Hydrogel 2.5	16.5	16.9	13.9	25.2	64.5	32.7	-4995	0.90
	Hydrogel 5.0	16.5	17.7	13.9	25.6	64.9	32.3	-1738	0.97
Zero tillage	Control	14.4	16.0	13.1	21.4	61.0	30.0	-8744	0.79
	Hydrogel 2.5	15.0	16.1	13.2	22.9	62.3	31.0	-8531	0.80
	Hydrogel 5.0	15.5	16.2	13.4	23.1	65.5	30.7	-6433	0.85
Zero tillage+ Mulch	Control	15.6	16.5	13.5	24.1	62.4	30.3	-3156	0.93
	Hydrogel 2.5	15.9	16.6	14.9	25.2	64.1	31.7	3857	1.09
	Hydrogel 5.0	15.5	16.6	14.3	25.5	64.9	31.7	3694	1.08
Location mean		15.5	16.5	13.8	23.8	63.1	31.1	-7090.7	0.85
C.D.(5%) AiBj-AiBk		1.7	1.6	1.9	3.5	3.6	6.1	10945.5	0.24
C.D.(5%) AiBk-AjBk		1.7	1.5	1.9	3.4	3.7	7.3	9201.0	0.21
F(5%)		NS	NS	NS	NS	NS	NS	NS	NS
Conventional tillage		15.2	16.1	13.9	22.7	61.9	31.0	-14822	0.69
Conventional tillage+ Mulch		16.2	17.1	13.7	25.1	63.9	31.8	-7103	0.86
Zero tillage		14.9	16.1	13.2	22.5	62.9	30.6	-7903	0.81
Zero tillage+ Mulch		15.7	16.6	14.2	25.0	63.8	31.2	1465	1.03
C.D.(5%) Ai-Aj		0.9	0.8	1.1	1.8	2.3	5.4	2207.0	0.05
C.V.(%) Error A		4.9	4.1	6.9	6.6	3.2	15.0	-27.0	4.9
F(5%)		NS	NS	NS	S	NS	NS	S	S
Control		15.0	16.3	13.4	23.0	61.3	30.3	-10958	0.76
Hydrogel 2.5 (kg/ha)		15.7	16.5	14.0	24.1	63.2	31.9	-6262	0.87
Hydrogel 5.0 (kg/ha)		15.7	16.7	13.9	24.4	64.8	31.3	-4052	0.91
C.D.(5%)Bi-Bj		0.9	0.8	0.9	1.8	1.8	3.1	5472.8	0.12
C.V.(%)ErrorB		6.5	5.6	7.9	8.5	3.3	11.4	-89.2	16.6
F(5%)		NS	NS	NS	NS	S	NS	S	NS

Table 42: Enhancing water-use efficiency in rainfed maize in Chhindwara.

Tillage Practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking
Conventional Tillage	Control	5912	8753	63.4	61.0	151.3	57.7	58.3
	Hydrogel 2.5	6045	9158	64.5	61.6	168.0	58.0	58.3
	Hydrogel 5.0	6222	10098	64.6	61.5	174.7	57.7	59.7
Conventional Tillage + Mulching	Control	6472	8903	63.5	62.0	164.7	58.0	59.0
	Hydrogel 2.5	6597	9194	64.8	65.2	166.7	58.7	59.0
	Hydrogel 5.0	6843	11083	66.0	67.0	171.3	57.7	58.7
Zero tillage	Control	6401	8977	64.0	62.5	158.3	58.0	59.7
	Hydrogel 2.5	6504	9255	65.0	63.7	163.7	57.7	59.0
	Hydrogel 5.0	6555	10457	65.0	64.0	173.0	57.3	60.0
Zero tillage + Residues (4t/ha)	Control	6954	9013	64.6	69.8	170.0	58.3	58.7
	Hydrogel 2.5	7006	9301	65.1	70.1	167.0	58.3	58.7
	Hydrogel 5.0	7358	11505	65.3	71.1	172.0	58.0	58.7
Location mean		6572.5	9641.1	64.7	64.9	166.7	57.9	59.0
C.D.(5%) AiBj-AiBk		1090.5	1668.6	3.5	7.2	9.4	1.7	1.8
C.D.(5%) AiBk-AjBk		1125.7	2408.0	4.1	6.4	10.6	2.3	1.8
F(5%)		NS	NS	NS	NS	NS	NS	NS
Conventional Tillage		6060	9336	64.2	61.4	164.7	57.8	58.8
Conventional Tillage + Mulching		6637	9726	64.8	64.7	167.6	58.1	58.9
Zero tillage		6487	9563	64.7	63.4	165.0	57.7	59.6
Zero tillage + Residues (4t/ha)		7106	9939	65.0	70.3	169.7	58.2	58.7
C.D.(5%) Ai-Aj		693.0	1992.3	2.9	2.7	7.3	1.9	1.0
C.V.(%) Error A		9.1	17.9	3.9	3.6	3.8	2.9	1.5
F(5%)		NS	NS	NS	S	NS	NS	NS
Control		6435	8911	63.9	63.8	161.1	58.0	58.9
Hydrogel 2.5 (kg/ha)		6538	9227	64.9	65.1	166.3	58.2	58.8
Hydrogel 5.0 (kg/ha)		6744	10786	65.2	65.9	172.8	57.7	59.3
C.D.(5%)Bi-Bj		545.2	834.3	1.8	3.6	4.7	0.8	0.9
C.V.(%)ErrorB		9.6	10.0	3.1	6.4	3.3	1.7	1.8
F(5%)		NS	S	NS	NS	S	NS	NS

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A-126

Tillage Practices	Hydrogel (kg/ha)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
Conventional Tillage	Control	14.2	13.8	14.0	35.5
	Hydrogel 2.5	16.2	14.4	15.0	37.0
	Hydrogel 5.0	17.1	15.0	16.0	40.1
Conventional Tillage + Mulching	Control	14.6	14.1	14.3	35.9
	Hydrogel 2.5	16.8	14.9	15.4	37.4
	Hydrogel 5.0	17.5	15.3	16.1	40.2
Zero tillage	Control	14.5	14.0	14.2	35.8
	Hydrogel 2.5	16.6	14.6	15.5	37.3
	Hydrogel 5.0	17.2	15.1	15.8	40.0
Zero tillage + Residues (4t/ha)	Control	14.8	14.0	14.6	36.0
	Hydrogel 2.5	17.0	15.2	15.3	37.1
	Hydrogel 5.0	17.5	15.4	16.2	41.2
Location mean		16.2	14.6	15.2	37.8
C.D.(5%) AiBj-AiBk		0.9	0.8	1.4	6.7
C.D.(5%) AiBk-AjBk		1.2	1.0	1.5	6.4
F(5%)		NS	NS	NS	NS
Conventional Tillage		15.8	14.4	15.0	37.5
Conventional Tillage + Mulching		16.3	14.8	15.3	37.8
Zero tillage		16.1	14.6	15.2	37.7
Zero tillage + Residues (4t/ha)		16.4	14.8	15.4	38.1
C.D.(5%) Ai-Aj		0.9	0.8	1.1	3.3
C.V.(%) Error A		4.7	4.7	6.0	7.5
F(5%)		NS	NS	NS	NS
Control		14.5	14.0	14.3	35.8
Hydrogel 2.5 (kg/ha)		16.6	14.8	15.3	37.2
Hydrogel 5.0 (kg/ha)		17.3	15.2	16.0	40.4
C.D.(5%)Bi-Bj		0.5	0.4	0.7	3.4
C.V.(%)ErrorB		3.3	3.3	5.2	10.3
F(5%)		S	S	S	S

Table 43: Enhancing water - use efficiency in rainfed maize in Godhra.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha) at harvest	Days to 50% silking	Days to maturity (75% dry husk)
Conventional till	Control	5265	6781	6473	71.3	53.7	83.3
	Hydrogen 2.5	5071	6570	6287	67.1	52.0	83.3
	Hydrogen 5.0	5441	7028	6605	76.5	50.3	79.0
Convention Till + Mulching	Control	6190	7778	7601	71.8	51.7	80.3
	Hydrogen 2.5	5855	7443	7337	77.4	50.3	83.0
	Hydrogen 5.0	6032	7787	7443	72.3	51.7	79.3
Zero Tillage	Control	4665	6164	5591	58.4	54.7	85.7
	Hydrogen 2.5	5071	6481	6129	68.2	53.3	82.0
	Hydrogen 5.0	4965	6367	6032	66.5	53.3	83.7
Zero Tillage + Residue	Control	4709	6190	5608	62.8	54.7	86.0
	Hydrogen 2.5	4806	6129	5988	70.5	51.3	81.7
	Hydrogen 5.0	4656	5979	5891	73.0	53.3	84.3
Location mean		5227.1	6724.7	6415.3	69.6	52.5	82.6
C.D.(5%) AiBj-AiBk		655.3	550.7	800.9	13.6	2.0	4.0
C.D.(5%) AiBk-AjBk		790.0	761.1	960.2	17.3	2.5	4.8
F(5%)		NS	NS	NS	NS	NS	NS
Conventional till		5259	6793	6455	71.6	52.0	81.9
Convention Till + Mulching		6026	7669	7460	73.8	51.2	80.9
Zero Tillage		4900	6337	5917	64.3	53.8	83.8
Zero Tillage + Residue		4724	6099	5829	68.8	53.1	84.0
C.D. (5%) Ai-Aj		584.0	616.3	706.5	13.3	1.9	3.5
C.V. (%) Error A		9.7	7.9	9.5	16.6	3.2	3.7
F (5%)		S	S	S	NS	NS	NS
Control		5207	6728	6318	66.1	53.7	83.8
Hydrogel 2.5 (kg/ha)		5201	6656	6435	70.8	51.8	82.5
Hydrogel 5.0 (kg/ha)		5273	6790	6493	72.1	52.2	81.6
C.D. (5%) Bi-Bj		327.6	275.3	400.5	6.8	1.0	2.0
C.V. (%) ErrorB		7.2	4.7	7.2	11.3	2.2	2.8
F (5%)		NS	NS	NS	NS	S	NS

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Tillage practices	Hydrogel (kg/ha)	Cob length (cm)	Cob girth (cm)	1000 seed wt (g)	Net returns (Rs/ha)	BC ratio
Conventional till	Control	19.3	14.7	336.7	81794	4.32
	Hydrogen 2.5	19.8	14.3	336.7	73654	3.53
	Hydrogen 5.0	18.9	14.1	316.7	76601	3.28
Convention Till + Mulching	Control	19.7	14.5	326.7	88034	3.40
	Hydrogen 2.5	19.0	14.4	326.7	76843	2.87
	Hydrogen 5.0	20.2	14.5	323.3	76348	2.67
Zero Tillage	Control	18.8	14.2	330.0	75721	5.02
	Hydrogen 2.5	18.4	13.9	323.3	79204	4.39
	Hydrogen 5.0	17.5	14.3	340.0	72657	3.60
Zero Tillage + Residue	Control	17.7	14.2	300.0	76687	5.07
	Hydrogen 2.5	18.2	14.2	316.7	73859	4.16
	Hydrogen 5.0	18.5	14.0	296.7	66258	3.37
Location mean		18.8	14.3	322.8	76471.7	3.81
C.D.(5%) AiBj-AiBk		1.4	0.8	31.6		
C.D.(5%) AiBk-AjBk		1.5	0.7	37.7		
F(5%)		NS	NS	NS		

Conventional till	19.4	14.4	330.0	77350	3.71
Convention Till + Mulching	19.6	14.5	325.6	80408	2.98
Zero Tillage	18.2	14.1	331.1	75861	4.34
Zero Tillage + Residue	18.1	14.1	304.4	72268	4.20
C.D. (5%) Ai-Aj	1.0	0.1	27.6		
C.V. (%) Error A	4.8	0.6	7.4		
F (5%)	S	S	NS		

Control	18.9	14.4	323.3	80559	4.45
Hydrogel 2.5 (kg/ha)	18.8	14.2	325.8	75890	3.74
Hydrogel 5.0 (kg/ha)	18.8	14.2	319.2	72966	3.23
C.D. (5%) Bi-Bj	0.7	0.4	15.8		
C.V. (%) ErrorB	4.2	3.2	5.7		
F (5%)	NS	NS	NS		

Table 44: Enhancing water use efficiency in rainfed maize in Udaipur.

Tillage practices	Hydrogel (kg/ha)	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity
Conventional till	Control	4223	6327	63.3	195.5	46.3	50.7	96.7
	Hydro 2.5	4123	6181	63.9	196.9	47.0	51.3	95.7
	Hydro 5.0	4233	6347	63.7	195.4	47.0	51.3	95.3
Convention Till + Mulching	Control	4537	6982	63.6	200.2	47.0	51.3	96.0
	Hydro 2.5	4547	7008	63.8	200.4	47.0	51.3	95.7
	Hydro 5.0	4643	7149	63.9	202.6	48.0	52.7	96.0
Zero Tillage	Control	4720	7357	63.9	203.8	47.3	51.7	95.0
	Hydro 2.5	4637	7225	63.6	202.9	47.3	52.0	94.3
	Hydro 5.0	4667	7280	64.0	203.1	47.3	51.3	94.0
Zero Tillage + Residue (4t/ha)	Control	5127	8195	63.6	207.4	47.0	52.0	94.0
	Hydro 2.5	5160	8252	64.0	207.5	46.7	51.3	94.7
	Hydro 5.0	5157	8192	63.1	206.6	47.3	52.0	95.7
Location mean		4647.8	7207.9	63.7	201.9	47.1	51.6	95.3
C.D.(5%) AiBj-AiBk		524.2	832.9	2.0	7.7	1.8	2.1	3.5
C.D.(5%) AiBk-AjBk		649.8	1021.7	2.6	23.4	1.9	2.6	4.5
F(5%)		NS	NS	NS	NS	NS	NS	NS
Conventional till		4193	6285	63.6	195.9	46.8	51.1	95.9
Convention Till + Mulching		4576	7046	63.8	201.1	47.3	51.8	95.9
Zero Tillage		4674	7288	63.8	203.3	47.3	51.7	94.4
Zero Tillage + Residue (4t/ha)		5148	8213	63.6	207.2	47.0	51.8	94.8
C.D.(5%) Ai-Aj		491.1	766.0	2.0	22.6	1.3	1.9	3.5
C.V.(%) Error A		9.2	9.2	2.8	9.7	2.3	3.2	3.2
F(5%)		S	S	NS	NS	NS	NS	NS
Control		4652	7215	63.6	201.7	46.9	51.4	95.4
Hydro 2.5 (kg/ha)		4617	7167	63.8	201.9	47.0	51.5	95.1
Hydro 5.0 (kg/ha)		4675	7242	63.7	201.9	47.4	51.8	95.3
C.D.(5%)Bi-Bj		262.1	416.4	1.0	3.9	0.9	1.1	1.8
C.V.(%)ErrorB		6.5	6.7	1.8	2.2	2.2	2.4	2.1
F(5%)		NS	NS	NS	NS	NS	NS	NS

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Tillage practices	Hydrogel (kg/ha)	Cob length (cm)	Cob girth (cm)	Net returns (Rs/ha)	BC ratio
Conventional till	Control	18.1	16.1	43133	2.14
	Hydro 2.5	18.0	16.1	40392	1.88
	Hydro 5.0	18.1	16.1	40794	1.80
Convention Till + Mulching	Control	18.5	16.2	46204	2.08
	Hydro 2.5	18.5	16.3	45127	1.92
	Hydro 5.0	18.3	16.3	45318	1.83
Zero Tillage	Control	18.6	16.5	53255	2.94
	Hydro 2.5	18.5	16.6	50740	2.62
	Hydro 5.0	18.7	16.6	49961	2.43
Zero Tillage + Residue (4t/ha)	Control	19.1	16.8	57809	2.88
	Hydro 2.5	19.1	16.9	57073	2.67
	Hydro 5.0	19.1	17.0	55665	2.46
Location mean		18.6	16.5	48789.2	2.30
C.D.(5%) AiBj-AiBk		0.6	0.9	7953.8	0.39
C.D.(5%) AiBk-AjBk		0.8	1.1	9838.1	0.47
F(5%)		NS	NS	NS	NS

Conventional till	18.1	16.1	41440	1.94
Convention Till + Mulching	18.5	16.3	45549	1.95
Zero Tillage	18.6	16.5	51319	2.66
Zero Tillage + Residue (4t/ha)	19.1	16.9	56849	2.67
C.D.(5%) Ai-Aj	0.6	0.9	7423.6	0.34
C.V.(%) Error A	2.7	4.5	13.2	13.0
F(5%)	S	NS	S	S

Control	18.6	16.4	50100	2.51
Hydro 2.5 (kg/ha)	18.5	16.5	48333	2.28
Hydro 5.0 (kg/ha)	18.5	16.5	47934	2.13
C.D.(5%)Bi-Bj	0.3	0.4	3976.9	0.19
C.V.(%)ErrorB	1.9	3.0	9.4	9.7
F(5%)	NS	NS	NS	S

Table 45: Optimization of potassium fertilizer for Eastern India in Dholi.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Ear height (cm)
T_1	4441	11283	10400	74.4	68.7	236.3	126.7
T_2	4940	12110	11000	78.4	70.9	236.0	125.0
T_3	5294	11638	10963	72.9	71.6	229.7	123.3
T_4	5811	14183	12800	70.9	73.3	229.3	123.3
T_5	6165	15267	13200	76.0	78.2	227.3	127.7
T_6	5928	14436	12963	75.6	76.4	228.3	126.0
Mean	5429.9	13152.8	11887.8	74.7	73.2	231.2	125.3
CD	481.7	197.6	541.3	10.2	2.0	14.8	12.9
CV (%)	4.9	0.8	2.5	7.5	1.5	3.5	5.7
Significance	S	S	S	NS	S	NS	NS

Treatments	Days of 50% tasseling	Days of 50% silking	Days of maturity	Cob length (cm)	Cob girth (cm)	Net Return (Rs./ha)	BC Ratio	Moisture (%)
T_1	54.3	58.3	92.0	16.4	14.5	27732	1.69	26.2
T_2	54.3	59.0	93.0	16.5	14.4	34713	1.84	29.0
T_3	57.7	60.3	92.3	17.8	14.1	39027	1.94	27.0
T_4	58.0	60.0	92.0	15.8	14.2	45101	2.05	24.6
T_5	56.0	58.7	91.7	18.6	14.5	50781	2.24	23.6
T_6	57.0	60.7	91.3	17.6	14.5	47043	2.03	21.4
Mean	56.2	59.5	92.1	17.1	14.4	40732.8	1.97	25.3
CD	3.0	2.7	2.8	0.7	1.0	2071.4	0.10	
CV (%)	2.9	2.5	1.7	2.2	3.9	2.8	2.8	
Significance	NS	NS	NS	S	NS	S	S	

Table 46: Optimization of potassium fertilization in Eastern India in Kalyani.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	6510	8820	80.3	78.2	267.0	56.0	59.0	29.0	48062	2.01
T_2	7350	9498	80.8	79.3	277.7	56.7	59.3	31.0	58690	2.21
T_3	7538	9550	81.5	80.6	286.7	55.7	58.3	31.7	60245	2.22
T_4	10139	11944	82.5	81.8	295.0	54.7	57.3	35.3	95451	2.90
T_5	8021	10112	81.2	80.5	282.0	55.7	58.3	31.7	65566	2.29
T_6	8476	10345	81.9	81.0	284.3	54.7	58.7	32.0	70690	2.37
Mean	8005.7	10044.6	81.4	80.3	282.1	55.6	58.5	31.8	66450.5	2.33
CD	1569.9	1460.7	2.1	2.0	13.5	1.5	2.0	3.0	21604.4	0.44
CV (%)	10.8	8.0	1.4	1.4	2.6	1.5	1.9	5.2	17.9	10.4
Significance	S	S	NS	S	S	NS	NS	S	S	S

Treatments	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	Total uptake (kg/ha)		
					N	P	K
T_1	12.2	12.5	12.1	23.3	159.7	35.4	125.9
T_2	13.8	13.1	13.4	24.6	182.3	37.4	147.7
T_3	13.5	13.0	13.5	26.3	175.0	45.4	142.6
T_4	15.3	13.9	14.6	32.4	260.7	68.2	208.0
T_5	14.3	13.1	14.5	28.9	207.4	60.6	184.0
T_6	15.2	13.3	14.5	29.1	186.0	51.7	168.7
Mean	14.1	13.1	13.7	27.5	195.2	49.8	162.8
CD	3.4	1.3	2.3	4.7	23.7	7.0	23.1
CV (%)	13.4	5.6	9.2	9.4	6.7	7.7	7.8
Significance	NS	NS	NS	S	S	S	S

Table 47: Optimization of potassium fertilization for eastern India in Ranchi.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Cob length (cm)	Cob breadth (cm)	Grains row/ cob	Grains/ row
T_1	5389	10896	8001	64.1	62.0	243.2	16.4	12.9	12.2	31.9
T_2	6284	12083	9123	65.4	63.4	256.1	17.8	13.5	12.8	34.3
T_3	6893	12850	9911	67.3	65.9	263.2	18.8	13.9	13.2	35.9
T_4	7216	13167	10303	68.4	67.1	267.9	19.2	14.1	13.3	37.0
T_5	7379	13375	10506	68.0	67.0	270.1	19.3	14.2	13.4	37.6
T_6	7429	13500	10565	66.3	65.5	271.5	19.4	14.3	13.5	37.8
Mean	6764.9	12645.1	9734.9	66.6	65.1	262.0	18.5	13.8	13.1	35.8
CD	848.0	1617.8	1270.9	6.1	5.9	20.9	1.8	1.1	1.1	3.4
CV (%)	8.3	8.5	8.7	6.0	6.1	5.3	6.4	5.5	5.4	6.4
Significance	S	S	S	NS	NS	NS	S	NS	NS	S

Treatments	Grains/ cob	1000 grain weight (g)	Net return (Rs/ha)	B:C ratio	Uptake (kg/ha) by maize			Available Status (kg/ha)		
					N	P	K	N	P	K
T_1	420.2	304.8	44396	1.38	109.1	14.2	91.2	268.6	18.9	180.3
T_2	450.9	320.7	56423	1.73	123.5	15.9	106.0	261.7	18.6	182.8
T_3	473.4	330.9	64466	1.95	133.1	17.0	115.9	256.4	18.2	184.4
T_4	489.0	337.3	68488	2.04	137.1	17.4	120.4	252.5	17.9	187.4
T_5	494.3	340.3	70294	2.06	139.3	17.6	123.2	250.3	17.7	190.7
T_6	497.5	341.8	70540	2.04	139.9	17.6	124.5	250.0	17.4	193.1
Mean	470.9	329.3	62434.5	1.87	130.3	16.6	113.6	256.6	18.1	186.4
CD	44.8	26.3	11871.4	0.35	13.1	1.8	12.9	20.4	1.4	14.4
CV (%)	6.3	5.3	12.6	12.5	6.7	7.3	7.5	5.3	5.1	5.1
Significance	S	NS	S	S	S	S	S	NS	NS	NS

Table 48: Optimization of potassium fertilization for eastern India in Ambikapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	4145	7140	65.8	59.8	194.9	54.0	57.0	28.8	33408	1.24
T_2	5214	10887	65.0	61.2	240.5	53.3	56.3	29.5	48627	1.73
T_3	5914	12612	66.0	63.8	245.0	52.3	55.3	29.9	58157	2.01
T_4	6469	13544	65.3	64.3	246.2	51.5	54.5	30.1	64723	2.13
T_5	6464	14175	65.5	64.5	256.8	51.5	54.5	30.3	63775	2.03
T_6	6499	13998	65.8	65.3	252.7	51.3	54.3	30.3	62760	1.91
Mean	5783.8	12059.4	65.6	63.2	239.3	52.3	55.3	29.8	55241.8	1.84
CD	717.9	1435.9	1.8	1.5	6.2	1.1	1.1	1.5	10477.0	0.35
CV (%)	8.2	7.9	1.8	1.6	1.7	1.4	1.3	3.3	12.6	12.6
Significance	S	S	NS	S	S	S	S	NS	S	S

Treatments	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T_1	9.1	17.1	13.3	13.6	31.6
T_2	5.9	19.1	14.1	14.0	33.3
T_3	3.3	19.9	14.4	14.4	35.7
T_4	1.5	20.3	14.7	14.9	37.5
T_5	1.5	20.5	14.8	15.1	38.3
T_6	0.8	20.6	14.8	15.1	39.0
Mean	3.7	19.6	14.3	14.5	35.9
CD	3.4	1.2	0.8	0.5	2.1
CV (%)	61.6	4.1	3.9	2.5	3.9
Significance	S	S	S	S	S

Treatment details:	Potassium (kg/ha)
T_1	**0**
T_2	**30**
T_3	**60**
T_4	**90**
T_5	**120**
T_6	**150**

Table 49: Ecological intensification for climate resilient maize based cropping systems in Bajaura.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	5443	8365	104.2	85.7	222.7	54.3	56.3	25.3
T_2	9756	13262	79.5	77.8	210.7	58.0	60.0	28.7
T_3	8914	12064	79.0	76.0	198.7	58.0	60.0	26.7
T_4	3122	4977	73.8	62.7	156.0	62.0	64.0	24.0
T_5	6246	9544	111.6	91.1	218.0	53.7	55.7	25.3
T_6	9611	13255	77.8	74.8	208.0	58.0	60.0	29.3
T_7	5944	7877	81.7	78.5	209.7	58.0	60.0	26.0
T_8	9730	13435	81.2	77.8	207.7	58.0	60.0	28.7
Mean	7346.0	10347.5	86.1	78.1	203.9	57.5	59.5	26.8
CD	995.1	1596.9	7.9	7.0	13.5	1.1	1.1	3.4
CV (%)	7.7	8.8	5.3	5.1	3.8	1.1	1.0	7.2
Significance	S	S	S	S	S	S	S	S

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Grain rows/cob	Grains/row
T_1	45242	1.85	18.0	12.0	12.7	30.3
T_2	118544	3.18	4.3	14.1	14.0	32.3
T_3	109518	3.27	4.4	13.6	13.0	30.0
T_4	10679	1.23	15.0	11.1	12.3	24.7
T_5	57054	2.02	18.5	12.4	13.0	30.0
T_6	116355	3.14	5.6	14.0	13.7	30.7
T_7	51585	1.97	4.5	12.3	12.7	29.0
T_8	119500	3.24	5.8	13.7	13.3	30.7
Mean	78559.7	2.49	9.5	12.9	13.1	29.7
CD	18051.6	0.34	4.8	0.9	1.0	2.7
CV (%)	13.1	7.9	28.7	4.1	4.5	5.2
Significance	S	S	S	S	NS	S

Table 50: Ecological intensification for climate resilient maize based cropping systems in Imphal.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	3954	6121	54.9	56.6	206.9	61.7	65.0	32.6
T_2	9700	14277	65.0	67.7	247.1	56.7	58.7	40.4
T_3	6851	9976	57.9	54.5	230.7	56.3	58.7	38.6
T_4	4643	6301	53.2	49.9	198.5	62.0	65.7	33.0
T_5	5929	8080	60.9	62.9	314.8	57.0	59.3	30.1
T_6	9156	13633	63.9	64.6	243.8	56.7	58.7	40.1
T_7	6701	8835	56.6	55.2	216.7	57.0	58.7	34.8
T_8	8559	11577	61.3	60.6	237.9	57.3	59.7	37.8
Mean	6936.6	9850.2	59.2	59.0	237.1	58.1	60.5	35.9
CD	1431.7	2078.6	5.5	5.4	20.9	1.0	1.3	1.8
CV (%)	11.8	12.0	5.3	5.2	5.0	0.9	1.2	2.9
Significance	S	S	S	S	S	S	S	S

Treatments	Net return (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T_1	41960	1.64	17.1	14.7	12.9	30.0
T_2	120423	2.74	23.1	19.1	14.3	38.1
T_3	74530	1.80	18.9	15.6	13.9	36.1
T_4	45090	1.39	14.8	14.7	12.6	25.9
T_5	66614	2.05	19.5	19.4	13.6	34.5
T_6	111514	2.54	22.4	19.7	13.2	37.2
T_7	70319	1.71	16.8	16.6	12.8	31.4
T_8	100495	2.37	19.4	19.1	13.7	37.0
Mean	78868.2	2.03	19.0	17.3	13.4	33.8
CD	23468.2	0.60	3.6	3.3	1.8	4.5
CV (%)	17.0	17.0	10.7	10.7	7.7	7.6
Significance	S	S	S	S	NS	S

Table 51: Ecological intensification for climate resilient maize based cropping systems in Srinagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	3877	9255	140.4	86.0	166.0	71.3	77.0	20.4
T_2	6899	15429	82.8	100.9	222.3	90.3	94.0	24.6
T_3	6220	14558	82.7	98.2	230.3	86.0	89.7	24.6
T_4	5118	13565	82.6	96.2	240.3	85.7	90.3	24.9
T_5	4094	10638	130.3	91.1	175.7	67.0	72.3	20.3
T_6	5884	14299	82.7	99.3	240.7	90.0	94.0	24.9
T_7	4852	13860	82.9	98.0	245.0	87.0	91.3	24.2
T_8	5574	14252	82.8	99.4	223.7	88.3	92.7	25.0
Mean	5314.7	13232.0	95.9	96.1	218.0	83.2	87.7	23.6
CD	367.4	582.4	3.5	2.8	14.7	3.7	3.3	1.8
CV (%)	3.9	2.5	2.1	1.6	3.9	2.5	2.1	4.4
Significance	S	S	S	S	S	S	S	S

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row
T_1	55848	0.63	30.7	15.7	9.6	8.0	24.3
T_2	142588	2.89	10.5	22.6	14.1	14.1	46.6
T_3	137041	2.87	11.2	20.2	12.2	10.9	35.1
T_4	117184	2.77	11.0	20.4	13.9	11.7	41.3
T_5	60518	0.77	32.6	17.0	9.0	8.8	25.0
T_6	132793	2.40	11.2	21.2	11.0	10.4	40.6
T_7	112556	2.52	11.5	21.4	13.9	13.9	45.5
T_8	121952	2.60	11.7	20.9	12.3	13.4	42.6
Mean	110060.0	2.18	16.3	19.9	12.0	11.4	37.6
CD	4593.9	0.14	1.8	2.7	2.0	2.5	3.7
CV (%)	2.4	3.7	6.2	7.8	9.6	12.3	5.5
Significance	S	S	S	S	S	S	S

Table 52: Ecological intensification for climate resilient maize based cropping systems in Karnal.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ ha)	Cobs ('000/ ha)	Plant height (cm)	Days 50% tasselin g	Days 50% silking	Days to maturit y	100-seed weight (g)	Net returns (Rs./ ha)	B:C ratio
T_1	7596	11009	69.9	70.4	191.0	51.3	53.3	85.3	28.8	75959	2.94
T_2	8448	11749	70.0	70.8	200.3	51.7	53.7	85.7	30.3	88604	3.25
T_3	8063	10781	70.0	70.7	189.0	55.3	58.0	85.7	27.7	82891	3.11
T_4	3849	7613	68.4	59.3	165.7	57.7	62.0	88.0	19.2	16968	1.40
T_5	4214	14724	97.7	58.8	201.0	51.0	55.0	88.7	19.3	22397	1.53
T_6	6269	10952	67.8	67.5	181.0	54.7	56.7	86.0	24.9	52905	2.25
T_7	1555	3407	23.0	39.7	132.0	58.0	61.0	86.7	18.7	-13750	0.64
T_8	5771	10655	68.1	60.1	179.3	52.7	54.7	85.7	28.3	48858	2.25
Mean	5720.8	10111.1	66.9	62.1	179.9	54.0	56.8	86.5	24.7	46853.9	2.17
CD	582.6	964.9	3.8	5.1	12.2	1.3	1.8	1.1	2.5	8652.1	0.21
CV (%)	5.8	5.4	3.2	4.7	3.9	1.3	1.8	0.7	5.8	10.5	5.6
Significance	S	S	S	S	S	S	S	S	S	S	S

Table 53: Ecological intensification for climate resilient maize based cropping systems in Ludhiana.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (gm)	Net returns (Rs./ha)	BC ratio
T_1	5954	8851	73.7	71.6	192.0	58.7	60.7	26.7	52506	1.24
T_2	6255	9335	78.6	78.6	201.3	58.3	60.3	27.4	56519	1.30
T_3	6034	9012	74.9	73.5	198.7	59.0	61.0	26.9	53000	1.22
T_4	3825	5101	68.5	67.2	165.0	61.7	64.3	21.0	22059	0.58
T_5	4458	5689	71.2	68.9	180.0	59.3	61.7	24.7	26710	0.62
T_6	4976	6392	73.9	70.6	183.7	61.0	63.3	21.4	35407	0.83
T_7	3057	4029	68.0	66.1	142.3	59.7	62.3	19.1	5303	0.12
T_8	5464	7856	73.3	71.2	189.7	59.0	61.0	26.7	44786	1.06
Mean	5003.0	7032.9	72.8	71.0	181.6	59.6	61.8	24.2	37036.3	0.87
CD	952.0	1098.3	4.7	4.9	33.2	2.4	2.3	2.5	14741.2	0.35
CV (%)	10.9	8.9	3.7	3.9	10.4	2.3	2.1	6.0	22.7	22.7
Significance	S	S	S	S	S	NS	S	S	S	S

Table 54: Ecological intensification for climate resilient maize wheat cropping system in Pantnagar.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Plant population (000'/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity	Cob length (cm)	100 grain weight (g)
T_1	5321	8113	76.7	76.9	189.9	49.3	52.0	102.3	15.9	29.5
T_2	5765	9463	79.3	81.6	192.0	48.0	50.7	104.0	16.7	31.2
T_3	5595	8645	76.4	77.3	190.0	49.0	51.3	100.7	16.2	30.8
T_4	3615	5372	74.4	72.7	183.2	50.3	54.0	98.3	15.0	22.4
T_5	5055	7684	71.6	72.4	187.3	49.0	51.7	99.3	15.8	26.5
T_6	4002	6444	70.2	68.0	185.0	49.7	53.0	98.7	15.2	24.8
T_7	4301	6889	71.3	71.8	185.7	48.7	51.7	99.3	15.4	25.5
T_8	5152	8049	72.2	71.8	187.8	48.3	51.0	100.3	15.8	27.9
Mean	4850.7	7582.4	74.0	74.1	187.6	49.0	51.9	100.4	15.8	27.3
CD	445.9	525.9	5.2	4.7	5.9	1.4	2.1	0.9	0.7	1.8
CV (%)	5.2	4.0	4.0	3.6	1.8	1.6	2.3	0.5	2.5	3.7
Significance	S	S	S	S	N.S.	N.S.	N.S.	S	S	S

Treatment	Net return (`/ha)	B:C ratio	Total N uptake (kg/ha)	Total P uptake (kg/ha)	Total K uptake (kg/ha)	Narrow leaves weeds/m2	Broad leaves/m2	Sedges/m2
T_1	62935	2.39	138.6	25.0	65.6	19.7	8.3	25.3
T_2	66637	2.12	153.7	27.7	72.7	12.7	5.0	8.7
T_3	65435	2.21	143.8	25.9	68.0	16.7	8.7	16.0
T_4	34678	1.29	96.6	14.5	41.4	13.3	9.7	18.7
T_5	54967	1.77	128.6	23.2	60.8	18.3	6.3	37.0
T_6	37554	1.23	105.4	19.0	49.9	12.7	6.3	28.7
T_7	43151	1.44	140.0	20.4	53.4	22.7	14.0	53.7
T_8	55638	1.74	133.2	24.0	63.1	17.3	10.3	38.7
Mean	52624.3	1.77	130.0	22.5	59.4	16.7	8.6	28.3
CD	3845.3	0.12	27.9	1.9	3.5	3.4	3.1	4.4
CV (%)	4.2	4.0	12.3	4.7	3.3	11.5	20.4	8.9
Significance	S	S	S	S	S	S	S	S

Treatment	pH	Electrical conductivity (dS/m)	Organic C (%)	Available N (kg/ha)	Available P (kg/ha)	Available K (kg/ha)
T_1	7.1	0.137	0.863	182.0	21.7	151.8
T_2	7.2	0.150	0.923	184.8	23.9	157.1
T_3	7.2	0.133	0.893	181.8	22.6	152.4
T_4	7.1	0.137	0.850	178.4	20.2	152.1
T_5	7.1	0.143	0.887	180.7	20.5	153.6
T_6	7.2	0.170	0.843	184.1	22.4	155.8
T_7	7.1	0.140	0.893	178.6	21.3	154.3
T_8	7.1	0.130	0.883	184.0	21.7	155.1
Mean	7.1	0.143	0.880	181.8	21.8	154.0
CD	0.1	0.023	0.084	7.1	3.0	5.2
CV (%)	0.9	9.3	5.5	2.2	7.9	1.9
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Table 55: Ecological intensification for climate resilient maize based cropping systems (Rice-Maize) in Bhubaneswar.

Treatment	Grain yield of rice (kg/ha)	Straw yield (kg/ha)	Effective tillers/m^2	Days to maturity	Grains/ panicle	1000-grain weight (g)	Net return (Rs./ha)	B:C ratio
T_1	3402	4713	208.7	117.0	174.7	22.2	26242	1.69
T_2	4469	6558	237.7	115.0	212.3	23.4	39771	1.88
T_3	4043	5966	219.3	115.7	192.3	22.6	34613	1.82
T_4	3291	4669	199.0	117.0	165.7	22.5	22997	1.59
T_5	3478	4895	212.3	116.3	201.0	22.4	26766	1.69
T_6	4016	5737	223.0	116.3	200.3	22.9	33011	1.77
T_7	3400	4658	205.0	117.0	174.0	21.9	25135	1.64
T_8	3691	4763	218.0	118.0	203.0	22.6	27308	1.65
Mean	3723.7	5244.9	215.4	116.5	190.4	22.5	29480.4	1.72
CD	159.1	351.1	8.2	1.7	15.1	0.6	3050.0	0.08
CV (%)	2.4	3.8	2.2	0.9	4.5	1.5	5.9	2.5
Significance	S	S	S	NS	S	S	S	S

Table 56: Ecological intensification for climate resilient rice-maize cropping system in Dholi.

Treatments	Grain yield of rice (kg/ha)	Stalk yield (kg/ha)	Days of flowering	Days of maturity	Plant height (cm)	Ear height (cm)
T_1	2520	1827	101.7	138.7	59.6	27.8
T_2	2566	1680	100.3	139.0	59.7	25.6
T_3	2762	1600	101.3	139.7	60.2	25.3
T_4	2722	2207	97.7	139.0	61.0	27.2
T_5	3215	2507	98.3	139.3	61.7	27.3
T_6	3232	2207	100.3	139.0	62.3	27.9
T_7	3255	1867	100.3	140.3	59.7	25.9
T_8	2890	1933	100.0	138.7	59.4	25.7
Mean	2895.0	1978.3	100.0	139.2	60.5	26.6
CD	472.7	104.0	3.1	2.7	2.6	1.8
CV (%)	9.3	3.0	1.8	1.1	2.4	3.8
Significance	S	S	NS	NS	NS	S

Table 57: Ecological Intensification for climate resilient maize based cropping system in Chitrakoot.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield ('000/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	Days to maturity
T_1	3001	5734	10326	74.1	74.1	152.3	50.3	63.0	78.0
T_2	3633	7407	11108	73.7	73.7	187.3	49.3	64.0	77.7
T_3	2595	5463	8798	66.6	66.6	166.3	49.3	62.0	77.7
T_4	2672	6481	8965	64.8	64.8	182.5	48.7	63.0	77.7
T_5	3450	7109	10532	75.8	75.8	158.0	50.3	64.0	77.7
T_6	2772	6790	7442	57.4	57.4	182.6	49.3	62.0	77.7
T_7	2942	6944	8322	61.1	61.1	177.0	48.7	62.0	77.7
T_8	2927	7315	8359	61.1	61.1	186.7	48.7	65.0	77.7
Mean	2999.2	6655.4	9231.4	66.8	66.8	174.1	49.3	63.1	77.7
CD	657.5	1185.4	2367.8	17.2	17.2	31.7	2.1	2.2	1.2
CV (%)	12.5	10.2	14.6	14.7	14.7	10.4	2.4	2.0	0.9
Significance	S	S	NS	NS	NS	NS	NS	NS	NS

Treatments	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio	1000 seed weight (g)	Weeds population (per m2) at 20 DAS	Weed dry weight at 20 DAS
T_1	20.0	46408	3.40	200.0	110.0	18.3
T_2	20.0	52346	2.89	200.0	151.7	27.5
T_3	15.6	29663	2.07	153.3	144.7	11.9
T_4	15.6	35276	2.45	153.3	128.3	40.5
T_5	19.3	51909	2.79	193.3	146.7	24.6
T_6	17.4	34524	2.24	173.3	146.7	23.7
T_7	16.2	41527	2.74	160.0	145.7	13.1
T_8	16.8	43718	2.71	166.7	138.3	36.4
Mean	17.6	41921.2	2.66	175.0	139.0	24.5
CD	2.0	12469.8	0.51	22.2	21.1	22.2
CV (%)	6.5	17.0	10.9	7.3	8.6	51.7
Significance	S	S	S	S	S	NS

Table 58: Ecological intensification for climate resilient maize based cropping system (Performance of Rice) in Kalyani.

Treatments	Grain yield of rice (kg/ha)	Stover yield (kg/ha)	Days to flowering	Days to maturity	Grains/ panicle	1000-grain weight (g)	Effective tillers/m^2	Net returns (Rs./ha)	B:C ratio
T_1	4152	6111	72.7	102.7	189.3	19.3	203.7	50443	2.13
T_2	5890	8093	72.0	102.3	235.0	29.7	286.7	87619	2.89
T_3	4267	6295	72.0	102.3	204.3	21.3	239.0	51964	2.13
T_4	4066	6029	72.0	103.3	166.7	19.3	202.0	48019	2.06
T_5	4267	6262	72.7	104.0	209.0	20.0	211.3	51540	2.11
T_6	4934	6996	73.7	103.3	233.3	26.7	257.0	66519	2.44
T_7	4463	6519	71.7	102.0	221.7	28.0	254.7	56437	2.23
T_8	4843	6854	72.7	104.0	224.0	28.7	253.7	65209	2.44
Mean	4610.3	6645.0	72.4	103.0	210.4	24.1	238.5	59718.7	2.30
CD	924.7	647.9	2.1	2.8	40.7	3.4	21.6	19581.4	0.42
CV (%)	11.5	5.6	1.7	1.5	11.0	8.2	5.2	18.7	10.5
Significance	S	S	NS	NS	S	S	S	S	S

Treatments	pH of Soil after rice harvest	Organic carbon (%) after rice	Available soil (kg/ha)			Total uptake (kg/ha)		
			N	P	K	N	P	K
T_1	6.9	0.493	145.0	25.7	174.7	93.3	32.7	135.0
T_2	7.3	0.680	228.7	37.7	265.7	123.7	40.3	170.5
T_3	7.3	0.513	144.3	27.7	229.7	108.0	34.0	152.3
T_4	7.1	0.463	135.0	19.7	173.3	89.7	32.4	134.4
T_5	7.3	0.500	186.3	28.7	221.3	102.7	32.7	138.7
T_6	7.2	0.550	184.7	29.3	231.3	109.2	35.0	152.5
T_7	6.7	0.510	187.7	29.3	230.0	101.7	32.9	141.6
T_8	7.2	0.583	200.0	30.0	209.7	100.7	33.3	137.6
Mean	7.1	0.537	176.5	28.5	217.0	103.6	34.2	145.3
CD	0.4	0.048	22.0	4.2	25.4	16.1	4.6	17.4
CV (%)	3.3	5.1	7.1	8.4	6.7	8.9	7.7	6.9
Significance	NS	S	S	S	S	S	S	S

Table 59: Ecological intensification for climate resilient maize based cropping systems in Ranchi.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Net return (Rs./ha)	B:C ratio	Cob length (cm)	Cob girth (cm)
T_1	4206	7833	5319	53.1	51.5	237.1	28408	0.96	17.2	13.5
T_2	6283	9569	7660	66.7	64.2	225.2	51932	1.53	19.7	15.2
T_3	5736	9007	7083	68.9	65.8	212.6	47957	1.57	18.9	14.8
T_4	5444	8625	6749	66.0	62.9	213.8	41677	1.27	18.4	14.4
T_5	4708	8125	5917	53.5	52.1	237.2	30193	0.88	17.5	13.8
T_6	6213	9500	7583	67.1	64.6	221.4	50992	1.50	19.6	15.2
T_7	4993	8208	6250	67.2	63.9	207.3	37003	1.18	18.0	14.2
T_8	6093	9326	7486	66.3	63.6	216.4	50541	1.54	19.3	15.0
Mean	5459.6	8774.3	6755.9	63.6	61.1	221.4	42337.9	1.30	18.6	14.5
CD	827.5	1379.2	1014.6	6.4	6.6	24.8	11213.8	0.36	2.0	1.4
CV (%)	8.7	9.0	8.6	5.8	6.2	6.4	15.1	15.7	6.1	5.3
Significance	S	NS	S	S	S	NS	S	S	NS	NS

Treatments	Grain/ row	Grains row/ cob	Grains/ cob	1000-grain weight (gm)	Total uptake (kg/ha)			Available (kg/ha) at harvest		
					N	P	K	N	P	K
T_1	26.7	13.2	352.9	314.2	93.4	14.4	89.4	283.0	18.3	175.6
T_2	35.8	14.9	451.3	339.1	132.7	20.7	118.5	271.6	17.8	178.5
T_3	32.2	14.4	426.3	329.4	120.7	18.7	108.8	267.3	17.6	169.8
T_4	31.0	14.2	411.4	326.3	110.3	17.2	99.9	280.3	18.1	184.1
T_5	28.4	13.6	371.0	315.6	102.8	15.9	95.8	281.7	18.2	172.7
T_6	34.9	14.7	443.2	336.3	130.8	20.4	116.9	273.6	17.9	179.7
T_7	30.0	13.8	392.6	325.1	104.7	16.0	96.0	278.5	18.1	183.0
T_8	33.9	14.6	438.4	333.7	127.9	19.9	114.4	275.9	18.0	186.2
Mean	31.6	14.2	410.9	327.5	115.4	17.9	105.0	276.5	18.0	178.7
CD	4.2	1.3	55.6	33.7	17.3	2.8	16.4	25.6	1.6	17.4
CV (%)	7.6	5.1	7.7	5.9	8.6	8.8	8.9	5.3	5.1	5.6
Significance	S	NS	S	NS	S	S	S	NS	NS	NS

Table 60: Ecological intensification for climate resilient maize based cropping systems in Coimbatore.

Treatment	Grain yield of green gram (kg/ha)	Haulm yield (kg/ha)	Plant height (cm)	Pods/ plant	Seeds/ pod	100 seed weight (g)	Net returns (Rs. /ha)	B:C ratio	Weed density on 25 DAS - Grasses/ m²	Sedges/ m²	BLW/ m²
T_1	612	1534	43.6	24.1	6.2	3.6	16068	1.68	64.7	2.3	182.3
T_2	859	1976	49.3	29.1	7.6	4.0	25786	1.87	11.3	3.7	73.7
T_3	828	1903	47.2	27.9	7.3	3.9	23800	1.80	20.7	2.0	104.3
T_4	644	1604	44.8	24.8	6.6	3.6	12126	1.41	54.3	5.3	150.3
T_5	719	1667	45.4	26.1	7.0	3.7	18938	1.69	47.7	4.7	157.7
T_6	805	1854	46.7	27.4	7.3	3.8	22282	1.75	27.7	4.0	112.3
T_7	627	1568	43.9	24.4	6.3	3.6	11483	1.39	60.3	3.0	171.7
T_8	761	1757	46.3	26.7	7.1	3.8	19456	1.65	38.3	3.0	134.3
Mean	731.8	1732.9	45.9	26.3	6.9	3.7	18742.3	1.66	40.6	3.5	135.8
CD	117.1	405.6	8.4	4.6	1.1	0.8	7536.1	0.27	25.8	10.1	55.2
CV (%)	9.1	13.4	10.5	10.1	9.3	12.8	23.0	9.3	36.2	164.3	23.2
Significance	S	NS	NS	NS	NS	NS	S	S	S	NS	S

Table 61: Ecological intensification for climate resilient maize based cropping systems in Dharwad.

Treatment	Grain yield (kg/ha)	Stover yield (kg/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	6601	7545	82.4	192.1	45.3	50.3	31.2	73623	3.30
T_2	7592	8384	82.0	203.1	46.3	52.0	35.2	83469	3.20
T_3	6494	7307	79.1	196.2	46.0	51.3	30.8	68898	2.97
T_4	6514	7388	80.3	186.9	46.0	51.7	33.3	72220	3.26
T_5	7011	7939	80.0	196.0	46.3	52.0	32.6	80172	3.51
T_6	6371	7310	80.1	201.5	46.0	50.7	32.6	66939	2.91
T_7	5537	6840	78.9	200.7	46.3	52.3	32.0	56591	2.77
T_8	6031	7307	79.5	198.7	47.0	53.0	31.7	63499	2.92
Mean	6518.8	7502.5	80.3	196.9	46.2	51.7	32.4	70676.3	3.10
CD	735.2	745.4	5.6	15.0	3.1	2.6	3.0	11763.9	0.36
CV (%)	6.4	5.7	4.0	4.4	3.8	2.8	5.3	9.5	6.6
Significance	S	S	NS	NS	NS	NS	NS	S	S

Treatment	Total weeds/ m² at 30 DAS	Total weeds dry wt. (g/m²) at 30 DAS	FAW damage(%) at 30 DAS	Shoot fly/plot at 30 DAS
T_1	25.1	4.87	1.00	1.00
T_2	9.7	0.89	1.00	1.33
T_3	30.5	4.23	1.33	1.00
T_4	21.2	2.83	1.33	1.33
T_5	27.3	3.13	1.33	1.00
T_6	26.4	3.60	1.33	1.00
T_7	52.6	8.03	1.33	1.00
T_8	22.6	2.73	2.33	1.00
Mean	26.9	3.79	1.38	1.08
CD	5.8	1.22	1.24	0.94
CV (%)	12.2	18.3	51.4	49.3
Significance	S	S	NS	NS

Table 62: Ecological intensification for climate resilient maize in Karimnagar.

Treatments	Grain yield (kg/ha)	Stalk yield (kg/ha)	Cob yield (kg/ha)	Plant height (cm)	Ear height (cm)	Days to 50% tasseling	Days to 50% silking	Cob length (cm)	Cob girth (cm)
T_1	7592	6706	11011	176.0	90.0	57.3	62.0	17.9	17.1
T_2	9358	6834	12637	181.3	88.3	59.7	63.0	20.3	17.7
T_3	8633	6042	11869	179.0	87.0	59.7	62.7	19.6	16.7
T_4	8454	6473	11920	178.3	92.3	59.3	62.3	19.5	16.5
T_5	7386	6473	10822	168.7	86.3	59.3	62.7	17.8	16.5
T_6	7484	6017	10859	167.3	82.3	60.3	63.7	18.1	17.0
T_7	7925	6175	11462	171.3	84.0	59.7	62.7	18.4	16.7
T_8	7849	6042	11087	174.0	88.3	59.3	62.3	18.0	16.6
Mean	8085.1	6345.3	11458.4	174.5	87.3	59.3	62.7	18.7	16.9
CD	930.4	987.6	1160.1	11.7	10.1	1.5	1.3	1.7	0.9
CV (%)	6.6	8.9	5.8	3.8	6.6	1.4	1.2	5.2	3.0
Significance	S	NS	S	NS	NS	S	NS	S	NS

Treatments	Grain rows/cob	Grains/ row	Shelling (%)	100 Grain weight (g)	Net returns (Rs./ha)	B:C Ratio
T_1	15.3	34.3	68.9	35.0	65243	2.02
T_2	14.7	38.5	74.1	37.3	97365	2.58
T_3	14.3	37.0	72.7	35.7	90049	2.59
T_4	14.7	37.1	70.9	36.0	86510	2.51
T_5	14.7	32.7	68.3	33.3	62343	1.99
T_6	15.1	34.9	69.0	35.0	74515	2.41
T_7	14.3	34.9	69.1	33.7	83005	2.61
T_8	14.4	34.7	70.8	33.3	76723	2.35
Mean	14.7	35.5	70.5	34.9	79469.1	2.38
CD	2.0	3.2	4.0	2.6	15816.9	0.27
CV (%)	7.7	5.1	3.2	4.2	11.4	6.4
Significance	NS	S	NS	S	S	S

Table 63: Ecological intensification for climate resilient maize based cropping systems in Kolhapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	100-seed weight (gm)
T_1	7889	12875	93.6	91.1	179.0	60.0	62.7	29.0
T_2	9869	15333	95.8	95.6	187.3	61.7	64.3	30.5
T_3	8147	12597	94.4	92.2	178.0	59.7	62.3	29.0
T_4	5267	8194	93.3	90.6	174.0	59.3	62.0	28.5
T_5	5222	12597	90.8	89.4	175.3	60.3	62.7	29.5
T_6	8986	14403	92.2	92.8	177.7	60.3	63.0	29.3
T_7	5931	9833	94.7	89.7	180.7	60.3	63.0	29.0
T_8	7500	11222	91.7	93.1	178.0	60.3	63.0	28.5
Mean	7351.4	12131.9	93.3	91.8	178.8	60.3	62.9	29.2
CD	1223.8	2774.4	4.9	3.4	6.2	1.3	1.2	0.1
CV (%)	9.5	13.1	3.0	2.1	2.0	1.2	1.1	0.1
Significance	S	S	NS	S	S	NS	S	S

Table 64: Ecological intensification for climate resilient maize based cropping systems in Ambikapur.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	4609	9928	98.2	98.2	228.8	53.3	56.3	28.1	45150	1.90
T_2	6745	15854	65.3	65.3	256.5	53.0	56.0	31.3	69327	2.18
T_3	4884	10703	64.7	64.7	238.4	53.7	56.7	30.2	41079	1.29
T_4	4432	8442	65.6	62.4	209.3	53.0	56.0	27.3	41954	1.79
T_5	4517	8953	96.4	96.4	218.4	53.0	56.0	27.9	35006	1.10
T_6	6664	15283	65.1	65.1	252.2	52.3	55.3	31.0	67794	2.13
T_7	3593	6342	65.1	60.0	192.0	53.0	56.0	26.5	25355	0.92
T_8	6368	14002	65.3	64.4	242.4	52.7	55.7	30.4	61924	1.88
Mean	5226.5	11188.3	73.2	72.1	229.8	53.0	56.0	29.1	48448.5	1.65
CD	856.3	2043.1	2.4	2.7	12.6	1.4	1.4	1.8	12772.5	0.44
CV (%)	9.4	10.4	1.9	2.1	3.1	1.5	1.4	3.6	15.1	15.1
Significance	S	S	S	S	S	NS	NS	S	S	S

Table 65: Ecological intensification for climate resilient soybean-maize systems in Banswara.

Treatment	Seed yield of soybean (kg/ha)
T_1	1879
T_2	2367
T_3	2098
T_4	1611
T_5	1733
T_6	1835
T_7	1227
T_8	1654
Mean	1800.5
CD	153.2
CV (%)	4.9
Significance	S

Table 66: Ecological intensification for climate resilient maize based cropping systems in Chhindwara.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plants height (cm)	Days to 50% tasseling	Days to 50% silking
T_1	3887	10230	110.8	85.3	159.0	57.3	59.7
T_2	8352	20978	65.8	80.8	180.7	58.0	59.0
T_3	6099	14981	62.4	78.3	162.3	58.3	59.0
T_4	4770	12363	61.8	76.3	161.7	57.7	59.0
T_5	5989	14208	115.6	97.6	162.0	57.7	58.7
T_6	6235	16990	61.0	71.3	169.3	58.3	58.7
T_7	5531	13809	60.7	69.2	167.1	57.7	58.3
T_8	7200	18226	61.4	67.5	180.0	58.3	59.0
Mean	6007.9	15223.0	74.9	78.3	167.8	57.9	58.9
CD	473.8	1358.8	7.6	4.4	7.9	1.2	1.4
CV (%)	4.5	5.1	5.8	3.2	2.7	1.2	1.4
Significance	S	S	S	S	S	NS	NS

Treatments	Cob length (cm)	Cob girth (cm)	Grains row/cob	Grains/row	Net return (Rs./ha)	B:C ratio
T_1	14.0	14.1	12.5	35.5	35206	1.68
T_2	16.7	16.8	15.1	41.0	94195	3.00
T_3	16.0	14.8	14.7	39.5	61886	2.09
T_4	14.3	14.3	13.0	36.0	59054	2.49
T_5	16.3	15.4	13.3	38.0	55867	1.70
T_6	16.5	15.0	14.6	38.3	73349	2.33
T_7	15.7	14.5	13.8	37.8	56573	2.05
T_8	16.6	15.9	14.0	40.4	81696	2.77
Mean	15.8	15.1	13.9	38.3	64728.3	2.26
CD	1.6	1.3	1.1	4.6	3816.7	0.21
CV (%)	5.9	4.7	4.5	6.9	3.4	5.2
Significance	S	S	S	NS	S	S

Table 67: Ecological intensification for climate resilient maize based cropping system in Udaipur.

Treatments	Grain yield of maize (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking
T_1	3528	4934	62.9	68.9	211.3	45.7	51.0
T_2	5019	8034	63.9	72.0	220.2	45.7	51.0
T_3	4685	7274	63.7	70.1	210.2	45.3	50.7
T_4	3023	4563	63.2	69.5	190.0	47.0	52.3
T_5	4822	7630	65.4	72.4	225.4	44.0	49.3
T_6	5018	8038	64.0	70.0	218.7	45.7	51.0
T_7	1915	2506	63.3	54.2	190.2	46.0	51.7
T_8	4640	7399	63.7	68.3	217.0	45.0	49.3
Mean	4081.4	6297.2	63.8	68.2	210.4	45.5	50.8
CD	546.3	815.3	1.2	3.8	21.3	2.9	2.9
CV (%)	7.6	7.4	1.1	3.2	5.8	3.6	3.3
Significance	S	S	S	S	S	NS	NS

Treatments	PFSR affected plants (%)	Weed intensity at 40 DAS ($0.5m^2$)	Weed intensity at harvest ($0.5m^2$)	Net returns (Rs./ha)	B:C ratio
T_1	3.9	25.3	19.0	32957	1.71
T_2	5.3	15.0	15.3	52836	2.25
T_3	3.1	26.3	18.0	49410	2.31
T_4	2.0	24.0	18.0	26750	1.43
T_5	4.0	24.0	17.0	49672	2.12
T_6	3.1	25.0	19.3	52841	2.25
T_7	4.0	200.0	169.7	5442	0.24
T_8	6.0	25.0	17.7	47527	2.07
Mean	3.9	45.6	36.8	39679.5	1.80
CD	0.6	8.4	7.2	8181.3	0.37
CV (%)	9.2	10.6	11.2	11.8	11.8
Significance	S	S	S	S	S

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A-149

Treatments	Grain yield of wheat crop (kg/ha)	Stover yield of wheat crop(kg/ha)	Days to maturity of wheat crop (Days)	Effective tillers of wheat crop (m row length)	Test weight (g)	Green gram yield (kg/ha)	Days to maturity of green gram (days)
T_1	4026	5731	123.0	200.7	40.2	400	90.0
T_2	5519	8991	121.7	252.0	50.2	450	90.0
T_3	5421	8579	120.0	240.7	45.9	423	90.3
T_4	3029	4616	123.3	181.0	30.6	430	91.0
T_5	5228	7663	120.0	241.3	48.1	433	90.7
T_6	3525	4672	110.0	240.7	50.5	220	80.3
T_7	2534	3329	111.3	170.7	19.2	150	86.0
T_8	5492	8716	120.0	241.0	46.2	400	90.0
Mean	4346.8	6536.9	118.7	221.0	41.4	363.3	88.5
CD	719.6	1065.9	10.9	26.0	5.6	47.2	6.0
CV (%)	9.5	9.3	5.3	6.7	7.7	7.4	3.9
Significance	S	S	NS	S	S	S	S

Treatments details:

T_1: Farmer practice *
T_2: Ecological Intensification (EI)**
T_3: EI minus tillage practice (Farmer adopted tillage and residue management in all crops)
T_4: EI minus Nutrient management (Farmer adopted nutrients in all crops)
T_5: EI minus Planting density (Farmer adopted genotype and density in all crops)
T_6: EI minus Water management (Complete rainfed for maize and farmers practice for rest of the crops)
T_7: EI minus Weed management (Farmer adopted weed management in all crops)
T_8: EI minus Disease and insect management (Farmer adopted management in all crops)

Table 68: Validation of sensor based nitrogen management in maize in Bajaura.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)
T_1	3093	4901	76.9	61.8	151.7	66.0	68.0	26.0
T_2	6882	9426	81.1	76.4	180.3	63.0	65.0	28.0
T_3	9128	13001	79.1	76.7	200.7	61.0	63.0	28.7
T_4	7947	10727	80.9	80.4	198.3	62.7	64.7	29.3
T_5	7632	10728	78.9	78.2	202.0	60.0	62.0	27.3
T_6	7527	10337	79.6	78.2	200.3	60.7	62.7	30.7
T_7	7082	9368	74.7	72.0	203.7	61.3	63.3	28.7
T_8	7356	9881	76.2	72.0	190.7	63.3	65.3	28.0
T_9	7268	9731	75.3	71.3	195.3	62.7	64.7	26.7
T_{10}	7318	10423	80.4	77.8	199.3	63.3	65.3	26.7
T_{11}	7517	10456	78.4	76.2	196.0	61.3	63.3	28.0
T_{12}	8803	13147	79.1	76.7	201.7	60.7	62.7	29.3
Mean	7296.0	10177.3	78.4	74.8	193.3	62.2	64.2	28.1
CD	877.1	1418.9	7.8	7.4	13.2	2.6	2.6	3.0
CV (%)	7.1	8.2	5.9	5.8	4.0	2.5	2.4	6.3
Significance	S	S	NS	S	S	S	S	NS

Treatments	Net returns (Rs./ha)	B:C ratio	Barrenness in maize (%)	Cob length (cm)	Grain rows/cob	Grains/row
T_1	47014	2.04	19.1	12.0	12.3	25.0
T_2	110790	3.62	4.5	14.4	13.3	31.3
T_3	147452	3.52	5.1	14.5	13.3	31.7
T_4	128699	3.94	3.6	13.9	12.7	31.0
T_5	124267	3.90	3.9	14.4	13.3	33.3
T_6	121797	3.80	3.4	15.7	13.0	34.0
T_7	113130	3.53	5.1	14.4	13.7	31.0
T_8	118320	3.70	6.5	13.6	13.7	30.3
T_9	116620	3.63	6.8	14.4	14.0	31.3
T_{10}	118799	3.70	6.4	14.1	13.7	31.3
T_{11}	121831	3.78	5.3	14.6	13.3	32.0
T_{12}	145729	4.21	5.5	14.8	13.3	32.3
Mean	117870.6	3.61	6.3	14.2	13.3	31.2
CD	14403.6	0.43	6.1	1.4	1.1	3.7
CV (%)	7.2	7.0	58.0	5.9	4.8	7.0
Significance	S	S	S	S	NS	S

Table 69: Validation of Sensor based nitrogen management in maize Ludhiana.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ ha)	Cobs ('000/ ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Barren plant/ plot	Cob length (cm)	Cob girth (cm)	Grain rows/ cob
T_1	3115	4126	66.7	62.0	143.7	62.7	64.7	6.3	11.3	11.4	11.9
T_2	5190	6519	72.6	71.1	191.0	61.3	63.3	2.3	15.4	12.8	13.0
T_3	5949	7450	74.2	72.2	196.7	59.3	61.3	2.7	15.9	13.4	13.7
T_4	5874	7764	75.3	73.5	201.0	60.0	62.0	2.7	15.9	13.4	13.3
T_5	5819	7845	75.9	74.2	202.3	59.3	61.7	2.7	15.9	13.2	13.3
T_6	4885	6826	72.4	70.6	191.3	59.3	61.3	2.7	15.2	12.6	13.0
T_7	4770	6333	72.2	70.0	191.0	58.3	60.3	3.3	14.9	12.6	12.9
T_8	4547	5845	70.4	68.4	186.7	59.7	61.7	2.7	14.6	12.4	12.9
T_9	4419	5987	70.0	67.8	184.3	58.7	61.0	3.0	14.5	12.4	12.7
T_{10}	5291	7073	73.1	70.9	195.0	59.7	62.0	3.0	15.2	12.8	13.1
T_{11}	5329	7362	74.0	71.1	195.7	60.3	62.3	4.0	15.5	13.0	13.1
T_{12}	5472	7967	72.8	71.1	209.0	59.0	61.0	2.7	15.7	13.2	13.1
Mean	5055.2	6758.1	72.5	70.2	190.6	59.8	61.9	3.2	15.0	12.8	13.0
CD	856.7	1069.9	7.2	6.9	25.0	2.5	2.4	1.7	1.6	0.9	0.8
CV (%)	10.0	9.3	5.9	5.8	7.7	2.5	2.2	32.2	6.2	4.2	3.6
Significance	S	S	NS	NS	S	NS	NS	S	S	S	S

Table 70: Validation of Sensor based nitrogen management in maize in Pantnagar.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ha)	B:C ratio
T_1	2268	3498	63.0	63.0	130.4	58.3	61.7	21.0	15664	0.68
T_2	4251	4650	62.1	62.1	170.3	57.7	61.0	25.1	40897	1.30
T_3	4289	5309	64.2	64.2	183.4	58.7	61.7	25.4	37033	1.03
T_4	4098	4527	63.0	63.0	169.1	58.3	61.7	25.5	39262	1.29
T_5	4126	4527	63.0	63.0	171.7	58.3	61.3	24.1	39158	1.26
T_6	3255	4198	63.0	63.0	147.9	58.3	61.7	21.7	24177	0.78
T_7	3375	3951	62.1	62.1	150.7	58.3	61.7	22.3	26074	0.83
T_8	3392	3909	63.0	63.0	154.7	57.7	61.3	22.7	26622	0.86
T_9	3350	3951	63.4	63.4	152.4	58.3	61.3	21.6	25789	0.83
T_{10}	4144	4486	64.2	64.2	168.2	58.3	61.7	24.5	39478	1.27
T_{11}	4097	4609	63.0	63.0	163.7	58.3	61.3	24.3	38526	1.24
T_{12}	4321	5720	63.8	63.8	187.8	58.3	61.3	25.5	39768	1.18
Mean	3747.2	4444.4	63.1	63.1	162.5	58.3	61.5	23.6	32704.0	1.05
CD	735.4	1007.7	4.4	4.4	13.7	0.9	1.0	2.1	12502.5	0.40
CV (%)	11.6	13.4	4.1	4.1	5.0	0.9	1.0	5.2	22.6	22.8
Significance	S	S	NS	NS	S	NS	NS	S	S	S

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A-152

Treatments	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/ rows	Residual N (kg/ha)	Residual P (kg/ha)	Residual K (kg/ha)
T_1	11.5	9.4	12.7	14.5	227.3	15.8	205.0
T_2	14.0	12.1	14.2	23.8	256.7	18.8	203.3
T_3	14.5	12.7	15.1	24.1	283.7	23.7	232.7
T_4	14.0	12.0	14.1	23.2	248.0	20.0	206.7
T_5	14.1	12.1	14.5	22.9	246.7	19.8	208.0
T_6	12.9	10.6	13.3	19.1	245.3	20.5	208.3
T_7	12.6	10.5	13.0	18.9	251.7	19.6	206.0
T_8	12.4	10.6	13.1	19.3	244.3	19.9	200.3
T_9	12.3	10.4	12.9	19.3	240.7	18.9	206.3
T_{10}	13.9	12.1	14.1	23.1	248.7	20.0	206.3
T_{11}	14.0	12.2	14.3	22.9	246.7	19.0	205.0
T_{12}	14.6	12.6	15.2	24.5	287.0	19.6	203.3
Mean	13.4	11.4	13.9	21.3	252.2	19.6	207.6
CD	0.8	0.8	1.3	2.2	20.0	2.7	19.2
CV (%)	3.3	4.1	5.4	6.2	4.7	8.2	5.5
Significance	S	S	S	S	S	S	NS

Treatments	N uptake (kg/ha)			P uptake (kg/ha)			K uptake (kg/ha)		
	Grain	Stover	Total	Grain	Stover	Total	Grain	Stover	Total
T_1	25.5	11.9	37.4	5.2	3.7	8.9	5.5	24.2	29.7
T_2	56.5	19.4	75.9	12.7	6.1	18.8	13.9	40.8	54.7
T_3	60.1	24.0	84.1	16.7	7.7	24.4	16.0	51.7	67.7
T_4	53.6	18.8	72.4	12.0	5.3	17.3	12.4	38.8	51.2
T_5	53.6	17.4	71.0	11.6	5.3	16.9	12.5	39.0	51.5
T_6	41.6	15.5	57.2	9.3	5.5	14.8	9.3	35.8	45.2
T_7	42.2	15.5	57.7	9.7	5.0	14.7	10.0	33.6	43.6
T_8	43.6	14.0	57.7	10.1	5.0	15.1	9.4	32.9	42.3
T_9	42.7	14.7	57.4	10.2	4.6	14.8	9.7	33.9	43.7
T_{10}	55.5	19.0	74.5	12.8	5.3	18.1	12.3	39.2	51.4
T_{11}	53.9	18.1	71.9	12.7	5.5	18.2	11.1	38.5	49.6
T_{12}	61.2	27.0	88.1	13.4	7.3	20.7	13.3	50.3	63.6
Mean	49.2	17.9	67.1	11.4	5.5	16.9	11.3	38.2	49.5
CD	9.9	5.1	10.4	2.3	2.0	3.3	2.5	8.5	9.0
CV (%)	11.9	16.7	9.2	11.9	20.9	11.7	13.3	13.2	10.7
Significance	S	S	S	S	S	S	S	S	S

Table 71: Validation of Sensor based nitrogen management in maize in Ranchi.

Treatments	Grain yield (kg/ha)	Stover yield (kg/ha)	Cob yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Net return (Rs./ha)	B:C ratio
T_1	3126	5850	4024	64.5	60.2	208.9	53.3	59.7	19038	0.76
T_2	6987	10471	8453	65.0	62.9	241.4	49.0	52.7	67816	2.26
T_3	7539	11219	8984	65.2	64.3	257.4	48.0	51.3	70310	1.99
T_4	7359	10867	8760	65.0	63.3	250.6	48.3	52.0	71621	2.28
T_5	6613	10186	8019	64.5	62.1	238.2	49.3	53.7	62605	2.09
T_6	6206	9993	7629	65.7	62.4	230.0	50.3	55.0	57369	1.94
T_7	6309	10143	7730	65.5	62.1	235.3	50.0	54.7	58809	1.98
T_8	5969	9743	7423	64.8	61.0	222.7	51.0	56.0	53974	1.82
T_9	6108	9886	7547	65.0	61.4	227.2	51.0	55.7	55940	1.88
T_{10}	6469	10143	7874	63.6	61.0	237.2	49.7	54.0	61150	2.07
T_{11}	6759	10229	8168	65.7	63.6	239.8	49.0	53.0	65206	2.22
T_{12}	7144	10843	8527	66.7	65.2	244.2	48.3	52.0	68298	2.15
Mean	6382.2	9964.3	7761.5	65.1	62.5	236.1	49.8	54.1	59344.6	1.95
CD	917.0	1492.1	1112.2	6.9	6.8	25.6	2.9	2.8	12500.1	0.41
CV (%)	8.5	8.8	8.5	6.3	6.4	6.4	3.5	3.1	12.4	12.5
Significance	S	S	S	NS	NS	NS	S	S	S	S

Treatments	Cob length (cm)	Cob breadth (cm)	Grains/ row	Grains row/ cob	1000-grain weight (g)	Total uptake (kg/ha			Available (kg/ha)		
						N	P	K	N	P	K
T_1	16.9	13.8	32.2	13.7	303.6	63.0	8.5	59.8	259.9	17.8	175.2
T_2	20.5	15.0	40.0	14.7	329.0	143.6	18.6	118.0	277.2	18.2	176.7
T_3	20.9	15.5	40.8	15.3	334.7	156.4	20.5	129.3	286.3	19.7	188.3
T_4	20.6	15.2	40.7	15.1	333.2	151.5	19.9	124.3	281.2	19.1	186.4
T_5	19.8	14.7	38.7	14.4	326.4	135.4	17.5	112.7	262.4	18.4	177.8
T_6	19.0	14.6	37.4	14.1	321.0	127.5	16.4	107.1	263.7	18.8	182.3
T_7	19.1	14.6	37.8	14.2	323.0	129.9	16.8	109.2	262.5	18.6	181.9
T_8	18.9	14.3	36.4	13.9	317.2	121.3	15.4	102.8	272.9	19.1	185.6
T_9	18.9	14.5	37.3	14.0	319.2	124.9	15.9	105.4	264.3	18.9	182.8
T_{10}	19.2	14.6	37.8	14.3	324.4	132.6	17.2	110.2	277.1	18.5	181.5
T_{11}	19.9	14.8	38.9	14.6	327.7	138.6	17.9	114.6	274.0	18.3	176.8
T_{12}	20.5	15.1	40.6	15.0	330.2	147.8	19.4	122.6	287.8	18.2	177.0
Mean	19.5	14.7	38.2	14.4	324.1	131.0	17.0	109.7	272.4	18.6	181.0
CD	2.0	1.3	5.0	1.2	30.8	14.9	2.0	13.7	25.0	1.7	16.4
CV (%)	5.9	5.2	7.7	4.7	5.6	6.7	6.8	7.4	5.4	5.3	5.4
Significance	S	NS	NS	NS	NS	S	S	S	NS	NS	NS

Table 72: Validation of Sensor based nitrogen management in maize in Hyderabad.

Treatment	Grain yield (kg/ha)	Stover Yield (kg/ha)	Plants ('000/ha)	Cobs ('000/ha)	Plant height (cm)	Days to 50% tasseling	Days to 50% silking	Days to maturity
T_1	5938	7007	90.7	82.3	179.7	56.0	58.0	96.3
T_2	8486	8934	98.3	93.0	217.0	58.0	60.0	99.0
T_3	8637	9304	94.0	99.7	223.3	58.3	60.3	102.3
T_4	7852	7959	93.3	90.0	209.0	57.3	59.3	97.0
T_5	8139	9093	96.3	94.0	217.0	58.0	60.3	101.3
T_6	7855	8511	98.3	98.3	219.7	58.3	60.0	99.7
T_7	8192	9172	95.7	96.3	217.7	58.7	61.3	99.3
T_8	8385	8802	99.7	97.3	221.7	59.0	60.7	99.0
T_9	8302	9278	99.3	98.3	220.3	58.7	60.0	99.3
T_{10}	8233	9330	98.3	97.0	216.3	58.0	60.3	100.3
T_{11}	8543	9068	96.0	97.3	217.3	57.7	60.3	101.0
T_{12}	9046	10335	95.3	101.3	227.0	58.7	61.7	103.3
Mean	8134.0	8899.4	96.3	95.4	215.5	58.1	60.2	99.8
CD	1253.7	993.6	8.7	5.2	11.8	1.1	1.2	2.3
CV (%)	9.1	6.6	5.4	3.2	3.2	1.1	1.1	1.3
Significance	S	S	NS	S	S	S	S	S

Treatment	Cob length (cm)	Cob girth (cm)	Grain rows/cob	Grains/row	100-Seed weight (g)	Net Returns (Rs./ha)	BC Ratio
T_1	17.4	14.1	12.7	29.6	28.3	18217	1.25
T_2	19.7	15.2	13.3	32.5	33.3	53986	1.71
T_3	20.1	16.0	14.3	40.7	38.5	57107	1.76
T_4	18.2	14.6	13.3	32.9	32.3	43606	1.57
T_5	19.2	15.2	13.7	35.2	36.0	49408	1.65
T_6	18.9	15.0	13.5	35.3	36.7	45267	1.60
T_7	18.6	15.0	13.5	38.6	35.0	50223	1.66
T_8	19.5	15.3	13.2	38.9	35.3	52593	1.69
T_9	19.1	15.1	13.5	39.6	39.0	52466	1.70
T_{10}	19.2	15.2	13.6	35.7	37.7	50397	1.66
T_{11}	19.0	15.0	13.9	34.9	37.3	54242	1.71
T_{12}	19.9	15.7	14.3	39.3	39.3	62464	1.81
Mean	19.1	15.1	13.6	36.1	35.7	49164.7	1.65
CD	1.5	0.5	0.5	3.6	3.8	18619.1	0.24
CV (%)	4.5	2.1	2.1	6.0	6.2	22.4	8.8
Significance	S	S	S	S	S	S	S

Table 73: Validation of Sensor based nitrogen management in maize during Kharif - 2018 in Peddapuram.

Treatments	Grain yield (kg/ ha)	Stover yield (kg/ ha)	Plants ('000/ ha)	Cobs ('000/ ha)	Plant height (cm)	Days 50% tasseling	Days 50% silking	100-seed weight (g)	Net returns (Rs./ ha)	B:C ratio	Cob length (cm)	Cob girth (cm)
T_1	3129	4451	65.0	63.4	187.3	58.0	61.0	20.4	13912	1.47	14.4	12.3
T_2	5647	8010	65.4	65.0	217.3	56.0	59.3	30.4	40566	2.05	17.3	14.3
T_3	5365	7541	65.0	64.0	209.2	57.0	60.3	28.2	37666	2.01	16.5	14.0
T_4	5384	7671	65.4	64.3	210.7	56.7	60.0	28.4	37913	2.01	16.5	14.0
T_5	5422	7784	64.1	63.6	213.0	56.3	59.7	29.3	38515	2.03	16.8	14.2
T_6	5076	7251	64.1	63.2	208.3	55.3	58.3	26.0	33340	1.88	16.2	13.6
T_7	4926	7006	64.6	62.6	208.7	55.0	58.0	25.5	30909	1.81	16.1	13.4
T_8	4680	6616	64.6	63.0	205.3	56.0	59.7	25.0	27649	1.73	15.8	13.2
T_9	4555	6426	65.0	64.6	203.3	55.3	58.3	24.3	25682	1.68	15.6	13.1
T_{10}	5975	8382	65.0	64.0	223.7	56.0	59.7	31.2	45952	2.22	17.6	14.5
T_{11}	6114	8545	65.0	63.0	228.3	55.7	58.0	32.5	47505	2.25	17.9	14.8
T_{12}	6631	9153	66.6	65.6	235.0	54.3	57.7	34.7	52996	2.33	18.4	15.0
Mean	5242.0	7402.9	65.0	63.9	212.5	56.0	59.2	28.0	36050.3	1.96	16.6	13.9
CD	719.0	1064.5	4.0	4.3	10.9	1.3	1.3	3.0	10065.5	0.27	1.0	0.5
CV (%)	8.1	8.5	3.6	3.9	3.0	1.4	1.3	6.4	16.5	8.3	3.6	2.2
Significance	S	S	NS	NS	S	S	S	S	S	S	S	S

Treatments	Grain rows/ cob	Grains/ row
T_1	12.0	27.2
T_2	14.1	39.4
T_3	13.6	38.2
T_4	13.6	38.5
T_5	14.0	39.3
T_6	13.3	36.4
T_7	13.3	35.2
T_8	13.1	33.0
T_9	12.8	32.4
T_{10}	14.4	39.6
T_{11}	14.6	41.0
T_{12}	15.1	42.2
Mean	13.7	36.9
CD	0.8	2.5
CV (%)	3.6	4.0
Significance	S	S

Treatment details

T_1: Control
T_2: RDF (1/3+1/3+/1/3 N splitting at basal, knee high and tasseling)
T_3: STCR (1/3+1/3+/1/3 N splitting at basal, knee high and tasseling)
T_4: Nutrient expert (1/3+1/3+/1/3 N splitting at basal, knee high and tasseling)
T_5: 33% basal N + Green Seeker based N at knee high & tasseling stage
T_6: 60% basal N + Green Seeker based N at knee high
T_7: 70% basal N + Green Seeker based N at knee high
T_8: 60% basal N + Green Seeker based N at tasseling stage
T_9: 70% basal N + Green Seeker based N at tasseling stage
T_{10}: 30% Basal N + 30% at 25 DAS + Green Seeker based N at tasseling stage
T_{11}: 35% Basal N + 35% at 25 DAS + Green Seeker based N at tasseling stage
T_{12}: N rich strip (300:60:40) (1/3+1/3+/1/3 N splitting at basal, knee high and tasseling)

FRONT LINE DEMONSTRATION

Frontline demonstration Conducted under NSFM in maize

Implementing agency: ICAR-Indian Institute of Maize Research, Ludhiana

Summary of FLDs

The frontline demonstrations (FLD) under NFSM were conducted on 386.6 ha acreage involving 972 farmers during three seasons in 16 states. In rabi 2017-18 FLD was conducted on 157.6 ha at 338 farmers field in 10 states (Bihar, Rajasthan, Telangana, Madhya Pradesh, West Bengal, Karnataka, Tamil Nadu and Odisha) y 12 centres. The average yield in FLD was 62.0 q/ha which was significantly higher than farmers practices of 49.9 q/ha during *rabi* season. It was found that the yield gains over the farmer practice in different states in *rabi* season ranged from 7.4 to 84.8%. In spring 2018, the FLDs were conducted in four states benefitting 122 farmers and the yield under FLD was 26.2 q/ha which was much higher than farmer practice of 16.6 q/ha and having yield gaps of 63.4% (8.9 to 173.6%). In *kharif* 2018, FLDs were conducted in 12 states by 14 centres on 173.4 ha fields of 472 farmers. The results of the frontline demonstrations (FLDs) conducted in kharif showed a wide variation in the yield gaps of 5.5 to 197.9% across states averaging 31.9%. The average yield in kharif season under FLD was 45.7 q/ha while in spring it was 42.7 q/ha.

Table 1. State-wise, season-wise progress report of the FLDs conducted in maize during 2018-19.

S. No.	Name of the centre	Area (Ha)		Av. Yield q/ha in FLDs (state-wise)	Av. yield q/ha in local check (state-wise)	Diff. +/- in q/ha	Yield gains (%)	No. of Beneficiaries
		Target	Achievement					
1.	Bihar	30	30	71.85	63	8.85	14.0	69
2.	Rajasthan	18	18	69.9	50.5	19.4	38.3	45
3.	Telangana	20	23.2	56.6	47.9	8.7	18.2	46
4.	Madhya Pradesh	23	33.4	35.9	27.6	8.4	30.3	51
5.	West Bengal	20	20	90.8	76.9	13.85	18.0	44
6.	Karnataka	8	8	61.8	56.2	5.56	9.9	20
7.	Tamil Nadu	10	10	72.1	60.0	12.13	20.2	25
8.	Odisha	15	15	51.2	27.7	23.5	84.8	38
Total/mean (*Rabi 2017-18*)		**144**	**157.6**	**62.0**	**49.9**	**12.1**	**24.3**	**338**
9.	Haryana	10	10	64.0	38.7	25.3	65.4	20
10.	Uttar Pradesh	20	20.6	36.6	23.7	12.9	54.4	74
11.	Punjab	20	21	29.8	27.4	2.44	8.9	18
12.	Manipur	4	4	40.5	14.8	25.7	173.6	10
Total/mean (Spring 2018)		**54**	**55.6**	**42.7**	**26.2**	**16.6**	**63.4**	**122**
13.	Punjab	20	20	40.8	38.2	2.7	7.0	48
14.	Jammu & Kashmir	10	10.2	50.9	38.0	12.9	33.9	25
15.	Rajasthan	20	20	33.9	21.5	12.4	57.4	40
16.	Uttrakhand	10	10	52.4	31.6	20.8	65.8	64
17.	Telangana	10	10	26.5	22.8	3.7	16.3	25
18.	Bihar	20	20	52.7	47.0	5.8	12.2	50
19.	Madhya Pradesh	10	10	55.1	37.7	17.4	46.1	25
20.	Karnataka	30	31	45.8	37.1	8.8	23.6	75
21.	Tamil Nadu	10	10	40.9	35.2	5.7	16.2	50
22.	Manipur	10	10	43.2	14.5	28.7	197.9	10
23.	Uttar Pradesh	10	14	64.0	50.0	14.0	28.0	50
24.	Meghalaya	10	8.2	34.8	27.4	7.4	26.4	10
Total/mean (*Kharif 2018*)		**170**	**173.4**	**45.7**	**34.6**	**11.0**	**31.9**	**472**

Table 2. Centre-wise, season-wise progress report of the FLDs conducted in maize during 2018-19.

S. No.	Name of the centre	Area (ha)		Av. Yield q/ha in FLDs (state-wise)	Av. yield q/ha in local check (state-wise)	Diff. +/- in q/ha	Yield gains (%)	No. of Beneficiaries
		Target	Achievement					
1.	TCA, Dholi, Bihar	10	10	71.0	66.1	4.9	7.4	25
2.	Banswara, Rajasthan	10	10	73.4	42.8	30.6	71.6	25
3.	MPUAT Udaipur, Rajasthan	8	8	66.3	58.2	8.02	13.8	20
4.	WNC, Hyderabad	10	10	56.0	47.3	8.75	18.5	20
5.	JNKVV, Chhindwara	15	25	29.2	22.7	6.48	28.5	30
6.	Kalyani, West Bengal	20	20	90.8	76.9	13.8	18.0	44
7.	Dharwad, Karnataka	8	8	61.8	56.2	5.56	9.9	20
8.	TANU, Coimbatore	10	10	72.1	60.0	12.1	20.2	25
9.	RMRSPC, Begusarai	20	20	72.7	59.9	12.8	21.4	44
10.	Odisha, Bhubaneswar	15	15	51.2	27.7	23.5	84.8	38
11.	PJTSAU, Hyderabad	10	13.2	57.2	48.5	8.75	18.1	26
12.	RVSKVV, Jhabua	8	8.4	42.6	32.4	10.1	31.3	21
Total/mean (*Rabi 2017-18*)		**144**	**157.6**	**62.0**	**49.9**	**12.1**	**24.3**	**338**
13.	CCSHAU, Karnal	10	10	64.0	38.7	25.3	65.4	20
14.	NDUAT, Baharaich	20	20.6	36.6	23.7	12.9	54.4	74
15.	IIMR, Ludhiana	20	21	29.8	27.4	2.44	8.9	18
16.	CAU, Imphal	4	4	40.5	14.8	25.7	173.6	10
Total/mean (Spring 2018)		**54**	**55.6**	**42.7**	**26.2**	**16.6**	**63.4**	**122**
17.	PAU, Ludhiana	20	20	40.8	38.2	2.7	7.0	48
18.	SKUAST, Srinagar	10	10.2	50.9	38.0	12.9	33.9	25
19.	MPUAT, Udaipur	20	20	33.9	21.5	12.4	57.4	40
20.	VPKAS, Almora	10	10	52.4	31.6	20.8	65.8	64
21.	PJTSAU, Hyderabad	10	10	26.5	22.8	3.7	16.3	25
22.	DrRPCAU, Dholi	10	10	49.7	41.1	8.6	20.9	25
23.	JNKVV, Chhindwara	10	10	55.1	37.7	17.4	46.1	25

S. No.	Name of the centre	Area (ha)		Av. Yield q/ha in FLDs (state-wise)	Av. yield q/ha in local check (state-wise)	Diff. +/- in q/ha	Yield gains (%)	No. of Beneficiaries
		Target	Achievement					
24.	UAS, Dharwada	10	11	53.1	44.1	9.1	20.6	25
25.	TANU, Coimbatore	10	10	40.9	35.2	5.7	16.2	50
26.	CAU, Imphal	10	10	43.2	14.5	28.7	197.9	10
27.	UAS, Mandya	20	20	30.0	38.5	8.5	28.3	50
28.	BAU, Sabour	10	10	55.7	52.8	2.9	5.53	25
29.	BHU, Varanasi	10	14	64.0	50.0	14.0	28.0	50
30.	ICARRC NEH region, Barapani	10	8.2	34.8	27.4	7.4	26.4	10
Total/mean (*Kharif 2018*)		**170.0**	**173.4**	**45.7**	**34.6**	**11.1**	**31.9**	**472**

Table 3. Details of the technology demonstrated under FLDs in maize under NFSM at various locations

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
Rabi 2017-18							
TCA Dholi	Shaktiman-5	10	Star Agrotech X.7	Nawada	59.50	63.00	5.88
	Shaktiman-5		Star Agrotech X.7	Vaishali	66.25	71.25	7.58
	Shaktiman-5		Star Agrotech X.7	Samastipur	65.20	69.20	6.14
	Shaktiman-5		Star Agrotech X.7	Muzaffarpur	67.43	73.07	8.41
MPUAT, Banswara	Allrounder	10	Farmers used varieties/non-recommended hybrid which affected by PFSR disease, sowing of seed mixed with lower dose of basal fertilizers in narrow row spacing	Banswara	45.20	77.00	73.76
	Bio-9782		-do-	Banswara	41.57	78.57	91.82
	PAC-740		-do-	Banswara	40.88	64.50	58.38
MPUAT, Udaipur	Bio-9682	8	Deshi variety with farmers practice	Pratapgarh	58.23	66.25	13.77
WNC, Hyderabad	DHM-117	10	Private hybrids Spraying of Monocrotophos Application of fertilizers such as Urea, DAP, Potash	Hyderabad	55.00	56.41	16.09
	P3396, P3546				45.00	52.50	14.15
	COH(M)616				55	60	8.33
JNKVV, Chhindwara	Best weed management	15	Farmer practices of weed management	Chhindwara	22.70	29.20	28.50
Kalyani , west Bengal	P3396	20	Local market seed	Nadia	76.90	90.80	18.00
UAS Dharwad, Karnataka	Micronutrient application (ZnSo4 & FeSo4) and IPM	8	RDF (150:65:65 NPK kg/ha) No Micornutrients and non- IPM	Belgaum	56.22	61.90	10.12
	Micronutrient application (ZnSo4 & FeSo4) and IPM		RDF (150:65:65 NPK kg/ha) No Micornutrients and non- IPM	Bagalkot	53.66	59.75	11.35
TANU, Coimbatore	Public sector Hybrid COH(M)-8	10	Private companies seed	Dindugul	64.80	78.55	21.07
	Public sector HybridCOH(M)-6		Private companies seed	Dindugul	67.15	55.97	19.90
RMRSPC,	Maize	20	Local Variety		65.70	73.70	11.99

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
Begusarai	Hybrid						
	Hybrid maize + Potato		Local Variety		55.29	65.00	14.90
Bhubaneswar, Odisha	Hybrid Maize + Weedicide (PE + PoE) + Need based PP measures	15	Private sector hybrids available in local market + No weedicide application + without timely recommended crop management/ protection measures**	Bhubaneswar	51.20	27.70	84.80
PJTSAU Hyderabad	DHM117 with Tembotrione	10	Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	23.85	27.41	15.41
	Karrimnagar Makka with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	20.50	23.40	14.15
	Kavari 50 with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	23.70	27.25	15.44
	KNMH 131 with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	19.20	21.80	13.54
	NK 6240 with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	23.80	27.40	15.13
	Nujiveedu with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	23.95	27.50	15.29
	P3396 with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	24.80	26.00	4.84
	Rohini with Tembotrione		Atrazine@1.0 kg/acre only as pre emergence	RangaReddy	23.89	27.39	15.20
RVSKVV Jhabua	Aarti	8	Farmer cultivars	Jhabua	42.60	32.40	31.30
Spring 2018							
CCSHAU, Karnal	Demonstration of Quality protein maize hybrid, sowing of spring maize at recommended date of sowing (10-15th February) and	10	Local market seeds	Karnal	64.00	38.70	65.40

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
	package practice developed by University						
NDUAT, Bahraich	Ridge sowing	20	Flat sowing	Bahraich	1.20	1.50	7.80
	Intercropping with mentha 01:02		Monocropping		23.72	36.55	7.80
	Intercropping with Sugarcane 01:01		Monocropping		23.78	36.75	7.80
IIMR Ludhiana	DKC 9108	20	Loacal market seed	Ludhiana	27.40	29.84	8.88
	Improved variety (DKC 9108), seed treatment with 6 ml/kg Gaucho 600 FS for the management of shoot fly		Improved variety (DKC 9108), with out seed treatment for the management of shoot fly	KVK Hoshiarpur	70.24	67.16	4.60
CAU, IMPHAL	Varietal demonstration (HQPM and Hybrids) with full package of practices	4	Local genotypes without full package of practices	Imphal	40.50	14.80	173.60
***Kharif* 2018**							
PAU Ludhiana	PMH 1	20	Local market seed	Hoshiarpur	31.39	32.99	5.15
	PMH 1			Roopnagar	44.60	48.28	8.26
SKUAST, Sirnagar	SMH - 2	10	Local market seed	Sirnagar	37.99	50.88	34.24
	SMC - 7			Ganderbal	36.22	49.40	36.75
	SMC - 4			Bandipora	32.20	47.00	41.50
	SMC - 3			Kulgam	35.50	49.28	40.82
	C-15			Budgam	37.37	50.67	35.92
MPUAT Udaipur	DHM -117	20	Local market seed	Udaipur	21.20	34.05	60.60
	PEHM-2			Udaipur	21.20	33.15	56.34
	DHM-121			Udaipur	25.20	40.40	60.32
VPKAS, Almora	Vivek Maize Hybrid 45	10	Local cultivar, FYM@20t/ha, Urea@40N	Almora	52.40	31.60	65.80
PJTSAU, Hyderabad	DHM117	10	Local market seed	Mahabubnagr	41.14	46.34	30.64
	Karrimnagar makka 131		Local market seed	Mahabubnagr	20.00	25.50	27.50
	Kaveri50		Local market seed	Mahabubnagr	21.94	25.50	16.48

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
	KNMH131		Local market seed	Mahabubnagr	19.20	21.80	13.54
	NK6240		Local market seed	Mahabubnagr	30.80	37.40	21.42
	Nugiveedu		Local market seed	Mahabubnagr	21.97	25.35	15.60
	P3396		Local market seed	Mahabubnagr	24.80	26.00	4.83
	Rohini		Local market seed	Mahabubnagr	21.70	25.02	15.56
TCA Dholi	Shaktiman-5	10	Star Agrotech X.7	Muzaffarpur	41.45	50.40	122.05
	Shaktiman-5		Star Agrotech X.7	Sitamarhi	39.60	46.80	117.60
JNKVV Chhindwara	JM-216	10	Local market seed	Chhindwara	55.10	37.70	46.10
UAS, Dharwada	RDF (150:65:65 NPK kg/ha) + Micornutrients application and Integrated pests and disesases management (IPM)	10	RDF (150:65:65 NPK kg/ha). No Micornutrients and Non IPM	Dharwad	49.01	53.05	8.23
	RDF (150:65:65 NPK kg/ha) + Micornutrients application and Integrated pests and disesases management (IPM)		RDF (150:65:65 NPK kg/ha). No Micornutrients and Non IPM	Haveri	50.30	55.18	9.70
TANU, Coimbatore	COH(M) 6	10	NK 6240, P 3508	Karur	34.67	40.54	16.70
	COH(M) 8			Karur	34.31	37.80	37.09
CAU, Imphal (Manipur)	Varietal demonstration (HQPM and Hybrids) with full package of practices	10	Local genotypes without full package of practices	Imphal West district	1.45	4.43	2.05
	Varietal demonstration (HQPM and Hybrids)		Local genotypes without full package of practices	Imphal East district	1.45	4.43	2.05

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
	with full package of practices						
	Varietal demonstration (HQPM and Hybrids) with full package of practices		Local genotypes without full package of practices	Thoubal District	1.45	4.43	2.05
	Varietal demonstration (HQPM and Hybrids) with full package of practices		Local genotypes without full package of practices	Senapati District	1.57	4.35	1.77
	Varietal demonstration (HQPM and Hybrids) with full package of practices		Local genotypes without full package of practices	Bishnupur District	1.44	4.35	2.02
	Varietal demonstration (HQPM and Hybrids) with full package of practices		Local genotypes without full package of practices	Ukhrul	1.57	4.35	1.77
UAS, Mandya	Seed treatment with, bio fertilizer UAS, Bengaluru Recommended Package of Practice	20	CP-818 All rounder Non Adoption of POP Less application of fertilizer Non application of Zinc sulphate	Mandya	31.00	41.00	32.5
	Seed treatment with, bio fertilizer UAS, Bengaluru Recommended Package of Practice		CP-818 All rounder Non Adoption of POP Less application of fertilizer Non application of Zinc sulphate	Ramanagar	29.00	36.00	24.1
BAU, Sabour	SHM1 (Sabour	10	JKMH 502	Sabour	52.76	55.68	5.50

Name of the centre	Technology demonstrated	Area (ha)	Local check	Location	Yield in FLD (q/ha)	Yield in check (q/ha)	Gains (%)
	Hybrid Maize1)						
BHU, Varanasi	DKC-7074	10	Local market seed	Mirzapur	1.50	63.26	63.76
	Bio 9544		Local market seed	Mirzapur	1.49	63.26	63.76
ICARRC NEH Region Barapani	DA61A	10	Local land race sown as broad casting	Ri-Bhoi	27.37	34.78	26.40
	DA61A		Local land race sown as broad casting	East-Khasi Hills	27.52	35.15	26.85

PATHOLOGY

CONTENTS

Trial	Title	Page No.
	Executive Summary	P-1 to P-14
1. Disease screening of maize hybrids in different zones of AICRP on maize		
A. North Hill Zone		
MPT 2	Disease screening of maize hybrids in NIVT (medium maturity)	P-15
MPT 3	Disease screening of maize hybrids in NIVT (early maturity)	P-16
MPT 5	Disease screening of maize hybrids in AVT I II (medium maturity)	P-17
MPT 7	Disease screening of QPM I II III hybrids	P-18
MPT 8	Disease screening of sweet corn I II III hybrids	P-19
MPT 9	Disease screening of pop corn I II III hybrids	P-19
MPT 10	Disease screening of baby corn I II III hybrids	P-20
MPT 12	Disease screening of OPVs maize hybrids	P-20
B. North West Plain Zone		
MPT 1	Disease screening of maize hybrids in NIVT (late maturity)	P-21 to P-22
MPT 2	Disease screening of maize hybrids in NIVT (medium maturity)	P-23 to P-25
MPT 3	Disease screening of maize hybrids in NIVT (early maturity)	P-26 to P-27
MPT 4	Disease screening of maize hybrids in AVT I II (late maturity)	P-28
MPT 5	Disease screening of maize hybrids in AVT I II (medium maturity)	P-29
MPT 6	Disease screening of maize hybrids in AVT I II (early maturity)	P-30
MPT 7	Disease screening of QPM I II III hybrids	P-31
MPT 8	Disease screening of sweet corn I II III hybrids	P-32
MPT 9	Disease screening of pop corn I II III hybrids	P-33
MPT 10	Disease screening of baby corn I II III hybrids	P-34
C. North East Plain Zone		
MPT 1	Disease screening of maize hybrids in NIVT (late maturity)	P-35 to P-36
MPT 2	Disease screening of maize hybrids in NIVT (medium maturity)	P-37 to P-38
MPT 3	Disease screening of maize hybrids in NIVT (early maturity)	P-39
MPT 4	Disease screening of maize hybrids in AVT I II (late maturity)	P-40
MPT 5	Disease screening of maize hybrids in AVT I II (medium maturity)	P-40
MPT 6	Disease screening of maize hybrids in AVT I II (early maturity)	P-41
MPT 7	Disease screening of QPM I II III hybrids	P-41
MPT 8	Disease screening of sweet corn I II III hybrids	P-42
MPT 9	Disease screening of pop corn I II III hybrids	P-42
MPT 10	Disease screening of baby corn I II III maize hybrids	P-43
D. Peninsular Zone		
MPT 1	Disease screening of maize hybrids in NIVT (late maturity)	P-44 to P-46
MPT 2	Disease screening of maize hybrids in NIVT (medium maturity)	P-47 to P-49
MPT 3	Disease screening of maize hybrids in NIVT (early maturity)	P-50 to P-51
MPT 4	Disease screening of maize hybrids in AVT I II (late maturity)	P-52
MPT 5	Disease screening of maize hybrids in AVT I II (medium maturity)	P-53
MPT 6	Disease screening of maize hybrids in AVT I II (early maturity)	P-54
MPT 7	Disease screening of QPM I II III hybrids	P-55
MPT 8	Disease screening of sweet corn I II III hybrids	P-56
MPT 9	Disease screening of pop corn I II III hybrids	P-57
MPT 10	Disease screening of baby corn I II III hybrids	P-58
MPT 11	Disease screening of rainfed I II III maize hybrids	P-59 to P-60
E. Central Western Zone		
MPT 1	Disease screening of maize hybrids in NIVT (late maturity)	P-61 to P-62
MPT 2	Disease screening of maize hybrids in NIVT (medium maturity)	P-63 to P-64

MPT 3	Disease screening of maize hybrids in NIVT (early maturity)	P-65
MPT 4	Disease screening of maize hybrids in AVT I II (late maturity)	P-66
MPT 5	Disease screening of maize hybrids in AVT I II (medium maturity)	P-67
MPT 6	Disease screening of maize hybrids in AVT I II (early maturity)	P-67
MPT 7	Disease screening of QPM I II III hybrids	P-68
MPT 8	Disease screening of sweet corn I II III hybrids	P-69
MPT 9	Disease screening of pop corn I II III hybrids	P-69
MPT 10	Disease screening of baby corn I II III hybrids	P-70
MPT 11	Disease screening of rainfed I II III maize hybrids	P-71
2. Disease screening of maize germplasm and disease management in maize		
MPT 13	Screening of maize germplasm	P-72 to P-84
MPT 14	Assessment of avoidable yield losses	P-85 to P-90
MPT 15	Maize diseases in trap nursery trial	P-91 to P-92
MPT 16	Survey and surveillance of maize diseases	P-93 to P-100
MPT 17	Efficacy of newer fungicides in control of TLB	P-101 to P-102
MPT 18	Management of PFSR through fungicides, bio-agents and botanicals	P-103
MPT 19	Management of CLS through fungicides, bio-agents and botanicals	P-104
MPT 20	Management of maize cyst nematode, *Heterodera zeae* through bio-agents as seed treatment	P-105
MPT 21	Screening of cow products for the management of maize cyst nematode, *H. zeae* as seed treatment	P-106
Annexure I	Meteorological data of *Kharif* 2018	

Abbreviations used:

1.	ALMO	Almora	11.	HYDE	Hyderabad
2.	DHAR	Dharwad	12.	IMPH	Imphal
3.	BAJA	Bajaura	13.	KALY	Kalyani
4.	BARA	Barapani	14.	KARN	Karnal
5.	COIM	Coimbatore	15.	LUDH	Ludhiana
6.	DELH	Delhi	16.	LARN	Larnoo
7.	DHAU	Dhaulakuan	17.	MAND	Mandya
8.	DHOL	Dholi	18	PANT	Pantnagar
9.	GANG	Gangtok	19.	UDAI	Udaipur
10.	GODH	Godhra			

NHZ: - North Hill Zone (Almora, Bajaura, Barapani, Dhaulakuan, Gangtok, Imphal, Larnoo); **NWPZ: -** North West Plain Zone (Delhi, Karnal, Ludhiana, Pantnagar); **NEPZ: -**North East Plain Zone (Dholi, Sabour); **PZ: -** Peninsular Zone (Coimbatore, Dharwad, Hyderabad, Mandya, Peddapuram, Rahuri); **CWZ: -** Central Western Zone (Udaipur, Godhra)

1.	BLSB	Banded leaf and sheath blight	8.	MLB	Maydis leaf blight
2.	BSDM	Brown stripe downy mildew	9.	P. Rust	Polysora rust
3.	BSR	Bacterial stalk rot	10.	PFSR	Post flowering stalk rot
4.	C. Rot	Charcoal rot	11.	RDM	Rajasthan downy mildew
5.	C. Rust	Common rust	12.	SDM	Sorghum downy mildew
6.	CLS	Curvularia leaf spot	13.	TLB	Turcicum leaf blight
7.	FSR	Fusarium stalk rot	14.	C.Nemat	Cyst Nematode

1.	FS	Foliar spray	6.	R	Resistant
2.	ST	Seed treatment	7.	MR	Moderately resistant
3.	MPT	Maize Pathology Trial	8.	MS	Moderately susceptible
4.	MDR	Multiple disease resistance	9.	S	Susceptible
5.	HR	Highly Resistant	10.	HS	Highly susceptible

Executive Summary

During *Kharif* 2018, following maize entries were evaluated in different zones of AICRP on Maize across the country:

Trial	NHZ			NWPZ			NEPZ			PZ			CWZ		
	Late	Medium	Early	Late	Medium	Early	Late	Medium	Early	Late	Medium	Early	Late	Medium	Early
NIVT	-	26	18	58	74	31	58	74	31	58	74	31	58	74	31
AVT I II	-	12	-	19	8	5	10	3	4	7	7	4	6	6	8
QPM I II III	9			18			16			19			16		
SC I II III	6			9			5			9			9		
PC I II III	4			5			5			5			5		
BC I II III	6			7			7			7			7		
Rainfed I II III	-			-			-			25			25		
OPV	6			-			-			-			-		
Total	**87**			**234**			**213**			**246**			**245**		

SC- Sweet corn; PC- Pop corn; BC- Baby corn; OPV- Open pollinated varieties

The test entries were promoted from first year (NIVT) to second year (AVT-I) and second year to third year (AVT II) on the basis of disease reaction criteria given below:

Diseases	Rating scale/ Disease incidence (%)	Permissible disease score/ incidence (%) for promotion of entries from NIVT to AVT I and AVT I to AVT II	Permissible disease leaf area (%) for promotion of entries from NIVT to AVT I and AVT I to AVT II	Permissible PDI for promotion of entries from NIVT to AVT I and AVT I to AVT II
TLB, MLB, BLSB*****, PFSR, CLS	1-9	≤5.0	≤50	≤55.55
C.RUST, P.RUST*****	1-9	≤4.0	≤20	≤44.44
SDM*****, RDM*****, BSR	DI (%)	≤25.0	-	-
Cyst nematode	No. of cyst /plant	≤9.0	-	-

Note:

1. Description of rating scales: MLB, TLB, CLS, BLSB, PFSR (1-9): R: ≤3.0; MR: 3.1-5.0; C. rust & P. rust (1-9): HR: ≤ 1.0; R: 1.1-2.0; MR: 2.1 - 4.0; SDM, RDM & BSR (%DI): R: ≤ 10%; MR- 10.1-25%; Cyst nematode (no. of cyst/plant): R: ≤ 4.0 ; MR- 4-9.
2. While promoting entries from NIVT to AVT I and AVT I to AVT II, the reaction of diseases of zonal/ regional importance of test entries is considered.
3. *****Since resistance sources against downy mildews (sorghum downy mildew, Rajasthan downy mildew, brown stripe downy mildew), banded leaf and sheath blight, rusts (common rust and polysora rust) and bacterial stalk rot diseases are meager; therefore, test entries should be promoted with the rider of seed treatment & foliar spray of metalaxyl @ 0.25% (as a general rule) in case of downy mildews and/ or management practices identified under IDM package for these diseases.

Details of the coordinated trials conducted under AICRP on maize during Kharif 2018 are given below.

S.No.	Center	University	Total Trials allotted
1	Almora	ICAR-VPKAS, Almora	10
2	Bajaura	CSKHPKV, Palampur	12
3	Barapani	NEH, Barapani	01
4	Imphal	CAU), Iroisembla, Imphal	04

5	Dhaulakuan	CSKHPKV, Palampur	13
6	Delhi	ICAR-IARI, Delhi	14
7	Ludhiana	PAU, Ludhiana	16
8	Karnal	CCSHAU, Hisar	14
9	Pantnagar	GBPUAT, Pantnagar	14
10	Dholi	RAU, Samastipur	15
11	Sabour	BAU, Sabour	11
12	Kalyani	BCKV, Kalyani	05
13	Hyderabad	PJTSAU, Hyderabad	14
14	Dharwad	UAS, Dharwad	14
15	Mandya	UAS, Bengaluru	15
16	Coimbatore	TNAU, Coimbatore	14
17	Rahuri	MPKV, Rahuri	-
18	Peddapuram	ANGRAU, Guntur	10 (Natural condition)
19	Udaipur	MPUAT, Udaipur	14
20	Godhra	AAU, Anand	02

The success rate of trials in different zones is given below:

Zone	Center	Trials allotted	Trials Reported	Success (%)
NHZ	Almora, Bajaura, Barapani, Dhaulakuan, Imphal	40	39	97.5
NWPZ	Delhi, Ludhiana, Karnal, Pantnagar,	58	55	94.8
NEPZ	Dholi, Sabour, Kalyani	31	31	100
PZ	Coimbatore, Hyderabad, Rahuri, Peddapuram, Mandya, Dharwad	67	65	97.0
CWZ	Udaipur, Godhra	16	16	100
Overall		**212**	**208**	**97.1**

Zone wise summarized results of AICRPM Pathology are presented below:

MPT 1-12. Disease screening of maize hybrids of all maturity groups under artificially created epiphytotics

A. Northern Hill Zone (NHZ)

NIVT (Medium maturity) (Total No. of Entries = 26) (Table 1)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R- 19) (MR- 7)	AH 8071, BH416032, BH416067, BH416215, DH-317, DKC 8191, DKC9198,DKC9190,DKC9194,H 1013,HT 18607, KNMH 4182,KNMH4184, KNMH418,LMH 1217,LMH 1417,LMH 3117,LMH 3417,VaMH 15015	AH 8070,DH-316,HKH 368, HKH 369, KMH 17-105,KMH 17-6, KNMH 4183
2.	BLSB (MR- 9)	-	AH 8070, AH 8071 R, DKC9190,DKC9194,HKH 368, HKH 369, KMH 17-105,KNMH 4184,LMH 1217
3.	BSR (MR- 1)	-	BH416215
NIVT (Early maturity) (Total No. of Entries = 18) (Table 2)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-10)	AH 8106,AH8181,FH 3861, FH 3864,FH 3875,FH 3879,GEMH	DH 318,DH 319,HKH 365,KDMH-117,KMH 17-38,KMH 17-89,LMH

	(MR-8)	16208,LMH 3817,LMH3917, MCRS-MH3	4017,X 104
2.	BLSB (R- 3) (MR- 6)	AH8181,KMH 17-38,LMH 3817	DH 318,GEMH 16208,KMH 17-89,LMH 4017,LMH3917,X 104
3.	BSR (MR-2)	-	FH 3864, KMH 17-89
AVT I II (Medium maturity) (Total No. of Entries =12) (Table 3)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R- 4) (MR- 5)	IMHBG-17K-15,INDAM 1122, LMH 1016,NMH-4053	DKC7173(1Q7802),DKC8181(IR8004), JKMH15303,KMH-16-29,PM17102M
2.	BLSB (MR- 6)	-	DKC8181(IR8004),INDAM 1122, JKMH15303,KMH-16-40, KMH-16-42,NMH-4053
3.	BSR (MR-2)	-	DKC8181(IR8004),NMH-4053
QPM I II III (Total No. of Entries = 9) (Table 4)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-8) (MR-1)	APH 1, APH 2,APQH 1, APQH 5, EHQ 64, EHQ 640, LQPMH 118, PPH27	IMHQPM 1530
2.	BLSB (R-2) (MR-3)	IMHQPM 1530, PPH27	APQH 1, EHQ 64, LQPMH 118
3.	BSR (R-1) (MR-2)	APH 1	APQH 1,APQH 5
Sweet corn I II III (Total No. of Entries = 6) (Table 5)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-2) (MR-4)	BSCH416078,FSCH 119	BSCH416086,DSCH-320,LSCH 118, NUZI 205
2.	BLSB (R-2) (MR-4)	FSCH 119, LSCH 118	BSCH416078,BSCH416086, DSCH-320, NUZI 205
Pop corn I II III (Total No. of Entries = 4) (Table 6)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-1) (MR-3)	APCH 2	APCH 3, DPCH 306, H1012
2.	BLSB (R-3) (MR-1)	APCH 2,APCH 3,DPCH 306	H1012
3.	BSR	-	DPCH 306,H1012
Baby corn I II III (Total No. of Entries = 6) (Table 7)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-3) (MR-3)	AH 7043, AH 7204, PAC 321	AH 5021, Baby corn 1011, LMH 3517
2.	BLSB (MR-2)	-	AH 5021,LMH 3517

3.	BSR (MR-1)	-	Babycorn 1011
OPVs (Total No. of Entries = 6) (Table 8)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	TLB (R-5) (MR-1)	L 300,L 315,MS 4-1,MS 8-1, RCM 1-76	RCM 1-61
2.	BLSB (R-1) (MR-3)	L 300	MS 4-1,MS 8-1,RCM 1-61

B. North West Plain Zone (NWPZ)

NIVT (Late maturity) (Total No. of Entries = 58) (Table 9)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (R-9) (MR-46)	AH 8323, CMH14-722, DH-315, HT18007, JH 16026, KNMH-4187, PM18106L,Rasi 4992, TS2505	ADV 7132, AH 1625, AH 8087, BH416112, BIO 534, BIO 536, BLH135, BLH137, BRMH-16039, CMH14-716, CP808 SUPER, FAUJI, GK3124, GK3164, HKH-366, IMHSB-17K-08, IMHVS-005, JH 15002, JH 16224, JH 17014, JH 17026, JH 17029, JKMH1581, KMH-005, KMH-1(CAH1612), MAH-14-138, MAH-14-239, MFH18-13, MFH18-14, MM2033, MM2828, MM9207, OMH 17-2, PHM1801 (CAH1801), PM18101L, PM18102L, PM18103L, PM18105L, QMH 1590, QMH 1571, Rasi 70197, STARX- 5, SYN816514, TS2601, X5826, X5873
2.	BLSB (MR-15)	-	AH 8087, BIO 534, BLH135, BLH137, JH 17026, JH 17029, KMH-005, MFH18-13, MM2828, OMH 17-2, PM18102L, PM18103L, PM18105L, Rasi 70197, STARX-5
3.	C Rot (R-3) (MR-45)	AH 1625, AH 8323, IMHSB-17K-08	ADV 7132, AH 8087, BH416112, BIO 534, BIO 536, BLH135, BLH137, BRMH-16039, CMH14-716, CP808 SUPER, DH-315, GK3124, GK3164, HKH-366, HT18007, IMHVS-005, JH 15002, JH 16026, JH 16224, JH 17014, JH 17029, JKMH1581, KMH-005, KMH-1(CAH1612), KNMH-4185, KNMH-4187, MAH-14-239, MM2033, MM2828, MM9207, OMH 17-2, PM18101L, PM18102L, PM18103L, PM18104L, PM18106L, QMH 1590, QMH1571, Rasi 4992, Rasi 70197, SYN816514, TS2505, TS2601, X5826, X5873

NIVT (Medium maturity) (Total No. of Entries = 74) (Table 10)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (R-6) (MR-57)	CAH1511, IMHL-K-2, IMHL-K-3, IMHSB-18K-10, IMHSB-18K-12, OMH 17-47	AH 4158, AH8070, AH8071, BH416032, BH416067, BH416215, BLH136, CMH2425, CMH2525, DH-316, DH-317, HKH-368, HKH-369, HT18607, IMHL-K-1, IMHSB-18K-03, IMHSB-18K-04, IMHSB-18K-07, IMHSB-18K-11, IMHSB-18K-13, IMHSB-18K-15,IMHSB-18K-18, IMHSB-18K-2, IMHSB-18K-5, IMHSB-18K-8, IMHSB-18K-9, IMHVS-001, IMHVS-002, INDAM 1118, IS8249(DKC8191), IS8425(DKC9194), IS8640(DKC9198), IS8723(DKC9190), JKMH1518, KMH 17-6, KMH-004, KNMH-4181, KNMH-4183, KNMH-4184, LMH 1417, LMH 3117, LMH 3417, MM9309, MMH-1708, MMH18-11, MMH18-12, NAVNEET, PM18107M, PM18108M, RCRMH7(ZH138388), RCRMH9(CAH1713), SYN816604, TMMH886, TUFAN, VH11130, VaMH 15015, ZH161032
2.	BLSB (MR-2)	-	IMHSB-18K-18 , JKMH1518
3.	C Rot (R-17) (MR-49)	AH8070, AH8071, BH416067, BLH136, CAH1511, DH-317, HKH-369, IMHSB-18K-10, IMHSB-18K-15, IMHSB-18K-18, IMHSB-18K-5, IS8723(DKC9190), PM18108M, RCRMH7(ZH138388), JKMH1518, KNMH-4183, TMMH886	AH 4158, AH 4271, BH416032, BH416215, CMH2525, DH-316, HKH-368, HT18607, IH-1604, IMHL-K-1, IMHL-K-2, IMHL-K-3, IMHSB-18K-03, IMHSB-18K-04, IMHSB-18K-07, IMHSB-18K-11, IMHSB-18K-12, IMHSB-18K-13, IMHSB-18K-14, IMHSB-18K-16, IMHSB-18K-2, IMHSB-18K-6, IMHSB-18K-8, IMHVS-001, IMHVS-002, INDAM 1118, IS8249(DKC8191), IS8425(DKC9194), IS8640(DKC9198), KMH 17-105, KMH-004, KNMH-4181, KNMH-4184, LMH 1217, LMH 1417, LMH 3117, LMH 3417, MM9309, MMH-1708, MMH18-12, NAVNEET, OMH 17-47, PM18107M, RCRMH9(CAH1713), SYN816604, TS2506, TUFAN, VaMH 15015, ZH161032
4.	BSR (R-1) (MR-17)	ZH161032	AH 4271, BLH136, DH-316, HT18607, IMHL-K-3, IMHSB-18K-04, IMHSB-18K-07, IMHSB-18K-10, IMHSB-18K-14, IMHSB-18K-5,IMHSB-18K-6, IMHSB-18K-9, IMHVS-002, LMH 3417, PM18108M, TMMH886, VH11130

NIVT (Early maturity) (Total No. of Entries = 31) (Table 11)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (R-4) (MR-23)	AH8106,FH3879,JH 32056, LMH 3917	AH 1619, AH8181, DH-318, DH-319, EH-2936, EH-3369, FH3864, FH3875, HKH-365, IMHSB-18K-01, IMHVS-003, IMHVS-004, JH 31950, JH 32014, JH 32055, JH 32057, JH 32094, KMH 17-38, LMH 3817, LMH 4017, RCRMH10(CAH174), RCRM11 (CAH173), VIRAT, X104
2.	C Rot (MR-14)	-	AH 1619, AH8106, AH8181, DH-318, DH-319, HKH-365, JH 31950, JH 32014, JH 32056, JH 32057, JH 32094, RCRMH11(CAH173), REH2016-1,X104
3.	BSR (MR-6)	-	FH3879, JH 31950, JH 32057, LMH 3917, RCRMH10(CAH174), X104
AVT I II (Late maturity) (Total No. of Entries = 19) (Table 12)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (R-2) (MR-14)	CP 858, DKC9185(IR8449)	B-57, CP777, DKC 9178, HT17169, JH 13278, JH 15130, JH 16040, JH 16041, JH 16081, JKMH150375, JKMH4152, KMH-463, PM16103L, SUPER1818
2.	BLSB (MR-8)	-	B-57, BIO 218, CP 858, CP777, DKC 9178, JH 15130, JH 16041, KMH-463
3.	C Rot (R-3) (MR-12)	JH 16081, KMH-463, SUPER1818	ADV1390164, B-57, BIO 218, CP 858,DKC 9178, DKC9185(IR8449), HT17169, JH 13278, JKMH150375, JH 16041, JKMH 4152, PM16103L
4.	BSR (MR-2)	-	DKC9185(IR8449), PM16103L
AVT I II (Medium maturity) (Total No. of Entries = 8) (Table 13)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (MR-8)	-	AH 1606, BH415100, BLH118, IMHBG 17K-22, IMHBG-17K-6, JH 16045, JKMH4157, NMH 4053
2.	C Rot (MR-7)	-	AH 1606, BH415100, BLH118, IMHBG-17K-22, IMHBG-17K-6, JH 16045, JKMH4157
3.	BSR (MR-2)	-	JKMH4157, NMH 4053
AVT I II (Early maturity) (Total No. of Entries = 5) (Table 14)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (MR-4)	-	AH 7080, BIO 605, DKC 7074, JH 31983
2.	C Rot (MR-3)	-	AH 7080, BIO 605, DKC 7074
QPM I II III (Total No. of Entries = 18) (Table 15)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB	EHQ-64, QPMMH-41	APH 2, APQH5(QPM+PRO-A), EHQ-

	(R-2) (MR-13)		640, FQH-140, IIMRQPMH 1601, IIMRQPMH 1708, IQPMH-18-1, IQPMH-18-2, IQPMH-18-3, IQPMH-18-4, IQPMH-18-5, KDQH-55(CAH1824), QPMMH 27
2.	BLSB (MR-1)	-	IQPMH-18-2
3.	C Rot (MR-7)	-	APQH5(QPM+PRO-A), EHQ-64, IQPMH-18-2, IQPMH-18-3, KDQH-55(CAH1824), QPMMH-41, QQPMH 14153
Sweet corn I II III (Total No. of Entries = 9) (Table 16)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (MR-7)	-	BIO 4043,BSCH 416078, DSCH-320, FSCH-119, NUZI 205, NUZI 260, TOP SWEET
2.	C Rot (MR-6)	-	BSCH 416078, BSCH 416086, DSCH-320, NUZI 205, NUZI 260,TOP SWEET
3.	BSR (R-2) (MR-2)	BSCH 416078, DSCH-320	BIO 4043, TOP SWEET
Pop corn I II III (Total No. of Entries = 5) (Table 17)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (MR-1)	-	APCH 3
2.	C Rot (MR-1)	-	APCH 2
Baby corn I II III (Total No. of Entries = 7) (Table 18)			
S.No.	**Disease**	**Resistant**	**Moderately resistant**
1.	MLB (R-1) (MR-4)	PAC321	AH 7204, AH-7043,AH-7188, LMH 3517
2.	C Rot (MR-2)	-	LMH 3517,PAC321
3.	BSR (MR-3)	-	AH-5021, AH-7043, PMH 2

C. North East Plain Zone (NEPZ):

NIVT (Late maturity) (Total No. of Entries = 58) (Table 19)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (R-3) (MR-30)	MFH18-13, OMH 17-2, PM18106L	ADV 7132, AH 1625, AH 8323, BH416112, BIO 536, BLH135, BLH137, BRMH-16039, CMH14-716, CMH14-722, CP808 SUPER, GK3164, HKH 366,HT18007, IMHVS-005, JH 17014, JH 17026, JH 17029, KMH-005, MAH-14-138, MAH-14-239, MFH18-14, MM2033, PM18102L, PM18103L, PM18104L, PM18105L, Rasi 70197, SYN816514, TS2601

NIVT (Medium maturity) (Total No. of Entries = 74) (Table 20)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (MR-27)	-	AH8070, AH8071, BH416032, BLH136, CAH1511, HKH-368, HT18607, IMHL-K-2, IMHSB-18K-03, IMHSB-18K-10, IMHSB-18K-11, IMHSB-18K-12, IMHSB-18K-15, IMHSB-18K-18, IMHSB-18K-5, IMHVS-001, IS8425(DKC9194), IS8640(DKC9198), IS8723(DKC9190), KMH-004, LMH 1417, LMH 3417, MMH18-11, RCRMH7(ZH138388), SYN816604, TUFAN, ZH161032
NIVT (Early maturity) (Total No. of Entries = 31) (Table 21)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (R-1) (MR-18)	JH 32055	AH8106, AH8181, FH3861, FH3864, FH3875, FH3879, HKH-365, IMHVS-003, IMHVS-004, JH 31950, JH 32056, JH 32057, JH 32094, KMH 17-89, LMH 3917, LMH 4017, VIRAT, X104
AVT I II (Late maturity) (Total No. of Entries = 10) (Table 22)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (R-3) (MR-6)	DKC 9185 (IR8449), JH 16209, RASI 3499	BIO 218, CP 858, DKC 9189 (IR8545), JH 16041, JH 16081, JH 16118
AVT I II (Medium maturity) (Total No. of Entries = 3) (Table 23)			
1	**Disease**	**Resistant**	**Moderate Resistant**
	MLB (R-2) (MR-1)	DKC 8174 (IQ8319), LMH 1017	JKMH 15303
AVT I II (Early maturity) (Total No. of Entries = 4) (Table 24)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (R-2) (MR-1)	BIO 605, JH 31947	DKC 7074
QPM I II III (Total No. of Entries = 16) (Table 25)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB (R-2) (MR-8)	IQPMH-18-1, IQPMH-18-4	APH1, APH2, APH27(PRO-A), APQH1(QPM+PRO-A), EHQ-640, IQPMH-18-2, IQPMH-18-3, KDQH-55(CAH1824)
Pop Corn I II III (Total No. of Entries = 5) (Table 27)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	MLB	-	APCH 3

D. Peninsular Zone (PZ)

NIVT (Late maturity) (Total No. of Entries =58) (Table 29)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-42)	-	ADV 7132, AH 1625, AH 8323, BH416112, BLH135, BLH137,

			BRMH-16039, CMH14-716, DH-315, GK3124, GK3164, IMHSB-17K-08, JH 16026, JH 16224, JH 17014, JH 17026, JKMH1581, KMH-005, KMH-1(CAH1612), KNMH-4185, KNMH-4187, MAH-14-138, MAH-14-239, MFH18-14, MM2033, MM2828, OMH 17-2, PHM1801 (CAH1801), PM18101L, PM18102L, PM18103L, PM18104L, PM18105L, QMH1571, Rasi 4992, Rasi 70197, STARX-5, SYN816514, TS2505, TS2601, X5826, X5873
2.	P RUST (R-13) (MR-14)	DH-315, HT18007, IMHSB-17K-08, MM2828, MM9207, PHM1801 (CAH1801), PM18102L, M18106L, QMH1571, TS2505, TS2601, X5826, X5873	ADV 7132, AH 8323, BLH135, BLH137, CMH14-716, GK3124, GK3164, JH 15002, JH 16224, JH 17014, JKMH1581, KNMH-4187, MAH-14-138, MM2033, OMH 17-2, SYN816514
NIVT (Medium maturity) (Total No. of Entries =74) (Table 30)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-26)	-	AH8070, BH416067, BH416215, HT18607, IMHSB-18K-03, IMHSB-18K-04, IMHSB-18K-11, IMHSB-18K-12, IMHSB-18K-15, IMHSB-18K-18, IMHSB-18K-5, IMHVS-001, IS8723(DKC9190), KNMH-4182, KNMH-4183, LMH 1217,LMH 1417, LMH 3117, LMH 3417, NAVNEET, PM18107M, PM18108M, RCRMH9(CAH1713), TUFAN, VH11130, VaMH 15015, ZH161032
2.	C ROT (R-4) (MR-32)	BH416032**,** CAH 1511, HT 18607, IMHL-K-1	AH 8070, BH416067, BH416215, CMH2425, DH-317, H1013, IMHL-K-2, IMHSB-18K-03, IMHSB-18-K-04, IMHSB-18K-15, IMHSB-18-K-16, IMHSB-18K-18, IMHSB-18K-5, IMHSB-18K-6, IMHSB-18K-8, IMHVS-001, IS8425 (DKC9194), IS8640(DKC9198), JKMH1518, KMH 17-6, KMH-004, KNMH-4183, LMH 1217, LMH 1417, MM9309, MMH 18-12, NAVNEET, PM18107M, PM18108M, RCRMH (ZH138388), SYN816604,VH11130, VaMH 15015
3.	C RUST (MR-2)	-	AH8070, LMH 1417
4.	P RUST (R-9) (MR-27)	AH 4271, BLH136, IMHSB-18K-5, IMHSB-18K-6, IS8640(DKC9198), LMH 1417, VH111130, ZH161032, INDAM 1118	AH 4158, AH8070, AH8071, CAH1511, CMH2525, DH-316, IMHL-K-1, IMHSB-18K-03, IMHSB-18K-04, IMHSB-18K-07, IMHSB-18K-10, IMHSB-18K-13, IMHSB-18K-18, IMHVS-001, IS8249(DKC 8191), IS8425(DKC9194), JKMH 1518, KMH 17-105, KNMH-4184, LMH 3117, MMH-1708, MMH 18-11, MMH18-12, OMH17-47, RCRMH7(ZH138388), TS2506, VaMH

			15015
NIVT (Early maturity) (Total No. of Entries =31) (Table 31)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-6)	-	AH 1619, EH-2936, FH3864, IMHVS-004, JH 32057, X104
2.	C ROT (MR-3)	-	DH-318, FH3879, KMH 17-89
3.	C RUST (R-2) (MR-16)	RCRMH11(CAH173), X104	AH8106, EH-2936, EH-3369, FH3861, FH3864, FH3875, FH3879, IMHVS-003, IMHVS-004, JH 31950, JH 32014, JH 32055, JH 32056, JH 32094, RCRMH10(CAH174), VIRAT
AVT I II (Late maturity) (Total No. of Entries =7) (Table 32)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-5)	-	ADV 1390064, DKC 9178, DKC 9185 (IR8449), JH 15130, JH 15135
2.	C RUST (MR-6)	-	ADV 1390064, DKC 9178, DKC 9185 (IR8449), JH 15130, JKMH 150375
3.	SDM (R-1)	ADV 1390064	-
AVT I II (Medium maturity) (Total No. of Entries =7) (Table 33)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-4)	-	ADV 140235, BLH118, DKC9179(IQ8627), INDAM 1122
2.	C ROT (MR-3)	-	ADV 140187, ADV 140235, INDAM 1122
3.	C RUST (MR-6)	-	ADV 140187, ADV 140235, DKC9179(IQ8627), INDAM 1122, JKMH15303, NMH-4053
4.	P RUST (MR-1)	-	DKC9179(IQ8627)
5.	SDM (R-1)	ADV 140187	-
AVT I II (Early maturity) (Total No. of Entries = 4) (Table 34)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-3)	-	BIO 605, DKC 7074, JH 31947
2.	C ROT (MR-3)	-	BIO 605, DKC 7074, PMH 5
3.	C RUST (MR-3)	-	DKC 7074, JH 31947, PMH 5
QPM I II III (Total No. of Entries =19) (Table 35)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-9)	-	APH 1, APH 2, APQH 8 (QPM + Pro- A), APQH1(QPM+PRO-A), APQH5(QPM+PRO-A), FQH-148, IQPMH-18-4, QPMMH-41, QQPMH-14191
2.	C RUST (MR-8)	-	APH2, APH27 (PRO-A), APQH1(QPM+PRO-A), APQH7

			(QPM+PRO-A), IQPMH-18-1, IQPMH-18-4, IQPMH-18-5, QQPMH-14191
Sweet corn I II III (Total No. of Entries =9) (Table 36)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	C ROT (MR-3)	-	BSCH 416078, NUZI 205, TOP SWEET
2.	C RUST (MR-5)	-	BSCH 416078, BSCH 416086, DSCH-320, SUGAR SWEET, TOP SWEET
Pop corn I II III (Total No. of Entries =5) (Table 37)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-1)	-	IHPC-1203
2.	C ROT (MR-2)	-	APCH 2, IHPC-1201
3.	P RUST (MR-2)	-	H 1012, IHPC-1203
Baby corn I II III (Total No. of Entries =7) (Table 38)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-3)	-	AH-7043, AH-7188, PAC321
2.	C RUST (MR-6)	-	AH 7204, AH-5021, AH-7043, LMH 3517, PAC321, PMH 2
3.	P RUST (R-1) (MR-3)	AH-7188	AH 7204, AH-5021, LMH 3517
Rainfed I II III (Total No. of Entries = 25) (Table 39)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (MR-16)	-	ADH 1608, ADH 8070, ADH 8106, ADH1620, CMH 12 686, CMH 15-005, KMH-1(CAH-1612), OMH 17-47, OMH14-27, RCRMH11(CAH173), RCRMH7(ZH138388), RCRMH9(CAH1713), TA 5084, VaMH 15036, VaMH 16008, ZH161032
2.	C ROT (R-1) (MR-11)	DMRH1417	ADH 8106, AH 8178, CAH1511, CMH 12 686, CMH 15-005, RCRMH10(CAH174), RCRMH7(ZH138388), TA 5084, VaMH 15036, VaMH 16008
3.	C RUST (R-1) (MR-19)	ADH 8106	ADH 1608, ADH 1619, ADH 8070, ADH1620, AH 8178, CAH1511, CMH 12 686, DMRH1417, KDM-115, KMH-1(CAH-1612), OMH 17-47, OMH14-27, PHM1801 (CAH1801), RCRMH10(CAH174), RCRMH11(CAH173), RCRMH9(CAH1713), VaMH 15036, VaMH 16008, ZH161032

E. Central Western Zone (CWZ)

NIVT (Late maturity) (No. of Entries= 58) (Table 40)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-4)	-	ADV 7132, CP808 SUPER, JH 17026, PM18102L
NIVT (Medium maturity) (No. of Entries= 74) (Table 41)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-6)	-	CAH1511, IMHL-K-1, IMHSB-18K-8, LMH 1217, MM9309,ZH161032
NIVT (Early maturity) (No. of Entries= 31) (Table 42)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-2)	-	AH 1619, JH 32094
AVT I II (Medium maturity) (No. of Entries= 6) (Table 44)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-1)	-	DKC9179(IQ8627)
QPM I II III (No. of Entries= 16) (Table 46)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-1)	-	IQPMH-18-2
Sweet corn I II III (No. of Entries= 9) (Table 47)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode (MR-1)	-	BSCH 416086
Rainfed I II III (No. of Entries= 25) (Table 50)			
S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	Cyst Nematode	-	ADH 8106, OMH 17-47

MPT 13. Disease screening of maize germplasm.

(i) Screening of inbred lines (Table 51)

S. No.	**Disease**	**Resistant**	**Moderate Resistant**
1.	TLB (NHZ) (R-33) (MR-7)	BAJIM-16-10, BAJIM-16-11,BAJIM-16-12, BAJIM-16-2, BAJIM-16-5, BAJIM-16-6, BAJIM16-7, BAJIM-16-9, HUZM-152, HUZM-186, HUZM-246, HUZM-265, BAJIM-16-5, BAJIM-16-6, BAJIM16-7, BAJIM-16-9, HUZM-152, HUZM-186, HUZM-246, HUZM-265, HUZM-36, HUZM-53, HUZM-705, HUZM-72, HUZM-79, IAMI-16, IAMI-21, IAMI-31, IAMI-34, IAMI-48, IAMI-54, IAMI-57, IAMI-83, LM 13	BAJIM-16-1, BAJIM-16-3, BAJIM16-4, BAJIM-16-8, HUZM-509, IAMI-14, IAMI-52

2.	TLB (PZ) (R-8) (MR-26)	IAMI-83, LMDR-1,JCY 6, JCY 10, JCY 45, JCYII-2, PML-41, PML-81	BAJIM-16-11, BAJIM-16-12, BAJIM16-4, BAJIM-16-5, BAJIM-16-6, HUZM-152, HUZM-186, HUZM-246, HUZM-265, HUZM-36, HUZM-379, HUZM-509, HUZM-53, HUZM-583-2, HUZM-72,HUZM-79, IAMI-14, IAMI-21, IAMI-31, IAMI-34, IAMI-48, IAMI-52, IAMI-54, IAMI-57, IAMI-83, LM 13.

Screening of inbred lines (Table 52)

1	MLB (NWPZ) (MR-9)	-	DI-208, DI-211, IAMI-57, LMDR 3, LMDR- 5, LMDR-2, LMDR-8, PML-250, PML-902.
2	MLB (NEPZ) (R-2) (MR-7)	JCY 6,JCYII-2,	Di-109, DI-203, DI-211, IAMI-34, IAMI-83, LMDR-2, PML-902

Screening of inbred lines (Table 53)

S. No.	Disease	Resistant	Moderate Resistant
1.	C Rot (NWPZ) (MR-13)	-	LMDR 3, LMDR- 5, LMDR-1, LMDR-2, LMDR-8, JCY 6, JCY 10, JCY 45, JCYII-2, PML-250, PML-41, PML-81, PML-902.
2	C Rot (PZ) (R-6) (MR-8)	JCY 10, JCY 45, JCYII-2, PML-250, PML-41, PML-81.	LMDR 3, LMDR-5, LMDR-1, LMDR-2, LMDR-8, JCY 6, PML-69, PML-902.

(ii) **Disease screening of CIMMYT maize germplasm at hot spot locations**

Three sets of 100 each lines of CIMMYT maize germplasm under ICAR-CIMMYT collaboration programme were evaluated at different hot spot locations against TLB in NHZ, MLB, BLSB & C Rot in NWPZ, FSR in CWZ. The promising entries are given in Table 55 to 57.

MPT 14. Assessment of avoidable yield losses due to major diseases of maize

Yield losses due to major diseases of maize were assessed at Dhaulakuan (MLB), Kalyani (MLB), Coimbatore (C. Rot), Dharwad (TLB), Godhra (CLS) and Mandya (SDM) centers using paired plot technique under artificially created epiphytotics (Table 58 to 65). Yield losses were assessed up to 24.13, 20.89, 12.49, 19.04, 15.04 and 88.5 per cent due to MLB, C. Rot, TLB, CLS and SDM, respectively.

MPT 15. Maize diseases in trap nursery trial

Trap nursery trial was conducted to find out the occurrence of disease(s) including newer ones on maize at various locations *viz.*,Almora, Dhaulakuan, Imphal, Delhi, Karnal, Ludhiana, Pantnagar, Dholi, Kalyani, Sabour, Udaipur, Dharwad, Mandya, Hyderabad and Peddapuram (Table 66). Diseases recorded in these locations were MLB, TLB, BLSB, CLS, Brown Spot, PFSR, C.Rot, C.Rust, P.Rust, RDM and Stalk rot in trace to high intensities. No new disease was reported from any centre.

MPT 16. Survey and surveillance of maize diseases

Disease survey and surveillance was undertaken in maize growing areas of Himachal Pradesh (Dhaulakuan), Manipur (Imphal), Delhi, Haryana (Karnal), Punjab (Ludhiana), Uttarakhand (Pantnagar), North Bihar (Dholi), West Bengal (Kalyani), Southern Rajasthan (Udaipur), Gujarat (Godhra), Northern Karnataka (Dharwad), Southern Karnataka (Mandya), Telangana (Hyderabad), Andhra Pradesh (Peddapuram), Maharashtra (Rahuri) and Tamil Nadu (Coimbatore) during the *Kharif* 2018 (Table 67 to 81).

MPT 17. Efficacy of fungicides and bioproducts in control of TLB

(i) Efficacy of fungicides and bioproducts in control of TLB at Imphal.

Seed treatment and foliar application of Azoxystrobin 18.2 w/w +Difenoconozole 11.4% w/w SC@ 0.10% found significantly superior with respect to disease control and yield. Amongst the treatments on efficacy of bioproducts on incidence of TLB disease of maize, *Allium sativum* @ 10% has provided 26.7% disease control and there was increase in 29.05 % grain yield as compared to check and it was followed by *Azadirachta indica* leaves @ 10% and *Cow urine* @ 20% (Table 82).

(ii) Efficacy of newer fungicides in control of TLB at Dharwad**.**

Foliar application of Azoxystrobin 18.2% + Difenconazole 11.4% (Amistar Top) @ 0.1% found significantly superior (Table 83) with respect to disease control efficacy (68.67%) and increase in grain yield (36.45%).

MPT 18. Management of PFSR through fungicides, bio-agents and botanicals at Udaipur

TH -3 @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5%, Seed treatment with Neem extract and FS @ 10% at 45 and 60 DAS, Resident isolate of *Trichoderma viride* fortified FYM, Seed treatment with Bavistin @ 6g/Kg seed and two FS at 45 and 60 DAS were found effective in the management of PFSR (Table 84).

MPT 19. Management of CLS through fungicides, bio-agents and botanicals at Udaipur

Seed treatment with Neem extract and FS @ 10% at 45 and 60 DAS, *TH-3* @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5%,*TV-3 (Trichoderma viride)* @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray 45 DAs @ 0.5%were found effective in the management of CLS (Table 85).

MPT 20. Management of maize cyst nematode, *Heterodera zeae* through bio-agents as seed treatment at Udaipur

VAM fungi, *Glomus fasciculatum* at 4 % as seed treatment, *Metarrhizium anisopliae* and *Trichoderma viride* at 4 % were effective in the management of cyst nematode. These treatments enhanced maize grain yield to the tune of 60.60, 51.98 and 46.41%, respectively over untreated check (Table 86).

MPT 21. Screening of cow products for the management of maize cyst nematode, *H. zeae* as seed treatment at Udaipur

Panchgavaya at 20 %, curd at 20 % and cow urine at 20 % w/v proved most effective to reduce the infection of maize cyst nematode on maize. The grain yield was increased to 35.85, 29.81 and 27.36%, respectively compared to untreated check (Table 87).

Table 1. Screening of NIVT (medium maturity) maize hybrids in NHZ

S. No.	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	LARN	ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	AH 8070	2.5	4.0	5.0	3.8	MR	3.9	MR	77	S
2	AH 8071	2.5	3.7	3.0	3.1	R	3.5	MR	77	S
3	BH416032	2.5	4.0	0.5	2.3	R	6.7	MS	48	MS
4	BH416067	2.0	4.0	2.0	2.7	R	6.9	MS	46	MS
5	BH416215	2.0	3.7	2.0	2.6	R	5.4	MS	20	MR
6	DH-316	3.0	3.3	4.0	3.4	MR	6.6	MS	78	S
7	DH-317	2.5	3.0	3.0	2.8	R	6.6	MS	35	MS
8	DKC 8191	3.0	3.0	2.0	2.7	R	5.9	MS	60	S
9	DKC 9198	2.0	2.7	1.0	1.9	R	5.6	MS	38	MS
10	DKC9190	2.5	3.0	2.0	2.5	R	4.2	MR	40	MS
11	DKC9194	2.5	3.3	2.5	2.8	R	4.1	MR	47	MS
12	H 1013	2.5	3.3	3.0	2.9	R	5.7	MS	56	S
13	HKH 368	2.5	3.0	4.0	3.2	MR	4.5	MR	74	S
14	HKH 369	3.5	3.7	5.0	4.1	MR	4.8	MR	54	S
15	HT 18607	2.5	3.0	3.0	2.8	R	6.3	MS	43	MS
16	KMH 17-105	3.0	3.3	4.0	3.4	MR	5.1	MR	66	S
17	KMH 17-6	3.0	3.3	4.0	3.4	MR	7.8	S	57	S
18	KNMH 4182	2.5	3.3	2.0	2.6	R	6.4	MS	63	S
19	KNMH 4183	2.0	4.3	4.0	3.4	MR	5.3	MS	56	S
20	KNMH 4184	2.5	3.7	2.0	2.7	R	3.4	MR	55	S
21	KNMH4181	2.5	3.7	2.0	2.7	R	8.2	S	70	S
22	LMH 1217	2.5	3.3	2.0	2.6	R	4.2	MR	52	S
23	LMH 1417	2.0	3.3	1.5	2.3	R	5.6	MS	79	S
24	LMH 3117	2.5	3.3	3.0	2.9	R	7.1	MS	27	MS
25	LMH 3417	2.0	3.7	1.0	2.2	R	7.1	MS	43	MS
26	VaMH 15015	2.5	2.7	3.0	2.7	R	5.8	MS	73	S
27	BIO 9544 (Check)	2.0	3.7	2.0	2.6	R	3.0	R	55	S
28	CMH 08-292 (Check)	2.0	3.7	3.0	2.9	R	4.6	MR	66	S
29	DHM 121 (Check)	2.0	3.0	2.0	2.3	R	6.0	MS	63	S
30	Sus check	5.5	3.0	7.0	5.2	MS	7.2	S	82	S
Z1	Location Mean	2.6	3.4	2.8			5.6		57	
Z2	CV (%)	15.0	24.7	31.3			28.3		28	
Z3	F (Prob)	0.0	0.9	0.0			0.2		0	
Z4	CD (5%)	0.6	1.4	1.4			.		.	
Z5	CD (1%)	0.8	1.8	1.9			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)

Table 2. Screening of NIVT (early maturity) maize hybrids in NHZ

S.No.	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	LARN	ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	AH 8106	2.0	3.7	1.5	2.4	R	5.5	MS	52	S
2	AH8181	2.0	4.0	1.0	2.3	R	3.0	R	78	S
3	DH 318	3.0	4.3	4.0	3.8	MR	5.0	MR	64	S
4	DH 319	5.0	3.7	4.0	4.2	MR	5.5	MS	56	S
5	FH 3861	2.0	4.0	1.5	2.5	R	5.5	MS	44	MS
6	FH 3864	2.0	4.7	1.5	2.7	R	6.5	MS	16	MR
7	FH 3875	2.5	3.0	3.0	2.8	R	6.5	MS	71	S
8	FH 3879	2.5	4.0	2.0	2.8	R	6.0	MS	28	MS
9	GEMH 16208	3.0	4.0	1.5	2.8	R	4.0	MR	28	MS
10	HKH 365	2.5	4.0	3.0	3.2	MR	6.5	MS	30	MS
11	KDMH-117	2.5	4.3	3.0	3.3	MR	6.5	MS	42	MS
12	KMH 17-38	5.0	4.7	4.0	4.6	MR	2.5	R	48	MS
13	KMH 17-89	4.5	4.3	4.0	4.3	MR	3.5	MR	11	MR
14	LMH 3817	3.5	3.0	2.0	2.8	R	2.5	R	61	S
15	LMH 4017	4.5	5.3	4.0	4.6	MR	4.5	MR	38	MS
16	LMH3917	2.5	4.3	2.0	2.9	R	3.5	MR	30	MS
17	MCRS-MH3	2.5	4.3	2.0	2.9	R	5.5	MS	82	S
18	X 104	2.5	4.3	3.0	3.3	MR	5.0	MR	48	MS
19	BIO 605 (Check)	2.0	4.3	2.0	2.8	R	2.5	R	55	S
20	DKC7074 (Check)	2.0	5.0	2.0	3.0	R	5.0	MR	38	MS
21	PMH5 (Check)	7.5	5.7	6.0	6.4	MS	3.5	MR	63	S
22	Vivek Maize Hybrid-45 (Check)	2.5	5.0	2.0	3.2	MR	5.0	MR	24	MR
23	Vivek Maize Hybrid-51 (Check)	3.5	4.3	5.0	4.3	MR	5.5	MS	24	MR
24	Susc. Check	6.0	4.7	7.0	5.9	MS	7.0	MS	82	S
Z1	Location Mean	3.2	4.3	3.0			4.8		46	
Z2	CV (%)	19.1	20.2	33.5			16.1		15	
Z3	F (Prob)	0.0	0.1	0.0			0.0		0	
Z4	CD (5%)	1.0	1.4	1.6			.		.	
Z5	CD (1%)	1.4	1.9	2.2			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)

Table 3. Screening of AVT I II (medium maturity) maize hybrids in NHZ

S.No.	Genotype	TLB (1-9)							BLSB (1-9)		BSR (%)	
		BAJU	BARA	IMPH	LARN	*ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	DKC7173(1Q7802)	2.5	4.7	3.9	2.0	0.5	3.3	MR	5.5	MS	52	S
2	DKC8181(IR8004)	2.0	5.5	5.1	3.0	3.0	3.9	MR	5.0	MR	25	MR
3	IMHBG-17K-15	2.0	2.0	3.6	3.0	2.0	2.6	R	5.5	MS	49	MS
4	INDAM 1122	2.0	2.0	3.7	3.0	0.5	2.7	R	4.0	MR	47	MS
5	JKMH15303	3.5	6.6	5.2	3.5	0.5	4.7	MR	3.5	MR	66	S
6	KMH-16-25	4.5	7.7	6.4	4.5	2.0	5.8	MS	5.5	MS	71	S
7	KMH-16-29	2.5	7.8	5.1	3.0	3.0	4.6	MR	6.0	MS	39	MS
8	KMH-16-40	4.5	7.4	6.5	3.5	2.0	5.5	MS	5.0	MR	60	S
9	KMH-16-42	4.0	7.4	5.2	4.5	2.0	5.3	MS	3.5	MR	69	S
10	LMH 1016	2.5	3.1	2.0	3.0	0.5	2.6	R	6.5	MS	35	MS
11	NMH-4053	2.0	3.6	3.9	2.5	1.0	3.0	R	4.0	MR	20	MR
12	PM17102M	2.5	6.3	5.1	3.0	3.0	4.2	MR	6.0	MS	36	MS
13	Bio 9544 (C)	2.0	3.8	2.4	2.5	0.5	2.7	R	7.0	MS	42	MS
14	CMH-08-292 (C)	3.0	1.8	2.4	3.0	1.0	2.5	R	4.5	MR	58	S
15	DHM-121 (C)	2.0	.	4.6	2.5	2.0	3.0	R	5.0	MR	39	MS
16	LM 13 (R. Check)/filler	2.5	4.8	1.6	2.5	0.5	2.8	R	5.5	MS	62	S
17	Susc Check	2.5	6.4	4.9	2.5	2.0	4.1	MR	2.5	R	55	S
Z1	Location Mean	2.7	5.0	4.2	3.0	1.5			5.0		49	
Z2	CV (%)	43.3	14.1	28.9	28.6	62.3			37.0		27	
Z3	F (Prob)	0.4	0.0	0.0	0.4	0.1			0.7		0	
Z4	CD (5%)	2.5	1.5	2.6	1.8	2.0			3.9		27	
Z5	CD (1%)	3.5	2.1	3.5	2.5	2.8			5.4		38	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)
*ALMO (Data rejected due to low disease pressure)

Table 4. Screening of QPM I II III hybrids in NHZ

S. No.	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	LARN	*ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	APH 1	2.5	2.3	1.5	2.4	R	7.5	S	9	R
2	APH 2	2.0	3.7	1.5	2.8	R	7.0	MS	39	MS
3	APQH 1	2.0	3.0	1.0	2.5	R	4.5	MR	13	MR
4	APQH 5	2.5	2.7	0.5	2.6	R	6.5	MS	23	MR
5	EHQ 64	3.0	3.0	0.0	3.0	R	5.0	MR	61	S
6	EHQ 640	2.5	3.0	1.5	2.8	R	7.0	MS	62	S
7	IMHQPM 1530	3.0	3.3	2.0	3.2	MR	3.0	R	42	MS
8	LQPMH 118	2.5	3.0	0.5	2.8	R	3.5	MR	57	S
9	PPH27	2.5	3.7	2.0	3.1	R	2.5	R	74	S
10	APQH 9 (Check)	3.0	2.7	1.5	2.8	R	6.0	MS	52	S
11	HQPM 1 (Check)	2.5	3.3	0.5	2.9	R	6.0	MS	51	S
12	HQPM 7 (Check)	2.5	4.0	0.0	3.3	MR	5.5	MS	31	MS
13	HQPM5 (Check)	2.5	4.3	1.5	3.4	MR	7.0	MS	41	MS
14	Vivek Maize Hybrid 27 (Check)	3.5	3.0	3.0	3.3	MR	4.5	MR	38	MS
15	Vivek QPM 9 (Check)	2.0	2.7	0.5	2.3	R	3.5	MR	38	MS
16	Susc. Check	6.0	3.0	5.0	4.5	MR	6.5	MS	76	S
Z1	Location Mean	2.8	3.2	1.4			5.3		44	
Z2	CV (%)	16.7	29.9	44.9			16.0		12	
Z3	F (Prob)	0.0	0.5	0.0			0.0		0	
Z4	CD (5%)	0.8	1.6	1.1			.		.	
Z5	CD (1%)	1.0	2.1	1.4			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)

*ALMO (Data rejected due to low disease pressure)

Table 5. Screening of sweet corn I II III hybrids in NHZ

S. No	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	LARN	*ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	BSCH416078	2.5	3.3	0.0	2.9	R	3.5	MR	72	S
2	BSCH416086	2.5	4.3	0.0	3.4	MR	4.0	MR	75	S
3	DSCH-320	3.0	5.0	3.0	4.0	MR	5.0	MR	57	S
4	FSCH 119	2.5	3.3	0.5	2.9	R	2.5	R	83	S
5	LSCH 118	4.0	3.7	1.5	3.8	MR	3.0	R	78	S
6	NUZI 205	2.5	4.3	0.0	3.4	MR	4.0	MR	80	S
7	CMVL SC 1 (C)	3.0	3.7	0.0	3.3	MR	3.5	MR	43	MS
8	Misthi (C)	3.0	4.0	0.0	3.5	MR	4.5	MR	48	MS
9	Susc Check	6.0	3.3	3.0	4.7	MR	6.5	MS	55	S
Z1	Location Mean	3.2	3.9	0.9			4.1		66	
Z2	CV (%)	11.0	17.9	57.0			24.7		7	
Z3	F (Prob)	0.0	0.1	0.0			0.1		0	
Z4	CD (5%)	0.6	1.2	0.9			.		.	
Z5	CD (1%)	0.8	1.7	1.2			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)
*ALMO (Data rejected due to low disease pressure)

Table 6. Screening of pop corn I II III hybrids in NHZ

S.No.	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	LARN	*ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	APCH 2	3.0	3.0	0.0	3.0	R	2.0	R	56	S
2	APCH 3	3.5	4.3	0.5	3.9	MR	2.5	R	44	MS
3	DPCH 306	3.5	3.7	0.0	3.6	MR	3.0	R	24	MR
4	H1012	3.5	4.3	3.0	3.9	MR	5.0	MR	21	MR
5	KDPC-2 (C)	3.5	4.0	1.5	3.8	MR	2.5	R	26	MS
6	VL Amber Popcorn (C)	4.0	4.3	2.5	4.2	MR	3.5	MR	24	MR
7	Susc Check	6.0	4.3	3.0	5.2	MS	6.5	MS	62	S
Z1	Location Mean	3.9	4.0	1.5			3.6		37	
Z2	CV (%)	10.6	25.5	80.3			27.3		15	
Z3	F (Prob)	0.0	0.6	0.0			0.0		0	
Z4	CD (5%)	0.7	1.8	2.1			.		.	
Z5	CD (1%)	1.0	2.5	3.0			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)
*ALMO (Data rejected due to low disease pressure)

Table 7. Screening of baby corn I II III hybrids in NHZ

S.No.	Genotype	TLB (1-9)					BLSB (1-9)		BSR (%)	
		BAJA	*LARN	ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	AH 5021	3.5	3.7	4.0	3.8	MR	4.5	MR	70	S
2	AH 7043	3.5	3.3	2.0	2.8	R	7.0	MS	26	MS
3	AH 7204	3.0	3.7	2.0	2.5	R	6.0	MS	39	MS
4	Babycorn 1011	3.0	3.7	4.0	3.5	MR	5.5	MS	24	MR
5	LMH 3517	4.5	3.7	5.0	4.8	MR	4.0	MR	66	S
6	PAC 321	2.0	3.3	1.5	1.8	R	5.5	MS	38	MS
7	CMVL BC2 Check	3.0	3.0	2.0	2.5	R	4.0	MR	31	MS
8	Susc Check	6.0	3.7	5.0	5.5	MS	7.0	MS	73	S
Z1	Location Mean	3.6	3.5	3.2			5.4		46	
Z2	CV (%)	13.9	29.0	32.4			25.0		14	
Z3	F (Prob)	0.0	1.0	0.0			0.3		0	
Z4	CD (5%)	0.9	1.8	1.8			.		.	
Z5	CD (1%)	1.2	2.5	2.5			.		.	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)

*LARN (Data rejected due to low disease pressure)

Table 8. Screening of maize OPVs.

S.No.	Genotype	TLB (1-9)				BLSB (1-9)		BSR (%)	
		BAJU	*ALMO	Av Score	Reaction	DHAU	Reaction	DHAU	Reaction
1	L 300	3.0	1.0	3.0	R	3.0	R	33	MS
2	L 315	3.0	1.0	3.0	R	6.0	MS	31	MS
3	MS 4-1	2.5	1.0	2.5	R	5.0	MR	46	MS
4	MS 8-1	2.5	1.0	2.5	R	4.0	MR	46	MS
5	RCM 1-61	3.5	1.0	3.5	MR	3.5	MR	62	S
6	RCM 1-76	2.5	1.0	2.5	R	5.5	MS	31	MS
7	Hemant (Check)	2.5	1.0	2.5	R	3.0	R	50	MS
8	Vijay (Check)	2.0	1.0	2.0	R	5.0	MR	70	S
9	Susc. Check	6.0	2.0	6.0	MS	6.0	MS	76	S
Z1	Location Mean	3.1	1.1			4.6		49	
Z2	CV (%)	18.1	42.4			23.3		33	
Z3	F (Prob)	0.0	0.5			0.1		0	
Z4	CD (5%)	1.3	1.1			2.5		37	
Z5	CD (1%)	1.9	1.6			3.6		54	

Susceptible check: Surya (TLB); Early Composite (BLSB, BSR)

*ALMO (Data rejected due to low disease pressure)

Table 9. Screening of NIVT (late maturity) maize hybrids in NWPZ

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	ADV 7132	5.0	4.5	4.0	4.5	MR	5.0	5.5	8.0	6.2	MS	3.3	MR	50	MS
2	AH 1625	6.0	3.0	3.5	4.2	MR	5.0	5.0	5.5	5.2	MS	3.1	R	73	S
3	AH 8087	5.0	4.0	4.0	4.3	MR	3.0	3.5	7.5	4.7	MR	4.2	MR	75	S
4	AH 8323	2.0	2.5	3.0	2.5	R	5.0	4.0	8.0	5.7	MS	2.7	R	47	MS
5	BH416112	5.0	2.0	3.5	3.5	MR	5.0	4.0	8.5	5.8	MS	4.0	MR	50	MS
6	BIO 534	5.0	4.5	4.5	4.7	MR	2.0	3.0	6.5	3.8	MR	4.4	MR	84	S
7	BIO 536	4.0	3.5	4.5	4.0	MR	7.0	3.0	8.5	6.2	MS	4.5	MR	75	S
8	BLH135	3.0	3.5	3.0	3.2	MR	2.0	4.0	8.0	4.7	MR	3.6	MR	92	S
9	BLH137	5.0	4.5	3.0	4.2	MR	4.0	4.0	7.0	5.0	MR	3.9	MR	74	S
10	BRMH-16039	5.0	4.5	4.0	4.5	MR	8.0	3.5	7.5	6.3	MS	3.3	MR	66	S
11	CMH14-716	5.0	4.5	4.5	4.7	MR	5.0	5.0	7.5	5.8	MS	3.6	MR	43	MS
12	CMH14-722	2.0	3.0	3.0	2.7	R	6.0	6.0	7.0	6.3	MS	5.7	MS	57	S
13	CP808 SUPER	5.0	2.0	2.5	3.2	MR	2.0	6.0	8.0	5.3	MS	3.8	MR	58	S
14	DH-315	2.0	2.5	3.5	2.7	R	5.0	7.0	9.0	7.0	MS	3.8	MR	52	S
15	FAUJI	2.0	3.5	4.5	3.3	MR	2.0	5.5	9.0	5.5	MS	5.4	MS	63	S
16	GK3124	2.0	4.0	3.5	3.2	MR	3.0	6.5	8.0	5.8	MS	4.7	MR	84	S
17	GK3164	5.0	3.5	3.5	4.0	MR	5.0	4.5	7.0	5.5	MS	4.0	MR	56	S
18	HKH-366	2.0	4.0	3.5	3.2	MR	-	3.5	9.0	6.3	MS	4.8	MR	59	S
19	HT18007	2.0	2.5	3.0	2.5	R	6.0	6.0	8.0	6.7	MS	3.8	MR	56	S
20	IMHSB-17K-08	5.0	3.5	3.0	3.8	MR	7.0	2.5	7.0	5.5	MS	2.8	R	72	S
21	IMHVS-005	2.0	6.5	5.0	4.5	MR	6.0	4.0	7.5	5.8	MS	3.7	MR	53	S
22	JH 15002	4.0	3.5	4.0	3.8	MR	5.0	5.0	7.5	5.8	MS	3.8	MR	73	S
23	JH 16026	5.0	1.0	2.5	2.8	R	4.0	6.5	7.5	6.0	MS	4.5	MR	60	S
24	JH 16224	4.0	4.5	2.5	3.7	MR	6.0	4.5	8.0	6.2	MS	3.6	MR	69	S
25	JH 17014	4.0	5.5	3.0	4.2	MR	8.0	5.5	8.0	7.2	S	4.2	MR	52	S
26	JH 17026	5.0	5.5	3.0	4.5	MR	5.0	3.0	7.0	5.0	MR	5.2	MS	65	S
27	JH 17029	2.0	4.5	4.0	3.5	MR	3.0	4.0	6.5	4.5	MR	4.0	MR	43	MS
28	JKMH1581	6.0	3.5	3.0	4.2	MR	5.0	4.0	8.0	5.7	MS	4.0	MR	44	MS
29	KMH-005	5.0	4.5	3.5	4.3	MR	3.0	4.0	7.0	4.7	MR	4.7	MR	76	S
30	KMH-1(CAH1612)	5.0	4.5	3.5	4.3	MR	3.0	4.5	8.5	5.3	MS	3.7	MR	78	S
31	KNMH-4185	6.0	5.5	5.0	5.5	MS	5.0	4.0	7.5	5.5	MS	4.2	MR	59	S
32	KNMH-4187	4.0	2.5	2.5	3.0	R	8.0	4.5	8.0	6.8	MS	4.2	MR	48	MS
33	MAH-14-138	5.0	4.5	3.0	4.2	MR	4.0	5.0	8.0	5.7	MS	5.2	MS	61	S
34	MAH-14-239	5.0	5.5	3.5	4.7	MR	5.0	4.0	7.0	5.3	MS	4.3	MR	56	S
35	MFH18-13	5.0	.	.	5.0	MR	-	3.5	-	3.5	MR	-	-	-	-
36	MFH18-14	2.0	4.0	5.0	3.7	MR	7.0	3.5	8.5	6.3	MS	6.7	MS	81	S

Contd.

Table 9. (Contd.)

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
37	MM2033	7.0	2.5	3.5	4.3	MR	5.0	4.5	9.0	6.2	MS	4.5	MR	69	S
38	MM2828	5.0	4.5	4.5	4.7	MR	4.0	3.0	7.5	4.8	MR	3.9	MR	90	S
39	MM9207	5.0	5.0	3.5	4.5	MR	7.0	5.5	7.0	6.5	MS	4.5	MR	91	S
40	OMH 17-2	5.0	2.5	3.5	3.7	MR	2.0	3.0	7.0	4.0	MR	5.0	MR	72	S
41	PHM1801 (CAH1801)	5.0	2.0	4.5	3.8	MR	7.0	4.0	7.5	6.2	MS	5.3	MS	46	MS
42	PM18101L	4.0	4.5	3.5	4.0	MR	7.0	3.5	8.5	6.3	MS	3.6	MR	57	S
43	PM18102L	7.0	2.0	3.0	4.0	MR	4.0	2.5	6.0	4.2	MR	3.5	MR	69	S
44	PM18103L	5.0	5.0	3.5	4.5	MR	3.0	3.5	7.0	4.5	MR	3.7	MR	68	S
45	PM18104L	5.0	6.0	4.5	5.2	MS	5.0	4.5	8.0	5.8	MS	3.5	MR	78	S
46	PM18105L	4.0	3.0	3.5	3.5	MR	5.0	2.0	7.5	4.8	MR	5.6	MS	53	S
47	PM18106L	2.0	2.5	3.0	2.5	R	4.0	4.5	8.0	5.5	MS	4.4	MR	73	S
48	QMH 1590	2.0	4.5	5.0	3.8	MR	2.0	4.5	9.0	5.2	MS	5.1	MR	72	S
49	QMH1571	5.0	5.0	5.0	5.0	MR	7.0	5.0	7.5	6.5	MS	3.8	MR	55	S
50	Rasi 4992	2.0	2.5	3.0	2.5	R	4.0	4.5	8.5	5.7	MS	4.2	MR	78	S
51	Rasi 70197	5.0	3.0	4.5	4.2	MR	2.0	4.5	8.0	4.8	MR	4.5	MR	46	MS
52	STARX-5	5.0	4.5	3.0	4.2	MR	2.0	3.5	6.5	4.0	MR	6.6	MS	69	S
53	SUPER-4050	5.0	6.0	4.5	5.2	MS	4.0	5.5	7.5	5.7	MS	5.6	MS	53	S
54	SYN816514	6.0	1.5	3.5	3.7	MR	7.0	4.5	8.0	6.5	MS	4.2	MR	44	MS
55	TS2505	2.0	2.0	4.5	2.8	R	5.0	5.5	7.5	6.0	MS	4.1	MR	74	S
56	TS2601	4.0	2.0	3.5	3.2	MR	5.0	4.5	8.5	6.0	MS	4.8	MR	54	S
57	X5826	4.0	5.5	4.5	4.7	MR	5.0	5.0	8.0	6.0	MS	4.1	MR	52	S
58	X5873	4.0	3.0	3.5	3.5	MR	4.0	5.5	8.5	6.0	MS	3.3	MR	55	S
59	BIO 9682 (C)	5.0	3.5	3.5	4.0	MR	7.0	4.5	7.0	6.2	MS	3.8	MR	44	MS
60	CMH 08-282 (C)	2.0	2.0	3.0	2.3	R	4.0	4.0	6.5	4.8	MR	3.7	MR	68	S
61	CMH 08-287 (C)	5.0	2.5	3.5	3.7	MR	8.0	3.0	6.5	5.8	MS	5.0	MR	82	S
62	NK 6240 (C)	2.0	2.5	3.0	2.5	R	5.0	5.0	8.0	6.0	MS	4.1	MR	59	S
63	LM 13 (R. Check)/filler	3.0	3.5	4.5	3.7	MR	5.0	3.0	9.0	5.7	MS	4.6	MR	58	S
64	Sus. Check	2.0	5.0	3.0	3.3	MR	9.0	5.5	8.5	7.7	S	3.6	MR	55	S
Z1	Location Mean	4.1	3.7	3.7			4.9	4.4	7.7			4.3		63	
Z2	CV (%)	0.0	32.9	19.1			0.0	32.7	13.5			17.9		28	
Z3	F (Prob)	0.0	0.0	0.0			0.0	0.4	0.3			0.0		0	
Z4	CD (5%)	0.0	2.4	1.4			0.0	2.9	2.1			1.5		36	
Z5	CD (1%)	0.0	3.2	1.9			0.0	3.8	2.8			2.0		47	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)

Table 10. Screening of NIVT (medium maturity) maize hybrids in NWPZ

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	*KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	AH 4158	5.0	5.0	4.0	4.7	MR	2.0	5.0	8.5	5.3	MS	3.3	MR	29	MS
2	AH 4271	7.0	6.0	5.0	6.0	MS	3.0	4.0	8.5	5.8	MS	4.4	MR	25	MR
3	AH8070	7.0	2.5	2.5	4.0	MR	7.0	3.5	7.5	7.3	S	2.5	R	50	MS
4	AH8071	5.0	3.0	3.0	3.7	MR	3.0	4.5	8.5	5.8	MS	2.6	R	63	S
5	BH416032	5.0	2.5	3.5	3.7	MR	3.0	4.0	7.5	5.3	MS	3.7	MR	55	S
6	BH416067	2.0	4.5	3.5	3.3	MR	7.0	3.5	8.5	7.8	S	3.1	R	26	MS
7	BH416215	6.0	2.5	3.0	3.8	MR	8.0	2.5	8.5	8.3	S	3.4	MR	33	MS
8	BLH136	5.0	3.0	3.0	3.7	MR	5.0	6.0	7.5	6.3	MS	2.9	R	17	MR
9	CAH1511	2.0	2.5	3.0	2.5	R	6.0	4.5	8.0	7.0	MS	3.1	R	42	MS
10	CMH2425	6.0	3.0	5.0	4.7	MR	5.0	5.0	9.0	7.0	MS	5.5	MS	46	MS
11	CMH2525	4.0	4.5	4.5	4.3	MR	5.0	3.0	8.0	6.5	MS	4.0	MR	51	S
12	DH-316	4.0	3.5	4.5	4.0	MR	3.0	4.5	8.5	5.8	MS	4.4	MR	22	MR
13	DH-317	5.0	3.0	3.0	3.7	MR	5.0	-	9.0	7.0	MS	2.0	R	29	MS
14	DHM -117 (FILLER)	2.0	4.0	3.0	3.0	R	4.0	4.0	8.0	6.0	MS	3.1	R	10	R
15	H1013	5.0	5.0	5.5	5.2	MS	8.0	2.5	9.0	8.5	S	5.2	MS	33	MS
16	HKH-368	5.0	4.0	3.5	4.2	MR	4.0	3.5	8.0	6.0	MS	4.3	MR	48	MS
17	HKH-369	5.0	3.5	3.5	4.0	MR	2.0	3.5	8.5	5.3	MS	3.1	R	60	S
18	HT18607	5.0	2.5	3.0	3.5	MR	7.0	4.5	7.5	7.3	S	3.3	MR	21	MR
19	IH-0965	2.0	8.0	6.0	5.3	MS	7.0	3.5	9.0	8.0	S	6.6	MS	58	S
20	IH-1604	6.0	6.5	5.5	6.0	MS	5.0	2.0	6.5	5.8	MS	4.7	MR	71	S
21	IMHL-K-1	5.0	3.5	3.0	3.8	MR	5.0	3.5	8.5	6.8	MS	5.1	MR	35	MS
22	IMHL-K-2	2.0	1.5	3.5	2.3	R	3.0	4.0	8.0	5.5	MS	3.3	MR	33	MS
23	IMHL-K-3	5.0	1.5	2.5	3.0	R	5.0	3.0	7.0	6.0	MS	3.7	MR	23	MR
24	IMHSB-18K-03	5.0	3.0	4.0	4.0	MR	5.0	4.0	7.5	6.3	MS	3.2	MR	28	MS
25	IMHSB-18K-04	5.0	3.0	3.5	3.8	MR	6.0	4.0	7.5	6.8	MS	3.6	MR	25	MR
26	IMHSB-18K-07	5.0	4.0	4.0	4.3	MR	8.0	4.5	9.0	8.5	S	3.2	MR	25	MR
27	IMHSB-18K-10	2.0	2.5	3.5	2.7	R	.	5.0	9.0	9.0	S	3.0	R	15	MR
28	IMHSB-18K-11	6.0	3.5	4.0	4.5	MR	6.0	5.0	8.5	7.3	S	4.5	MR	75	S
29	IMHSB-18K-12	2.0	2.5	4.0	2.8	R	4.0	5.0	8.5	6.3	MS	4.3	MR	38	MS
30	IMHSB-18K-13	2.0	3.5	5.5	3.7	MR	5.0	6.0	7.5	6.3	MS	4.1	MR	77	S
31	IMHSB-18K-14	5.0	6.5	4.0	5.2	MS	6.0	5.5	7.0	6.5	MS	3.4	MR	25	MR
32	IMHSB-18K-15	5.0	1.5	3.0	3.2	MR	9.0	3.0	8.0	8.5	S	2.6	R	54	S
33	IMHSB-18K-16	6.0	5.0	4.5	5.2	MS	4.0	4.0	9.0	6.5	MS	4.2	MR	28	MS
34	IMHSB-18K-18	5.0	3.0	3.5	3.8	MR	2.0	4.0	7.5	4.8	MR	2.8	R	29	MS

Contd.

Table 10. (Contd.)

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	*KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
35	IMHSB-18K-2	5.0	4.5	4.5	4.7	MR	7.0	4.5	8.0	7.5	S	4.2	MR	48	MS
36	IMHSB-18K-5	6.0	1.0	3.0	3.3	MR	5.0	2.5	7.0	6.0	MS	3.0	R	24	MR
37	IMHSB-18K-6	5.0	6.0	5.5	5.5	MS	6.0	4.5	6.5	6.3	MS	3.4	MR	15	MR
38	IMHSB-18K-8	4.0	4.0	4.5	4.2	MR	4.0	4.0	8.0	6.0	MS	3.6	MR	33	MS
39	IMHSB-18K-9	5.0	5.5	4.5	5.0	MR	7.0	3.0	9.0	8.0	S	5.6	MS	25	MR
40	IMHVS-001	6.0	5.5	2.5	4.7	MR	6.0	5.5	9.0	7.5	S	3.3	MR	33	MS
41	IMHVS-002	5.0	2.0	3.0	3.3	MR	4.0	4.0	8.0	6.0	MS	4.7	MR	22	MR
42	INDAM 1118	5.0	3.0	2.5	3.5	MR	2.0	3.0	8.5	5.3	MS	3.5	MR	34	MS
43	IS8249(DKC8191)	5.0	2.5	2.5	3.3	MR	5.0	2.0	7.5	6.3	MS	4.4	MR	50	MS
44	IS8425(DKC9194)	4.0	3.0	3.0	3.3	MR	2.0	4.5	8.5	5.3	MS	3.5	MR	48	MS
45	IS8640(DKC9198)	6.0	3.0	4.5	4.5	MR	5.0	2.5	8.0	6.5	MS	3.3	MR	61	S
46	IS8723(DKC9190)	5.0	2.0	2.5	3.2	MR	3.0	4.0	8.0	5.5	MS	2.7	R	40	MS
47	JKMH1518	5.0	3.5	3.5	4.0	MR	3.0	4.0	7.0	5.0	MR	2.7	R	47	MS
48	KMH 17-105	4.0	7.0	6.0	5.7	MS	6.0	6.0	9.0	7.5	S	4.4	MR	47	MS
49	KMH 17-6	4.0	5.0	4.5	4.5	MR	6.0	4.0	7.5	6.8	MS	5.4	MS	49	MS
50	KMH-004	6.0	3.5	3.0	4.2	MR	7.0	2.0	7.5	7.3	S	3.3	MR	31	MS
51	KNMH-4181	4.0	5.5	5.5	5.0	MR	8.0	5.0	9.0	8.5	S	5.1	MR	50	MS
52	KNMH-4182	6.0	6.0	5.0	5.7	MS	4.0	4.0	9.0	6.5	MS	5.2	MS	26	MS
53	KNMH-4183	4.0	3.5	3.0	3.5	MR	6.0	4.5	7.0	6.5	MS	2.7	R	63	S
54	KNMH-4184	6.0	3.0	3.5	4.2	MR	5.0	4.0	8.5	6.8	MS	3.6	MR	40	MS
55	LMH 1217	5.0	6.0	4.5	5.2	MS	3.0	5.0	8.5	5.8	MS	4.4	MR	56	S
56	LMH 1417	5.0	3.0	3.0	3.7	MR	8.0	4.0	7.5	7.8	S	3.6	MR	64	S
57	LMH 3117	5.0	4.0	2.5	3.8	MR	7.0	4.5	9.0	8.0	S	4.2	MR	43	MS
58	LMH 3417	2.0	4.5	4.0	3.5	MR	4.0	5.0	8.5	6.3	MS	3.9	MR	24	MR
59	MM9309	5.0	3.5	2.5	3.7	MR	5.0	5.5	8.5	6.8	MS	4.7	MR	43	MS
60	MMH-1708	2.0	5.5	5.5	4.3	MR	4.0	5.5	8.5	6.3	MS	4.9	MR	48	MS
61	MMH18-11	4.0	5.5	4.5	4.7	MR	4.0	.	8.5	6.3	MS	5.7	MS	46	MS
62	MMH18-12	4.0	2.5	3.5	3.3	MR	5.0	4.5	8.5	6.8	MS	3.9	MR	58	S
63	NAVNEET	2.0	5.0	3.5	3.5	MR	6.0	3.5	8.0	7.0	MS	4.1	MR	39	MS
64	OMH 17-47	2.0	3.0	3.5	2.8	R	7.0	4.5	7.0	7.0	MS	4.6	MR	55	S
65	PM18107M	6.0	4.0	2.5	4.2	MR	6.0	3.5	8.5	7.3	S	3.7	MR	38	MS
66	PM18108M	5.0	1.5	4.0	3.5	MR	2.0	3.0	8.5	5.3	MS	2.4	R	23	MR
67	RCRMH7(ZH138388)	4.0	2.0	3.5	3.2	MR	5.0	5.0	7.5	6.3	MS	2.6	R	37	MS
68	RCRMH9(CAH1713)	5.0	4.5	4.0	4.5	MR	4.0	4.5	8.5	6.3	MS	4.3	MR	39	MS

Contd.

Table 10. (Contd.)

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	*KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
69	SYN816604	5.0	3.0	4.0	4.0	MR	5.0	4.5	8.0	6.5	MS	3.3	MR	44	MS
70	TMMH886	5.0	4.0	4.0	4.3	MR	5.0	5.5	9.0	7.0	MS	2.5	R	13	MR
71	TS2506	7.0	5.0	3.5	5.2	MS	4.0	2.0	8.5	6.3	MS	3.9	MR	43	MS
72	TUFAN	5.0	2.5	4.5	4.0	MR	4.0	5.0	8.0	6.0	MS	3.8	MR	26	MS
73	VH11130	5.0	3.5	4.0	4.2	MR	5.0	5.0	9.0	7.0	MS	5.5	MS	16	MR
74	VaMH 15015	5.0	5.0	4.0	4.7	MR	7.0	4.0	6.0	6.5	MS	3.4	MR	40	MS
75	ZH161032	5.0	3.5	3.5	4.0	MR	4.0	5.0	8.5	6.3	MS	3.5	MR	-	-
76	BIO 9544 (C)	6.0	3.5	3.0	4.2	MR	5.0	4.0	8.5	5.8	MS	4.2	MR	52	S
77	CMH-08-292 (C)	4.0	2.0	3.5	3.2	MR	6.0	3.5	6.5	5.3	MS	2.7	R	44	MS
78	DHM-121 (C)	5.0	2.5	3.5	3.7	MR	3.0	3.0	8.0	4.7	MR	3.6	MR	72	S
79	LM 13 (R Check)/filler	6.0	3.5	3.0	4.2	MR	7.0	3.5	9.0	6.5	MS	3.1	R	41	MS
80	Sus Check	5.0	5.0	4.0	4.7	MR	7.0	2.5	8.0	5.8	MS	5.4	MS	51	S
Z1	Location Mean	4.7	3.8	3.8			5.1	4.1	8.1			3.8		63	
Z2	CV (%)	0.0	22.0	21.0			0.0	31.4	9.2			29.4		1	
Z3	F (Prob)	0.0	0.0	0.0			0.0	0.2	0.0			0.1		49	
Z4	CD (5%)	0.0	1.6	1.6			0.0	2.5	1.5			2.2		65	
Z5	CD (1%)	0.0	2.2	2.1			0.0	3.4	2.0			3.0		35	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*KARN (Data rejected due to low disease pressure)

Table 11. Screening of NIVT (early maturity) maize hybrids in NWPZ

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	*DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	AH 1619	6.0	5.0	4.0	5.0	MR	7.0	5.5	8.5	7.0	MS	4.9	MR	36	MS
2	AH8106	4.0	2.0	2.0	2.7	R	5.0	4.0	7.5	5.8	MS	5.1	MR	38	MS
3	AH8181	4.0	5.5	4.0	4.5	MR	4.0	3.5	7.5	5.5	MS	4.6	MR	30	MS
4	DH-318	2.0	5.0	2.5	3.2	MR	6.0	5.0	9.0	7.0	MS	4.4	MR	70	S
5	DH-319	5.0	4.0	3.0	4.0	MR	6.0	4.0	9.0	6.5	MS	3.4	MR	45	MS
6	DHM 117 (FILLER)	5.0	5.0	3.5	4.5	MR	2.0	5.5	8.0	6.8	MS	3.7	MR	45	MS
7	EH-2936	6.0	3.5	2.5	4.0	MR	5.0	4.5	8.0	6.3	MS	6.4	MS	55	S
8	EH-3369	5.0	4.5	3.0	4.2	MR	4.0	4.0	9.0	6.5	MS	6.0	MS	46	MS
9	FH3861	8.0	4.5	4.0	5.5	MS	5.0	4.5	9.0	6.8	MS	7.2	S	31	MS
10	FH3864	6.0	2.5	2.5	3.7	MR	6.0	4.0	9.0	6.5	MS	7.2	S	83	S
11	FH3875	5.0	5.0	3.0	4.3	MR	2.0	6.5	8.5	7.5	S	5.4	MS	54	S
12	FH3879	2.0	2.0	2.5	2.2	R	7.0	4.5	8.0	6.3	MS	5.5	MS	24	MR
13	HKH-365	4.0	3.0	3.0	3.3	MR	3.0	4.0	9.0	6.5	MS	4.4	MR	47	MS
14	IMHSB-18K-01	2.0	6.0	4.5	4.2	MR	4.0	4.0	8.0	6.0	MS	6.6	MS	46	MS
15	IMHVS-003	4.0	4.0	4.5	4.2	MR	2.0	3.5	8.5	6.0	MS	5.9	MS	51	S
16	IMHVS-004	5.0	3.5	4.5	4.3	MR	4.0	5.0	9.0	7.0	MS	5.5	MS	49	MS
17	JH 31950	4.0	4.0	3.5	3.8	MR	5.0	5.5	8.0	6.8	MS	4.4	MR	13	MR
18	JH 32014	5.0	4.0	3.0	4.0	MR	3.0	3.5	8.0	5.8	MS	3.6	MR	53	S
19	JH 32055	5.0	2.0	2.5	3.2	MR	6.0	6.0	8.5	7.3	S	5.8	MS	31	MS
20	JH 32056	5.0	1.5	2.5	3.0	R	3.0	5.5	8.5	7.0	MS	4.6	MR	47	MS
21	JH 32057	4.0	4.5	4.0	4.2	MR	3.0	5.5	8.0	6.8	MS	4.5	MR	23	MR
22	JH 32094	5.0	2.5	3.0	3.5	MR	5.0	4.5	7.0	5.8	MS	3.7	MR	44	MS
23	KMH 17-38	2.0	4.0	3.5	3.2	MR	5.0	4.0	9.0	6.5	MS	6.4	MS	67	S
24	KMH 17-89	5.0	7.0	5.0	5.7	MS	5.0	3.0	9.0	6.0	MS	7.5	S	53	S
25	LMH 3817	5.0	3.5	3.0	3.8	MR	4.0	5.0	9.0	7.0	MS	5.7	MS	51	S
26	LMH 3917	2.0	4.0	3.0	3.0	R	5.0	6.5	9.0	7.8	S	7.9	S	20	MR
27	LMH 4017	2.0	4.5	4.0	3.5	MR	6.0	6.0	8.5	7.3	S	8.1	S	58	S
28	RCRMH10(CAH174)	5.0	4.0	4.0	4.3	MR	5.0	4.5	9.0	6.8	MS	5.4	MS	25	MR
29	RCRMH11(CAH173)	5.0	6.5	3.5	5.0	MR	4.0	5.0	9.0	7.0	MS	4.4	MR	33	MS
30	REH2016-1	6.0	6.0	5.5	5.8	MS	3.0	4.5	7.5	6.0	MS	4.6	MR	59	S
31	VIRAT	5.0	3.0	4.0	4.0	MR	5.0	5.0	8.5	6.8	MS	5.7	MS	42	MS
32	X104	2.0	3.5	4.0	3.2	MR	7.0	5.5	7.5	6.5	MS	4.6	MR	20	MR
33	BIO 605 (C)	5.0	3.5	3.5	4.0	MR	2.0	2.0	7.5	4.8	MR	4.9	MR	35	MS
34	DKC 7074 (C)	5.0	2.0	2.5	3.2	MR	4.0	4.0	7.5	5.8	MS	5.2	MS	53	S

Contd.

Table 11. (Contd.)

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	*DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
35	PMH 5 (C)	5.0	6.0	5.0	5.3	MS	7.0	6.0	9.0	7.5	S	6.0	MS	40	MS
36	Vivek Maize Hybrid 45 (Check)	5.0	3.0	2.5	3.5	MR	4.0	7.0	9.0	8.0	S	4.1	MR	64	S
37	Vivek Maize Hybrid 51 (Check)	4.0	4.0	3.5	3.8	MR	6.0	5.5	8.5	7.0	MS	4.8	MR	39	MS
38	LM 13 (R. Check)/filler	6.0	4.5	2.0	4.2	MR	4.0	3.0	8.0	5.5	MS	6.1	MS	21	MR
39	Sus Check	5.0	4.5	3.5	4.3	MR	2.0	3.5	9.0	6.3	MS	5.6	MS	75	S
Z1	Location Mean	4.5	4.0	3.4			4.5	4.7	8.4			5.4		44	
Z2	CV (%)	0.0	21.0	24.9			0.0	26.0	10.7			22.8		60	
Z3	F (Prob)	0.0	0.0	0.0			0.0	0.1	0.6			0.0		1	
Z4	CD (5%)	0.0	1.7	1.7			0.0	2.5	1.8			2.5		54	
Z5	CD (1%)	0.0	2.3	2.3			0.0	3.3	2.4			3.3		72	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*DELH (Data rejected due to low disease pressure)

Table 12. Screening of AVT I II (late maturity) maize hybrids in NWPZ

S.No	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	ADV1390164	5.0	6.5	4.0	5.2	MS	5.0	5.0	8.5	6.2	MS	3.7	MR	63	S
2	B-57	5.0	3.0	3.0	3.7	MR	3.0	3.5	8.0	4.8	MR	3.5	MR	42	MS
3	BIO 218	8.0	6.0	3.0	5.7	MS	4.0	2.5	7.5	4.7	MR	4.2	MR	50	MS
4	CP 858	2.0	3.5	3.5	3.0	R	2.0	5.0	8.0	5.0	MR	5.1	MR	56	S
5	CP777	5.0	4.0	3.5	4.2	MR	2.0	4.0	8.0	4.7	MR	5.2	MS	49	MS
6	DKC 9178	5.0	4.5	2.5	4.0	MR	2.0	5.0	7.5	4.8	MR	3.3	MR	35	MS
7	DKC9185(IR8449)	2.0	4.0	2.5	2.8	R	3.0	4.5	8.0	5.2	MS	3.5	MR	23	MR
8	HT17169	4.0	3.0	2.5	3.2	MR	4.0	3.0	8.5	5.2	MS	3.4	MR	65	S
9	JH 13278	6.0	3.5	2.5	4.0	MR	3.0	5.0	7.5	5.2	MS	4.6	MR	36	MS
10	JH 15011	5.0	7.0	5.0	5.7	MS	4.0	4.5	9.0	5.8	MS	7.2	S	49	MS
11	JH 15130	5.0	4.5	2.5	4.0	MR	2.0	3.5	8.5	4.7	MR	5.8	MS	61	S
12	JH 16040	5.0	5.5	4.5	5.0	MR	3.0	4.0	8.5	5.2	MS	5.3	MS	65	S
13	JH 16041	4.0	4.5	2.5	3.7	MR	3.0	3.5	8.0	4.8	MR	4.8	MR	56	S
14	JH 16081	5.0	3.5	3.5	4.0	MR	5.0	3.5	8.0	5.5	MS	2.8	R	34	MS
15	JKMH150375	6.0	4.0	2.5	4.2	MR	4.0	5.0	8.0	5.7	MS	4.0	MR	58	S
16	JKMH4152	4.0	4.0	3.0	3.7	MR	4.0	3.5	8.5	5.3	MS	3.5	MR	36	MS
17	KMH-463	5.0	3.5	2.5	3.7	MR	2.0	4.0	8.0	4.7	MR	3.1	R	50	MS
18	PM16103L	5.0	4.0	3.0	4.0	MR	2.0	5.5	8.5	5.3	MS	3.8	MR	21	MR
19	SUPER1818	5.0	2.0	2.5	3.2	MR	5.0	4.0	8.5	5.8	MS	3.1	R	52	S
20	BIO 9682 (C)	6.0	2.0	4.0	4.0	MR	2.0	2.5	8.0	4.2	MR	4.6	MR	54	S
21	CMH 08-282 (C)	5.0	4.5	2.5	4.0	MR	3.0	6.0	8.5	5.8	MS	4.4	MR	45	MS
22	CMH 08-287 (C)	2.0	4.0	3.0	3.0	R	2.0	4.0	8.0	4.7	MR	3.8	MR	40	MS
23	LM 13 (R. Check)/filler	5.0	4.0	4.0	4.3	MR	2.0	4.0	9.0	5.0	MR	5.1	MR	86	S
24	Sus. Check	4.0	5.0	3.5	4.2	MR	8.0	4.0	9.0	7.0	MS	4.9	MR	43	MS
Z1	Location Mean	4.7	4.2	3.2			3.3	4.1	8.2			4.3		49	
Z2	CV (%)	0.0	22.9	25.9			0.0	29.0	6.9			22.6		54	
Z3	F (Prob)	0.0	0.0	0.1			0.0	0.4	0.3			0.0		1	
Z4	CD (5%)	0.0	2.0	1.7			0.0	2.5	1.2			2.0		54	
Z5	CD (1%)	0.0	2.7	2.3			0.0	3.4	1.6			2.7		73	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)

Table 13. Screening of AVT I II (medium maturity) maize hybrids in NWPZ

S.No	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	*DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	AH 1606	5.0	2.5	3.0	3.5	MR	4.0	4.5	8.0	6.3	MS	4.3	MR	36	MS
2	BH415100	5.0	3	3.5	3.8	MR	3.0	6.0	9.0	7.5	S	4.8	MR	49	MS
3	BLH118	4.0	5.5	4.0	4.5	MR	2.0	3.5	7.5	5.5	MS	5.1	MR	31	MS
4	IMHBG-17K-22	5.0	4.5	3.5	4.3	MR	2.0	4.0	9.0	6.5	MS	4.2	MR	40	MS
5	IMHBG-17K-6	5.0	2.5	3.0	3.5	MR	2.0	3.0	8.0	5.5	MS	4.1	MR	28	MS
6	JH 16045	6.0	3	3.5	4.2	MR	2.0	3.0	8.0	5.5	MS	5.1	MR	50	MS
7	JKMH4157	4.0	5	3.5	4.2	MR	5.0	6.0	8.5	7.3	S	4.2	MR	17	MR
8	NMH 4053	5.0	4.5	4.5	4.7	MR	5.0	4.5	8.5	6.5	MS	5.6	MS	19	MR
9	Bio 9544 (C)	5.0	4.5	3.0	4.2	MR	3.0	4.5	8.0	6.3	MS	3.5	MR	24	MR
10	CMH-08-292 (C)	6.0	2.5	3.0	3.8	MR	2.0	5.0	8.0	6.5	MS	2.8	R	83	S
11	DHM 121 (C)	2.0	4	4.0	3.3	MR	3.0	3.0	8.0	5.5	MS	3.5	MR	19	MR
12	LM 13 (R. Check)/filler	6.0	4	4.0	4.7	MR	4.0	4.0	9.0	6.5	MS	2.9	R	52	S
13	Sus. Check	5.0	5.5	5.0	5.2	MS	3.0	3.0	9.0	6.0	MS	5.0	MR	58	S
Z1	Location Mean	4.9	3.9	3.7			3.1	4.2	8.4			4.2		39	
Z2	CV (%)	0.0	35.7	11.6			0.0	27.3	6.4			31.1		70	
Z3	F (Prob)	0.0	0.3	0.0			0.0	0.2	0.2			0.6		1	
Z4	CD (5%)	0.0	3.1	0.9			0.0	2.5	1.2			2.9		59	
Z5	CD (1%)	0.0	4.3	1.3			0.0	3.5	1.6			4.0		83	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*DELH (Data rejected due to low disease pressure)

Table 14. Screening of AVT I II (early maturity) maize hybrids in NWPZ

S.No	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	*DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	AH 7080	5.0	3.7	4.5	4.4	MR	3.0	5.5	9.0	7.3	S	5.1	MR	43	MS
2	BIO 605	5.0	4.3	4.0	4.4	MR	4.0	4.0	8.3	6.2	MS	4.4	MR	43	MS
3	DKC 7074	5.0	2.3	4.0	3.8	MR	4.0	4.0	8.3	6.2	MS	4.1	MR	30	MS
4	JH 31983	6.0	2.7	3.5	4.1	MR	3.0	4.0	8.3	6.2	MS	5.8	MS	45	MS
5	PMH 5	6.0	6.3	5.0	5.8	MS	5.0	4.3	8.7	6.5	MS	6.9	MS	39	MS
6	LM 13 (R Check)/filler	5.0	3.0	3.0	3.7	MR	2.0	6.0	9.0	7.5	S	2.9	R	28	MS
7	Sus Check	7.0	3.5	4.5	5.0	MR	2.0	3.7	9.0	6.3	MS	4.9	MR	63	S
Z1	Location Mean	5.57	3.7	4.1			3.3	4.5	8.7			4.9		42	
Z2	CV (%)	0	33.3	8.5			0.0	27.1	5.0			17.5		45	
Z3	F (Prob)	0	0.0	0.0			0.0	0.2	0.2			0.0		0	
Z4	CD (5%)	0	2.2	0.6			0.0	2.2	0.8			1.5		34	
Z5	CD (1%)	0	3.1	0.9			0.0	3.1	1.1			2.1		47	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)

*DELH (Data rejected due to low disease pressure)

Table 15. Screening of QPM I II III hybrids in NWPZ

S.No	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	*DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	APH 2	4.0	3.5	4.5	4.0	MR	3.0	5.5	8.0	6.8	MS	7.0	MS	39	MS
2	APQH1(QPM+PRO-A)	6.0	6.0	4.0	5.3	MS	5.0	4.0	9.0	6.5	MS	5.8	MS	64	S
3	APQH5(QPM+PRO-A)	5.0	4.5	4.0	4.5	MR	6.0	4.5	8.5	6.5	MS	4.5	MR	65	S
4	EHQ-64	2.0	2.5	4.0	2.8	R	8.0	3.0	8.5	5.8	MS	3.3	MR	58	S
5	EHQ-640	5.0	4.5	3.5	4.3	MR	6.0	3.5	8.5	6.0	MS	5.5	MS	65	S
6	FQH-140	5.0	5.0	3.5	4.5	MR	5.0	4.5	9.0	6.8	MS	7.2	S	69	S
7	FQH-148	5.0	7.5	4.5	5.7	MS	7.0	3.5	9.0	6.3	MS	7.8	S	94	S
8	IIMRQPMH 1601	4.0	4.5	4.5	4.3	MR	6.0	6.0	9.0	7.5	S	6.2	MS	74	S
9	IIMRQPMH 1708	5.0	3.5	4.5	4.3	MR	3.0	5.5	8.0	6.8	MS	5.2	MS	42	MS
10	IQPMH-18-1	6.0	3.5	3.5	4.3	MR	7.0	4.0	9.0	6.5	MS	5.3	MS	41	MS
11	IQPMH-18-2	5.0	4.0	4.0	4.3	MR	7.0	2.0	7.0	4.5	MR	5.0	MR	73	S
12	IQPMH-18-3	4.0	5.5	3.0	4.2	MR	7.0	7.0	9.0	8.0	S	5.1	MR	46	MS
13	IQPMH-18-4	5.0	3.0	3.0	3.7	MR	8.0	5.0	8.0	6.5	MS	5.9	MS	42	MS
14	IQPMH-18-5	4.0	6.5	4.5	5.0	MR	4.0	4.5	9.0	6.8	MS	6.5	MS	67	S
15	KDQH-55(CAH1824)	5.0	5.0	5.0	5.0	MR	5.0	5.5	9.0	7.3	S	4.3	MR	53	S
16	QPMMH 27	5.0	3.5	3.5	4.0	MR	5.0	3.0	8.0	5.5	MS	6.7	MS	35	MS
17	QPMMH-41	2.0	3.5	3.0	2.8	R	6.0	4.0	8.5	6.3	MS	3.6	MR	37	MS
18	QQPMH 14153	5.0	6.0	4.5	5.2	MS	5.0	4.0	8.5	6.3	MS	4.5	MR	85	S
19	APQH 9 (C)	5.0	7.0	6.0	6.0	MS	7.0	8.0	9.0	8.5	S	8.3	S	75	S
20	HQPM 5 (C)	5.0	5.0	4.0	4.7	MR	4.0	4.5	8.5	6.5	MS	4.5	MR	50	MS
21	HQPM I (C)	4.0	5.0	5.0	4.7	MR	4.0	4.0	9.0	6.5	MS	6.4	MS	63	S
22	Pratap QPM Hybrid 1 (C)	5.0	5.0	4.0	4.7	MR	4.0	5.5	9.0	7.3	S	4.9	MR	83	S
23	LM 13 (R. Check)/filler	2.0	2.5	3.0	2.5	R	7.0	2.0	8.5	5.3	MS	3.4	MR	55	S
24	Sus. Check	6.0	6.5	3.5	5.3	MS	3.0	5.0	9.0	7.0	MS	5.3	MS	78	S
Z1	Location Mean	4.5	4.7	4.0			5.5	4.5	8.6			5.5		60	
Z2	CV (%)	0.0	22.4	20.1			0.0	22.5	7.3			22.6		31	
Z3	F (Prob)	0.0	0.0	0.1			0.0	0.0	0.3			0.0		0	
Z4	CD (5%)	0.0	2.2	1.7			0.0	2.1	1.3			2.6		38	
Z5	CD (1%)	0.0	3.0	2.3			0.0	2.9	1.8			3.5		52	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*DELH (Data rejected due to low disease pressure)

Table 16. Screening of sweet corn I II III hybrids in NWPZ

S. No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	BIO 4043	2.0	7.0	4.5	4.5	MR	7.0	2.0	7.0	5.3	MS	6.4	MS	25	MR
2	BSCH 416078	5.0	5.0	3.5	4.5	MR	5.0	3.5	8.5	5.7	MS	4.6	MR	0	R
3	BSCH 416086	5.0	8.0	6.0	6.3	MS	8.0	3.0	9.0	6.7	MS	4.4	MR	31	MS
4	DSCH-320	4.0	5.5	3.5	4.3	MR	7.0	3.0	8.0	6.0	MS	3.6	MR	0	R
5	FSCH-119	2.0	5.5	5.5	4.3	MR	7.0	5.0	7.5	6.5	MS	6.5	MS	38	MS
6	NUZI 205	5.0	3.5	3.0	3.8	MR	8.0	3.5	9.0	6.8	MS	3.9	MR	54	S
7	NUZI 260	5.0	4.0	3.5	4.2	MR	7.0	3.5	8.0	6.2	MS	4.6	MR	29	MS
8	SUGAR SWEET	5.0	7.0	4.0	5.3	MS	4.0	4.0	8.0	5.3	MS	5.5	MS	50	MS
9	TOP SWEET	4.0	4.5	3.5	4.0	MR	7.0	3.0	8.5	6.2	MS	4.6	MR	15	MR
10	VL SWEET CORN (C)	5.0	5.5	4.5	5.0	MR	5.0	5.5	9.0	6.5	MS	4.3	MR	12	MR
11	Misthi (C)	4.0	5.0	3.5	4.2	MR	6.0	5.5	9.0	6.8	MS	3.8	MR	8	R
12	R Check/filler	5.0	1.5	3.0	3.2	MR	7.0	3.0	7.5	5.8	MS	3.4	MR	17	MR
13	Sus Check	6.0	5.0	4.0	5.0	MR	5.0	4.0	8.0	5.7	MS	3.5	MR	17	MR
Z1	Location Mean	4.4	5.2	4.0			6.4	3.7	8.2			4.5		23	
Z2	CV (%)	0.0	25.6	13.6			0.0	34.5	7.0			18.9		121	
Z3	F (Prob)	0.0	0.0	0.0			0.0	0.3	0.1			0.0		1	
Z4	CD (5%)	0.0	2.9	1.2			0.0	2.8	1.3			1.9		60	
Z5	CD (1%)	0.0	4.0	1.7			0.0	3.9	1.8			2.6		84	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)

Table 17. Screening of popcorn I II III hybrids in NWPZ

S.No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		*DELH	KARN	LUDH	Av Score	Reaction	DELH	*KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	APCH 2	2.0	6.5	7.0	6.8	MS	8.0	5.0	8.5	8.3	S	4.9	MR	73	S
2	APCH 3	5.0	5.5	4.0	4.8	MR	6.0	3.0	9.0	7.5	S	6.2	MS	79	S
3	DHM 117 (FILLER)	5.0	3.5	5.5	4.5	MR	7.0	4.0	8.0	7.5	S	3.6	MR	58	S
4	DPCH-306 (Filler)	5.0	8.0	6.0	7.0	MS	6.0	4.0	8.5	7.3	S	6.4	MS	75	S
5	H 1012	8.0	8.0	6.5	7.3	S	8.0	4.0	8.5	8.3	S	5.7	MS	68	S
6	IHPC-1201	5.0	8.0	6.0	7.0	MS	4.0	4.0	9.0	6.5	MS	5.75	MS	50	MS
7	IHPC-1203	5.0	9.0	5.5	7.3	S	7.0	6.0	9.0	8.0	S	5.5	MS	55	S
8	REHPC2015-2 (Filler)	4.0	6.5	6.0	6.3	MS	6.0	5.0	9.0	7.5	S	4.9	MR	46	MS
9	DHM 121 (Check)	5.0	1.5	3.5	2.5	R	7.0	3.5	7.0	7.0	MS	4.7	MR	33	MS
10	Shalimar pop corn(C)	4.0	6.0	6.5	6.3	MS	5.0	5.0	9.0	7.0	MS	6.7	MS	71	S
11	VL Amber pop corn (C)	6.0	7.5	6.0	6.8	MS	5.0	3.5	9.0	7.0	MS	7.7	S	62	S
12	R Check/filler	4.0	1.5	3.0	2.3	R	8.0	3.0	8.5	8.3	S	3.3	MR	37	MS
13	Sus Check	2.0	3.5	5.5	4.5	MR	7.0	4.0	8.5	7.8	S	4.7	MR	76	S
Z1	Location Mean	4.6	5.8	5.5			6.5	4.2	8.6			5.4		60	
Z2	CV (%)	0.0	24.8	19.4			0.0	26.9	5.3			15.9		32	
Z3	F (Prob)	0.0	0.0	0.1			0.0	0.4	0.0			0.0		0	
Z4	CD (5%)	0.0	3.1	2.3			0.0	2.4	1.0			1.9		42	
Z5	CD (1%)	0.0	4.4	3.2			0.0	3.4	1.4			2.6		59	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*DELH, *KARN (Data rejected due to low disease pressure)

Table 18. Screening of baby corn I II III hybrids in NWPZ

S. No.	Genotype	MLB (1-9)					BLSB (1-9)					C Rot (1-9)		BSR (%)	
		DELH	KARN	LUDH	Av Score	Reaction	DELH	*KARN	PANT	Av Score	Reaction	LUDH	Reaction	PANT	Reaction
1	AH 7204	5.0	4.0	3.5	4.2	MR	7.0	3.0	9.0	8.0	S	7.3	S	42	MS
2	AH-5021	6.0	5.5	5.5	5.7	MS	8.0	3.0	8.5	8.3	S	6.2	MS	16	MR
3	AH-7043	5.0	3.0	3.5	3.8	MR	7.0	4.5	9.0	8.0	S	5.9	MS	21	MR
4	AH-7188	5.0	3.0	5.5	4.5	MR	8.0	2.0	9.0	8.5	S	7.8	S	50	MS
5	DHM 117 (FILLER)	4.0	2.5	4.0	3.5	MR	7.0	4.0	8.0	7.5	S	4.5	MR	42	MS
6	DHM 121 (FILLER)	5.0	2.5	4.0	3.8	MR	7.0	5.0	8.0	7.5	S	5.9	MS	40	MS
7	J 1006 (FILLER)	6.0	4.0	4.0	4.7	MR	6.0	4.0	7.0	6.5	MS	5.4	MS	25	MR
8	LMH 3517	5.0	2.5	3.5	3.7	MR	7.0	4.5	9.0	8.0	S	4.55	MR	37	MS
9	PAC321	2.0	1.5	2.5	2.0	R	5.0	4.0	9.0	7.0	MS	4.75	MR	46	MS
10	PMH 2	5.0	5.5	6.0	5.5	MS	5.0	3.0	9.0	7.0	MS	5.7	MS	20	MR
11	VL Baby corn 2 (C)	4.0	5.5	5.5	5.0	MR	5.0	3.5	9.0	7.0	MS	8.4	S	69	S
12	R Check/filler	5.0	2.5	3.5	3.7	MR	7.0	3.5	9.0	8.0	S	3.5	MR	32	MS
13	Sus Check	5.0	3.5	3.5	4.0	MR	6.0	4.5	8.5	7.3	S	6.8	MS	90	S
Z1	Location Mean	4.8	3.5	4.2			6.5	3.7	8.6			5.9		41	
Z2	CV (%)	0.0	29.3	21.3			0.0	29.4	5.7			12.3		48	
Z3	F (Prob)	0.0	0.0	0.0			0.0	0.4	0.0			0.0		0	
Z4	CD (5%)	0.0	2.2	1.9			0.0	2.4	1.1			1.6		43	
Z5	CD (1%)	0.0	3.1	2.7			0.0	3.4	1.5			2.2		60	

Susceptible check: Surya (MLB, C Rot); Early Composite (BLSB, BSR)
*KARN (Data rejected due to low disease pressure)

Table 19. Screening of NIVT (late maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	ADV 7132	4.5	MR	3.5
2	AH 1625	4.5	MR	3.0
3	AH 8087	5.5	MS	4.0
4	AH 8323	4.5	MR	4.0
5	BH416112	4.5	MR	3.0
6	BIO 534	6.0	MS	2.5
7	BIO 536	5.0	MR	3.0
8	BLH135	5.0	MR	4.5
9	BLH137	5.0	MR	2.5
10	BRMH-16039	5.0	MR	4.5
11	CMH14-716	4.5	MR	3.0
12	CMH14-722	4.0	MR	3.5
13	CP808 SUPER	5.0	MR	3.0
14	DH-315	6.0	MS	3.5
15	FAUJI	6.0	MS	3.0
16	GK3124	7.5	S	3.0
17	GK3164	5.0	MR	3.0
18	HKH-366	4.5	MR	3.0
19	HT18007	5.0	MR	4.0
20	IMHSB-17K-08	6.5	MS	2.5
21	IMHVS-005	5.0	MR	3.5
22	JH 15002	5.5	MS	2.5
23	JH 16026	6.5	MS	2.5
24	JH 16224	6.0	MS	3.5
25	JH 17014	4.5	MR	2.0
26	JH 17026	5.0	MR	4.5
27	JH 17029	5.0	MR	3.0
28	JKMH1581	6.5	MS	3.0
29	KMH-005	5.0	MR	3.0
30	KMH-1(CAH1612)	6.5	MS	3.5
31	KNMH-4185	7.5	S	3.5
32	KNMH-4187	6.0	MS	4.0
33	MAH-14-138	4.5	MR	2.0
34	MAH-14-239	5.0	MR	2.5
35	MFH18-13	3.0	R	3.0
36	MFH18-14	5.0	MR	3.0
37	MM2033	5.0	MR	2.0
38	MM2828	6.0	MS	3.5
39	MM9207	5.5	MS	2.0
40	OMH 17-2	3.0	R	4.5
41	PHM1801 (CAH1801)	6.0	MS	4.0
42	PM18101L	6.0	MS	3.5

Contd.

Table 19. (Contd.)

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
43	PM18102L	4.5	MR	4.0
44	PM18103L	4.5	MR	3.5
45	PM18104L	4.0	MR	3.5
46	PM18105L	4.5	MR	2.5
47	PM18106L	3.0	R	3.0
48	QMH 1590	7.5	S	2.5
49	QMH1571	5.5	MS	2.5
50	Rasi 4992	6.5	MS	4.5
51	Rasi 70197	5.0	MR	3.0
52	STARX-5	7.5	S	3.5
53	SUPER-4050	5.5	MS	4.0
54	SYN816514	4.5	MR	4.0
55	TS2505	7.0	MS	3.5
56	TS2601	5.0	MR	4.0
57	X5826	6.0	MS	4.0
58	X5873	6.5	MS	2.0
59	BIO 9682 ©	5.5	MS	3.5
60	CMH 08-282 ©	5.0	MR	3.0
61	CMH 08-287 ©	5.0	MR	4.0
62	NK 6240 ©	4.5	MR	3.0
63	LM 13 (R Check)/filler	5.0	MR	4.5
64	Sus Check	5.0	MR	3.0
Z1	Location Mean	5.3		3.3
Z2	CV (%)	29.66		27.35
Z3	F (Prob)	0.76		0.23
Z4	CD (5%)	3.14		1.79
Z5	CD (1%)	4.17		2.38

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 20. Screening of NIVT (medium maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	AH 4158	5.5	MS	4.0
2	AH 4271	6.0	MS	3.5
3	AH8070	4.5	MR	4.0
4	AH8071	4.5	MR	3.5
5	BH416032	4.5	MR	4.0
6	BH416067	6.0	MS	3.5
7	BH416215	6.0	MS	4.0
8	BLH136	3.5	MR	4.0
9	CAH1511	4.5	MR	5.0
10	CMH2425	7.0	MS	3.5
11	CMH2525	7.0	MS	3.0
12	DH-316	7.0	MS	3.5
13	DH-317	5.5	MS	3.0
14	DHM -117 (FILLER)	5.5	MS	4.0
15	H1013	7.0	MS	3.5
16	HKH-368	4.5	MR	3.5
17	HKH-369	6.5	MS	4.0
18	HT18607	5.0	MR	4.0
19	IH-0965	6.5	MS	3.5
20	IH-1604	5.5	MS	3.5
21	IMHL-K-1	6.0	MS	4.0
22	IMHL-K-2	5.0	MR	4.5
23	IMHL-K-3	5.5	MS	4.5
24	IMHSB-18K-03	5.0	MR	3.0
25	IMHSB-18K-04	6.0	MS	4.0
26	IMHSB-18K-07	6.5	MS	4.0
27	IMHSB-18K-10	4.5	MR	4.0
28	IMHSB-18K-11	4.0	MR	3.0
29	IMHSB-18K-12	4.5	MR	5.0
30	IMHSB-18K-13	6.5	MS	4.5
31	IMHSB-18K-14	6.0	MS	3.0
32	IMHSB-18K-15	5.0	MR	4.0
33	IMHSB-18K-16	7.0	MS	3.5
34	IMHSB-18K-18	3.5	MR	3.5
35	IMHSB-18K-2	7.0	MS	4.5
36	IMHSB-18K-5	5.0	MR	4.5
37	IMHSB-18K-6	7.5	S	4.0
38	IMHSB-18K-8	5.5	MS	4.5
39	IMHSB-18K-9	5.5	MS	3.5
40	IMHVS-001	5.0	MR	3.0
41	IMHVS-002	6.0	MS	4.0
42	INDAM 1118	6.5	MS	4.5
43	IS8249(DKC8191)	5.5	MS	3.5
44	IS8425(DKC9194)	5.0	MR	3.5

Contd.

Table 20. (Contd.)

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
45	IS8640(DKC9198)	4.5	MR	3.5
46	IS8723(DKC9190)	5.0	MR	4.5
47	JKMH1518	6.5	MS	4.5
48	KMH 17-105	7.5	S	4.0
49	KMH 17-6	7.0	MS	4.0
50	KMH-004	4.0	MR	3.5
51	KNMH-4181	6.5	MS	4.5
52	KNMH-4182	6.0	MS	4.5
53	KNMH-4183	6.0	MS	3.0
54	KNMH-4184	6.0	MS	4.0
55	LMH 1217	6.0	MS	3.5
56	LMH 1417	4.5	MR	4.0
57	LMH 3117	5.5	MS	4.0
58	LMH 3417	5.0	MR	3.0
59	MM9309	8.0	S	3.5
60	MMH-1708	7.5	S	3.5
61	MMH18-11	4.5	MR	3.5
62	MMH18-12	6.5	MS	3.5
63	LM 13 (R Check)	6.5	MS	3.5
64	OMH17-47	6.5	MS	3.5
65	PM18107M	5.5	MS	4.0
66	PM18108M	7.0	MS	3.0
67	RCRMH7(ZH138388)	4.5	MR	4.5
68	RCRMH9(CAH1713)	7.5	S	4.5
69	SYN816604	5.0	MR	3.5
70	TMMH886	6.0	MS	4.5
71	TS2506	6.5	MS	4.0
72	TUFAN	4.0	MR	4.0
73	VH11130	7.0	MS	4.5
74	VaMH 15015	8.0	S	4.5
75	ZH161032	5.0	MR	4.5
76	BIO 9544 (C)	6.5	MS	3.0
77	CMH-08-292 (C)	4.5	MR	4.0
78	DHM-121 (C)	6.5	MS	4.5
79	LM 13 (R Check)/filler	4.5	MR	3.0
80	Sus Check	6.5	MS	4.0
Z1	Location Mean	5.74		3.85
Z2	CV (%)	25.97		21.27
Z3	F (Prob)	0.43		0.81
Z4	CD (5%)	2.97		1.63
Z5	CD (1%)	3.94		2.16

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 21. Screening of NIVT (early maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	AH 1619	6.0	MS	3.0
2	AH8106	4.5	MR	3.5
3	AH8181	5.0	MR	4.0
4	DH-318	5.5	MS	3.0
5	DH-319	5.5	MS	3.0
6	DHM 117 (FILLER)	7.0	MS	2.5
7	EH-2936	6.5	MS	3.0
8	EH-3369	6.0	MS	3.5
9	FH3861	5.0	MR	3.0
10	FH3864	4.0	MR	2.5
11	FH3875	5.0	MR	3.5
12	FH3879	3.5	MR	3.5
13	HKH-365	4.0	MR	2.5
14	IMHSB-18K-01	6.0	MS	3.0
15	IMHVS-003	4.0	MR	3.5
16	IMHVS-004	5.0	MR	2.5
17	JH 31950	4.5	MR	3.0
18	JH 32014	6.5	MS	3.5
19	JH 32055	3.0	R	2.0
20	JH 32056	4.0	MR	3.5
21	JH 32057	4.5	MR	3.0
22	JH 32094	4.5	MR	3.0
23	KMH 17-38	6.5	MS	2.5
24	KMH 17-89	5.0	MR	3.0
25	LMH 3817	7.0	MS	3.5
26	LMH 3917	5.0	MR	3.5
27	LMH 4017	4.0	MR	3.5
28	RCRMH10(CAH174)	5.5	MS	3.5
29	RCRMH11(CAH173)	7.0	MS	3.0
30	REH2016-1	6.5	MS	2.5
31	VIRAT	4.5	MR	2.5
32	X104	4.0	MR	3.5
33	BIO 605 ©	2.5	R	2.5
34	DKC 7074 ©	2.5	R	2.0
35	PMH 5 ©	6.0	MS	2.5
36	Vivek Maize Hybrid 45 (Check)	7.0	MS	2.5
37	Vivek Maize Hybrid 51 (Check)	5.5	MS	3.0
38	LM 13 (R Check)/filler	4.0	MR	2.5
39	Sus Check	4.0	MR	3.5
Z1	Location Mean	5.0		3.0
Z2	CV (%)	30.8		31.5
Z3	F (Prob)	0.2		1.0
Z4	CD (5%)	3.1		1.9
Z5	CD (1%)	4.2		2.6

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 22. Screening of AVT I II (late maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	AH 8183	7.0	MS	2.5
2	BIO 218	5.0	MR	3.0
3	CP 858	4.0	MR	2.5
4	DKC 9185 (IR8449)	3.0	R	3.0
5	DKC 9189 (IR8545)	4.5	MR	3.0
6	JH 16041	4.0	MR	2.5
7	JH 16081	3.5	MR	3.0
8	JH 16118	4.5	MR	2.5
9	JH 16209	3.0	R	2.5
10	RASI 3499	3.0	R	2.5
11	BIO 9682 (C)	4.5	MR	3.0
12	CMH 08-282 (C)	3.0	R	2.0
13	CMH 08-287 (C)	5.5	MS	2.5
14	LM 13 (R Check)/filler	7.5	S	3.0
15	Sus Check	6.5	MS	2.5
Z1	Location Mean	4.6		2.7
Z2	CV (%)	24.7		28.4
Z3	F (Prob)	0.0		1.0
Z4	CD (5%)	2.4		1.6
Z5	CD (1%)	3.4		2.3

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 23. Screening of AVT I II (medium maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	DKC8174(IQ8319)	2.3	R	2.7
2	JKMH15303	3.3	MR	2.0
3	LMH 1017	2.3	R	2.7
4	Bio 9544 (C)	4.7	MR	3.0
5	CMH-08-292 (C)	2.3	R	2.7
6	DHM 121 (C)	3.0	R	2.7
7	LM 13 (R Check)/filler	4.7	MR	2.3
8	Sus Check	6.0	MS	2.7
Z1	Location Mean	3.6		2.6
Z2	CV (%)	34.9		19.8
Z3	F (Prob)	0.0		0.5
Z4	CD (5%)	2.2		0.9
Z5	CD (1%)	3.0		1.2

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 24. Screening of AVT I II (early maturity) maize hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	BIO 605	3.0	R	3.0
2	DHM 117 (FILLER)	2.3	R	2.7
3	DKC 7074	3.3	MR	2.3
4	JH 31947	2.7	R	3.0
6	PMH 5	5.3	MS	2.7
5	LM 13 (R Check)/filler	3.7	MR	3.0
7	Sus Check	5.0	MR	3.0
Z1	Location Mean	3.6		2.8
Z2	CV (%)	38.0		20.3
Z3	F (Prob)	0.1		0.7
Z4	CD (5%)	2.4		1.0
Z5	CD (1%)	3.4		1.4

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 25. Screening of QPM I II III hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	APH1	4.5	MR	2.5
2	APH2	4.0	MR	3.0
3	APH27(PRO-A)	5.0	MR	2.0
4	APQH1(QPM+PRO-A)	4.0	MR	2.5
5	APQH5(QPM+PRO-A)	5.5	MS	3.0
6	EHQ-640	4.5	MR	3.0
7	FQH-140	7.0	MS	3.0
8	FQH-148	7.0	MS	3.0
9	IQPMH-18-1	2.5	R	2.5
10	IQPMH-18-2	4.0	MR	3.0
11	IQPMH-18-3	4.5	MR	2.5
12	IQPMH-18-4	2.5	R	4.0
13	IQPMH-18-5	5.5	MS	4.0
14	KDQH-55(CAH1824)	5.0	MR	4.0
15	QPMMH-41	5.5	MS	2.0
16	QQPMH-14153	7.0	MS	2.5
17	APQH 9 (C)	7.0	MS	2.5
18	HQPM 5 (C)	2.5	R	3.5
20	Pratap QPM Hybrid 1 (C)	7.0	MS	2.0
21	Vivek hybrid 27 (C)	6.5	MS	3.0
19	LM 13 (R Check)/filler	5.0	MR	3.5
22	Sus Check	3.5	MR	3.0
Z1	Location Mean	5.0		2.9
Z2	CV (%)	22.1		31.5
Z3	F (Prob)	0.0		0.6
Z4	CD (5%)	2.3		1.9
Z5	CD (1%)	3.1		2.6

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 26. Screening of sweet corn I II III hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	BIO 4043	7.0	MS	2.5
2	BSCH 416078	6.0	MS	3.5
3	BSCH 416086	5.5	MS	2.5
4	DSCH-320	5.5	MS	3.0
5	FSCH-119	6.0	MS	3.5
6	NUZI 205	7.0	MS	3.0
7	NUZI 260	5.5	MS	3.5
8	SUGAR SWEET	6.0	MS	3.0
9	TOP SWEET	5.5	MS	2.5
10	VL SWEET CORN (C)	6.0	MS	3.0
11	Misthi (C)	8.0	S	2.5
12	LM 13 (R Check)/filler	5.5	MS	2.5
13	Sus Check	6.0	MS	3.5
Z1	Location Mean	6.1		3.0
Z2	CV (%)	26.9		31.5
Z3	F (Prob)	0.9		0.9
Z4	CD (5%)	3.6		2.0
Z5	CD (1%)	5.0		2.9

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 27. Screening of pop corn I II III hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	APCH 2	6.5	MS	2.0
2	APCH 3	5.0	MR	3.0
3	DHM 117 (FILLER)	5.5	MS	3.5
4	DPCH-306 (Filler)	7.0	MS	2.5
5	H 1012	6.5	MS	2.5
6	IHPC-1201	7.0	MS	3.0
7	IHPC-1203	5.5	MS	2.0
8	REHPC2015-2 (Filler)	7.0	MS	3.0
9	DHM 121 (Check)	5.5	MS	3.0
10	Shalimar pop corn(C)	6.0	MS	2.0
11	VL Amber pop corn (C)	6.0	MS	4.0
12	LM 13 (R Check)/filler	6.5	MS	3.5
13	Sus Check	6.5	MS	3.0
Z1	Location Mean	6.2		2.9
Z2	CV (%)	23.4		13.8
Z3	F (Prob)	0.9		0.0
Z4	CD (5%)	3.2		0.9
Z5	CD (1%)	4.4		1.2

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 28. Screening of baby corn I II III hybrids in NEPZ

S. No.	Genotype	MLB (1-9)		BLSB (1-9)
		DHOL	Reaction	*SABO
1	AH 7204	7.0	MS	3.0
2	AH-5021	6.0	MS	4.0
3	AH-7043	8.0	S	3.0
4	AH-7188	7.0	MS	4.0
5	DHM 117 (FILLER)	6.0	MS	3.5
6	DHM 121 (FILLER)	4.5	MR	2.5
7	J 1006 (FILLER)	5.5	MS	4.0
8	LMH 3517	7.0	MS	3.0
9	PAC321	6.0	MS	2.5
10	PMH 2	7.0	MS	3.0
11	VL Baby corn 2 (C)	7.5	S	4.0
12	LM 13 (R Check)/filler	5.0	MR	3.5
13	Sus Check	6.0	MS	4.0
Z1	Location Mean	6.4		3.4
Z2	CV (%)	16.8		18.3
Z3	F (Prob)	0.2		0.2
Z4	CD (5%)	2.3		1.4
Z5	CD (1%)	3.3		1.9

Susceptible check: Surya (MLB); Early Composite (BLSB)
*SABO (Data rejected due to low disease pressure)

Table 29. Screening of NIVT (late maturity) maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)		C Rust (1-9)	P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	*HYDE	*DHAR	MAND	Reaction	MAND	Reaction
1	ADV 7132	3.5	4.0	3.8	MR	2.7	3.3	3.1	3.5	MR	60	S
2	AH 1625	3.5	3.5	3.5	MR	3.5	6.8	3.8	7.5	S	39	MS
3	AH 8087	5.5	5.5	5.5	MS	2.2	5.3	3.3	8.0	S	100	S
4	AH 8323	6.0	3.0	4.5	MR	3.7	4.7	3.1	3.5	MR	75	S
5	BH416112	4.5	3.5	4.0	MR	3.1	5.7	2.5	1.0	HR	89	S
6	BIO 534	6.5	5.5	6.0	MS	3.0	5.8	4.9	7.5	S	100	S
7	BIO 536	6.5	7.0	6.8	MS	2.5	5.7	2.9	5.5	MS	92	S
8	BLH135	5.0	5.0	5.0	MR	2.8	3.0	3.3	4.0	MR	72	S
9	BLH137	4.5	3.0	3.8	MR	2.5	4.4	3.8	4.0	MR	47	MS
10	BRMH-16039	4.5	4.5	4.5	MR	2.6	4.8	3.0	4.5	MS	89	S
11	CMH14-716	4.0	4.0	4.0	MR	2.4	3.8	3.3	3.5	MR	100	S
12	CMH14-722	5.0	6.5	5.8	MS	2.6	4.9	2.9	5.0	MS	93	S
13	CP808 SUPER	6.0	6.0	6.0	MS	3.0	4.4	3.8	6.0	MS	96	S
14	DH-315	6.5	3.5	5.0	MR	2.7	4.9	2.8	2.0	R	100	S
15	FAUJI	7.5	6.5	7.0	MS	2.3	5.5	3.5	6.0	MS	70	S
16	GK3124	4.5	3.0	3.8	MR	2.0	5.4	2.8	4.0	MR	100	S
17	GK3164	4.3	4.0	4.1	MR	2.6	5.2	3.3	3.0	MR	98	S
18	HKH-366	6.5	7.0	6.8	MS	2.4	7.5	3.0	7.0	S	100	S
19	HT18007	5.5	5.0	5.3	MS	2.9	5.8	3.5	1.5	R	100	S
20	IMHSB-17K-08	3.0	4.0	3.5	MR	2.7	4.4	3.0	1.5	R	96	S
21	IMHVS-005	5.5	5.5	5.5	MS	2.1	4.8	3.2	1.0	HR	26	MS
22	JH 15002	6.0	5.5	5.8	MS	2.5	4.2	3.5	4.0	MR	100	S
23	JH 16026	4.8	3.0	3.9	MR	2.8	4.8	2.5	7.5	S	100	S
24	JH 16224	2.5	4.5	3.5	MR	2.3	4.4	3.0	4.0	MR	100	S
25	JH 17014	3.5	4.0	3.8	MR	2.8	3.3	2.8	2.5	MR	100	S
26	JH 17026	5.5	3.5	4.5	MR	1.9	4.9	4.5	8.0	S	100	S
27	JH 17029	6.8	4.5	5.6	MS	2.5	6.8	3.8	8.0	S	97	S

Contd.

Table 29. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)		C Rust (1-9)	P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	*HYDE	*DHAR	MAND	Reaction	MAND	Reaction
28	JKMH1581	3.5	4.5	4.0	MR	2.1	4.5	3.8	3.5	MR	81	S
29	KMH-005	3.8	4.5	4.1	MR	2.3	5.2	3.0	1.0	HR	98	S
30	KMH-1(CAH1612)	4.5	3.0	3.8	MR	3.0	6.2	3.0	1.0	HR	100	S
31	KNMH-4185	3.3	3.5	3.4	MR	3.6	3.9	2.8	8.0	S	97	S
32	KNMH-4187	4.8	2.5	3.6	MR	4.0	6.8	2.8	3.5	MR	63	S
33	MAH-14-138	5.0	5.0	5.0	MR	2.3	6.7	3.0	4.0	MR	44	MS
34	MAH-14-239	4.8	4.0	4.4	MR	2.8	6.8	3.1	1.0	HR	34	MS
35	MFH18-13	5.5	-	5.5	MS	2.8	3.0	2.8	-	-	-	-
36	MFH18-14	4.0	4.0	4.0	MR	2.5	3.7	2.8	7.5	S	100	S
37	MM2033	4.8	3.0	3.9	MR	2.9	5.3	3.3	2.5	MR	86	S
38	MM2828	3.0	4.5	3.8	MR	2.4	5.1	3.3	2.0	R	95	S
39	MM9207	5.5	6.0	5.8	MS	2.6	4.8	2.8	2.0	R	83	S
40	OMH 17-2	3.3	3.5	3.4	MR	2.1	6.7	2.8	3.0	MR	100	S
41	PHM1801 (CAH1801)	6.0	3.5	4.8	MR	2.5	4.6	3.5	1.5	R	100	S
42	PM18101L	3.3	4.5	3.9	MR	2.2	3.8	3.3	7.0	S	73	S
43	PM18102L	4.5	4.0	4.3	MR	1.6	6.3	3.0	1.5	R	30	MS
44	PM18103L	3.0	4.0	3.5	MR	2.2	3.9	2.6	5.5	MS	61	S
45	PM18104L	6.0	4.0	5.0	MR	2.8	3.3	3.3	5.5	MS	100	S
46	PM18105L	6.5	3.0	4.8	MR	3.4	4.8	3.5	1.0	HR	87	S
47	PM18106L	6.0	4.5	5.3	MS	3.6	5.1	5.0	2.0	R	94	S
48	QMH 1590	6.0	4.5	5.3	MS	1.8	7.1	4.3	6.5	S	100	S
49	QMH1571	5.8	4.0	4.9	MR	2.5	2.9	3.9	2.0	R	95	S
50	Rasi 4992	6.0	4.0	5.0	MR	2.7	5.8	2.8	5.5	MS	100	S
51	Rasi 70197	4.3	5.0	4.6	MR	2.2	6.1	2.5	5.5	MS	100	S
52	STARX-5	5.5	4.5	5.0	MR	2.6	4.6	3.3	8.0	S	100	S
53	SUPER-4050	5.5	7.0	6.3	MS	2.4	5.2	3.3	7.0	S	100	S
54	SYN816514	3.0	4.0	3.5	MR	3.6	4.9	3.1	2.5	MR	87	S

Contd.

Table 29. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)		C Rust (1-9)	P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	*HYDE	*DHAR	MAND	Reaction	MAND	Reaction
55	TS2505	5.0	3.5	4.3	MR	3.0	4.9	3.5	1.5	R	100	S
56	TS2601	5.0	2.5	3.8	MR	2.2	5.9	3.3	1.5	R	64	S
57	X5826	5.3	4.5	4.9	MR	3.1	5.1	3.8	1.5	R	100	S
58	X5873	5.8	3.0	4.4	MR	1.9	5.6	3.2	1.5	R	87	S
59	BIO 9682 (C)	5.3	4.0	4.6	MR	2.8	4.0	2.4	1.0	HR	21	MR
60	CMH 08-282 (C)	4.5	3.0	3.8	MR	2.3	7.2	2.5	3.5	MR	74	S
61	CMH 08-287 (C)	4.5	3.5	4.0	MR	2.6	4.0	2.3	4.5	MS	100	S
63	NK 6240 (C)	4.8	3.0	3.9	MR	2.1	3.5	2.8	1.0	HR	98	S
62	Res Check/filler	6.5	3.5	5.0	MR	2.7	4.9	4.3	5.0	MS	82	S
64	Sus Check	4.8	7.5	6.1	MS	1.9	4.8	2.9	8.5	S	100	S
Z1	Location Mean	4.9	4.3			2.6	5.0	3.2	4.0		85	
Z2	CV (%)	31.8	28.1			32.4	28.1	23.5	48.0		18	
Z3	F (Prob)	0.4	0.0			0.9	0.2	0.4	0.0		0	
Z4	CD (5%)	3.1	2.4			1.7	2.8	1.5	3.9		31	
Z5	CD (1%)	4.2	3.2			2.2	3.7	2.0	5.1		41	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM,*HYDE,*DHAR (Data rejected due to low disease pressure)

Table 30. Screening of NIVT (medium maturity) maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
1	AH 4158	6.0	4.5	5.3	MS	2.4	6.0	6.0	MS	5.5	MS	3.0	MR	91	S
2	AH 4271	6.5	5.0	5.8	MS	2.3	6.4	6.4	MS	6.3	S	2.0	R	95	S
3	AH8070	5.3	4.0	4.6	MR	2.9	4.8	4.8	MR	4.0	MR	2.5	MR	97	S
4	AH8071	5.4	5.0	5.2	MS	3.0	6.5	6.5	MS	5.5	MS	3.0	MR	56	S
5	BH416032	6.5	4.0	5.3	MS	2.8	2.9	2.9	R	6.3	S	6.5	S	100	S
6	BH416067	5.8	4.5	5.1	MR	3.0	4.7	4.7	MR	5.5	MS	6.0	MS	100	S
7	BH416215	6.3	4.0	5.1	MR	2.6	4.8	4.8	MR	5.0	MS	4.5	MS	37	MS
8	BLH136	7.0	4.0	5.5	MS	2.2	5.7	5.7	MS	6.3	S	1.5	R	74	S
9	CAH1511	6.0	5.5	5.8	MS	3.2	3.0	3.0	R	5.3	MS	2.5	MR	92	S
10	CMH2425	7.5	4.0	5.8	MS	3.2	4.7	4.7	MR	5.3	MS	5.5	MS	100	S
11	CMH2525	6.3	5.5	5.9	MS	2.5	5.6	5.6	MS	5.0	MS	2.5	MR	100	S
12	DH-316	8.0	5.0	6.5	MS	2.4	5.9	5.9	MS	5.3	MS	2.5	MR	100	S
13	DH-317	6.6	4.5	5.5	MS	3.4	4.3	4.3	MR	5.3	MS	7.0	S	100	S
14	DHM -117 (FILLER)	5.3	4.5	4.9	MR	3.0	6.0	6.0	MS	6.8	S	2.5	MR	100	S
15	H1013	6.3	4.5	5.4	MS	2.0	4.3	4.3	MR	6.0	MS	4.5	MS	100	S
16	HKH-368	8.5	5.5	7.0	MS	2.9	6.2	6.2	MS	5.5	MS	8.0	S	100	S
17	HKH-369	9.0	7.0	8.0	S	3.6	6.5	6.5	MS	6.8	S	8.0	S	100	S
18	HT18607	5.8	4.0	4.9	MR	2.1	2.9	2.9	R	4.8	MS	1.0	HR	89	S
19	IH-0965	9.0	5.0	7.0	MS	3.8	6.4	6.4	MS	5.5	MS	4.5	MS	100	S
20	IH-1604	7.8	6.0	6.9	MS	3.0	6.4	6.4	MS	6.5	S	6.5	S	96	S
21	IMHL-K-1	7.5	4.0	5.8	MS	3.4	2.8	2.8	R	6.0	MS	3.0	MR	90	S
22	IMHL-K-2	7.0	4.5	5.8	MS	3.6	5.0	5.0	MR	6.8	S	5.5	MS	100	S
23	IMHL-K-3	5.4	5.0	5.2	MS	2.8	6.4	6.4	MS	4.3	MS	6.0	MS	100	S
24	IMHSB-18K-03	4.3	5.0	4.6	MR	3.1	4.0	4.0	MR	6.0	MS	3.0	MR	94	S
25	IMHSB-18K-04	6.3	4.0	5.1	MR	4.0	3.5	3.5	MR	4.5	MS	3.5	MR	95	S
26	IMHSB-18K-07	6.0	5.5	5.8	MS	2.0	5.5	5.5	MS	6.3	S	3.5	MR	100	S
27	IMHSB-18K-10	8.0	5.5	6.8	MS	3.1	5.3	5.3	MS	6.3	S	2.5	MR	100	S
28	IMHSB-18K-11	4.5	4.5	4.5	MR	3.0	6.5	6.5	MS	8.3	S	6.5	S	98	S
29	IMHSB-18K-12	5.1	4.0	4.5	MR	2.2	6.9	6.9	MS	5.0	MS	8.0	S	100	S
30	IMHSB-18K-13	8.3	5.0	6.6	MS	2.4	6.8	6.8	MS	5.3	MS	2.5	MR	98	S
31	IMHSB-18K-14	8.0	4.5	6.3	MS	3.8	5.9	5.9	MS	7.5	S	5.5	MS	89	S
32	IMHSB-18K-15	4.3	4.0	4.1	MR	2.9	4.5	4.5	MR	4.5	MS	5.0	MS	100	S
33	IMHSB-18K-16	8.5	4.0	6.3	MS	3.3	4.3	4.3	MR	5.8	MS	1.0	HR	98	S
34	IMHSB-18K-18	5.0	4.0	4.5	MR	3.4	4.7	4.7	MR	4.3	MS	3.5	MR	100	S

Contd.

Table 30. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
35	IMHSB-18K-2	8.0	6.5	7.3	S	2.6	6.0	6.0	MS	5.3	MS	7.5	S	98	S
36	IMHSB-18K-5	5.3	4.5	4.9	MR	2.2	5.1	5.1	MR	5.3	MS	2.0	R	68	S
37	IMHSB-18K-6	6.9	4.0	5.5	MS	3.5	3.9	3.9	MR	6.5	S	2.0	R	95	S
38	IMHSB-18K-8	6.0	4.5	5.3	MS	2.1	4.4	4.4	MR	5.3	MS	6.5	S	98	S
39	IMHSB-18K-9	9.0	8.0	8.5	S	3.7	5.6	5.6	MS	6.0	MS	6.0	MS	100	S
40	IMHVS-001	5.4	4.0	4.7	MR	2.2	3.9	3.9	MR	6.8	S	4.0	MR	100	S
41	IMHVS-002	8.2	5.5	6.9	MS	2.8	5.3	5.3	MS	5.6	MS	7.0	S	98	S
42	INDAM 1118	7.8	7.0	7.4	S	3.0	5.7	5.7	MS	6.5	S	1.5	R	100	S
43	IS8249(DKC8191)	6.0	5.5	5.8	MS	2.5	5.9	5.9	MS	5.5	MS	1.5	R	28	MS
44	IS8425(DKC9194)	6.0	5.5	5.8	MS	2.7	4.4	4.4	MR	5.8	MS	3.0	MR	100	S
45	IS8640(DKC9198)	6.6	4.0	5.3	MS	2.3	3.6	3.6	MR	4.8	MS	1.5	R	100	S
46	IS8723(DKC9190)	4.0	4.0	4.0	MR	3.5	5.9	5.9	MS	4.3	MS	1.0	HR	78	S
47	JKMH1518	8.8	5.5	7.1	MS	4.8	4.6	4.6	MR	6.5	S	2.5	MR	59	S
48	KMH 17-105	7.6	4.0	5.8	MS	2.1	5.9	5.9	MS	4.5	MS	3.0	MR	100	S
49	KMH 17-6	8.0	5.5	6.8	MS	2.9	4.3	4.3	MR	5.5	MS	1.0	HR	100	S
50	KMH-004	7.8	7.0	7.4	S	2.0	4.3	4.3	MR	5.5	MS	4.5	MS	100	S
51	KNMH-4181	6.8	5.0	5.9	MS	2.7	6.6	6.6	MS	4.8	MS	7.5	S	100	S
52	KNMH-4182	5.3	3.5	4.4	MR	3.0	6.9	6.9	MS	5.8	MS	4.5	MS	100	S
53	KNMH-4183	6.0	4.0	5.0	MR	3.4	5.0	5.0	MR	4.3	MS	6.5	S	100	S
54	KNMH-4184	6.3	5.0	5.6	MS	3.2	5.7	5.7	MS	6.0	MS	4.0	MR	85	S
55	LMH 1217	5.5	4.0	4.8	MR	2.4	4.3	4.3	MR	5.8	MS	7.5	S	97	S
56	LMH 1417	4.8	3.5	4.1	MR	1.9	4.9	4.9	MR	3.8	MR	2.0	R	100	S
57	LMH 3117	6.0	4.0	5.0	MR	3.0	6.5	6.5	MS	6.5	S	2.5	MR	100	S
58	LMH 3417	5.0	5.0	5.0	MR	2.5	5.2	5.2	MS	7.0	S	8.5	S	100	S
59	MM9309	5.6	5.0	5.3	MS	3.4	4.2	4.2	MR	5.5	MS	4.5	MS	100	S
60	MMH-1708	7.8	6.5	7.2	S	2.7	6.2	6.2	MS	5.3	MS	3.0	MR	100	S
61	MMH18-11	6.8	5.5	6.1	MS	2.6	7.4	7.4	S	4.5	MS	3.0	MR	100	S
62	MMH18-12	6.5	8.0	7.3	S	2.3	3.6	3.6	MR	7.5	S	3.0	MR	100	S
63	NAVNEET	5.8	4.5	5.1	MR	4.4	4.9	4.9	MR	6.8	S	6.0	MS	94	S
64	OMH 17-47	6.8	5.0	5.9	MS	2.1	7.1	7.1	MS	5.5	MS	2.5	MR	94	S
65	PM18107M	4.7	5.0	4.8	MR	2.2	3.7	3.7	MR	5.8	MS	7.5	S	100	S
66	PM18108M	5.8	4.0	4.9	MR	3.0	4.3	4.3	MR	7.3	S	9.0	S	100	S
67	RCRMH7(ZH138388)	7.3	4.5	5.9	MS	3.3	5.1	5.1	MR	6.3	S	4.0	MR	100	S
68	RCRMH9(CAH1713)	5.8	4.5	5.1	MR	2.4	5.8	5.8	MS	6.3	S	4.5	MS	100	S

Contd.

Table 30. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
69	SYN816604	5.4	5.5	5.4	MS	2.2	3.5	3.5	MR	6.8	S	1.0	HR	60	S
70	TMMH886	5.8	5.0	5.4	MS	2.9	5.4	5.4	MS	5.3	MS	1.0	HR	56	S
71	TS2506	8.3	5.0	6.6	MS	2.5	6.2	6.2	MS	4.5	MS	2.5	MR	82	S
72	TUFAN	4.3	4.5	4.4	MR	4.1	6.0	6.0	MS	6.0	MS	5.5	MS	92	S
73	VH11130	5.2	4.0	4.6	MR	1.5	4.8	4.8	MR	5.3	MS	1.5	R	100	S
74	VaMH 15015	4.9	4.0	4.4	MR	3.6	4.3	4.3	MR	4.5	MS	3.5	MR	100	S
75	ZH161032	5.3	4.0	4.6	MR	2.2	6.0	6.0	MS	6.8	S	2.0	R	97	S
76	BIO 9544 (C)	7.0	5.0	6.0	MS	2.0	5.7	5.7	MS	4.5	MS	3.0	MR	46	MS
77	CMH-08-292 (C)	5.5	5.5	5.5	MS	2.6	3.8	3.8	MR	5.3	MS	6.0	MS	68	S
78	DHM-121 (C)	4.5	5.0	4.8	MR	2.0	3.9	3.9	MR	7.3	S	6.0	MS	100	S
79	Res Check/filler	7.7	6.0	6.9	MS	3.4	6.0	6.0	MS	3.8	MR	3.0	MR	79	S
80	Sus Check	8.0	6.0	7.0	MS	2.3	6.2	6.2	MS	7.0	S	8.0	S	100	S
Z1	Location Mean	6.4	4.9			2.8	5.2			5.7		4.1		92	
Z2	CV (%)	22.4	20.3			27.8	27.6			19.0		50.1		9	
Z3	F (Prob)	0.0	0.0			0.1	0.2			0.0		0.0		0	
Z4	CD (5%)	2.9	2.0			1.6	2.8			2.1		4.1		17	
Z5	CD (1%)	3.8	2.6			2.1	3.8			2.8		5.5		23	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM (Data rejected due to low disease pressure)

Table 31. Screening of NIVT (early maturity) maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
1	AH 1619	4.1	6.0	5.1	MR	3.9	5.7	5.7	MS	4.5	MS	1.0	100	S
2	AH8106	3.5	8.0	5.8	MS	2.8	7.3	7.3	S	2.5	MR	1.0	100	S
3	AH8181	4.8	7.0	5.9	MS	2.9	6.6	6.6	MS	6.0	MS	3.0	100	S
4	DH-318	5.5	7.0	6.3	MS	3.0	4.3	4.3	MR	5.0	MS	3.0	100	S
5	DH-319	4.5	6.5	5.5	MS	3.5	7.4	7.4	S	5.5	MS	2.5	100	S
6	DHM 117 (FILLER)	5.0	6.5	5.8	MS	2.5	4.7	4.7	MR	3.5	MR	8.0	100	S
7	EH-2936	4.3	4.5	4.4	MR	4.3	5.5	5.5	MS	3.0	MR	5.0	95	S
8	EH-3369	5.6	6.5	6.1	MS	3.2	6.3	6.3	MS	3.0	MR	5.5	100	S
9	FH3861	5.3	6.0	5.6	MS	4.9	5.2	5.2	MS	4.0	MR	1.0	100	S
10	FH3864	4.3	5.5	4.9	MR	4.2	6.6	6.6	MS	3.0	MR	6.5	100	S
11	FH3875	3.5	7.0	5.3	MS	2.4	6.0	6.0	MS	3.5	MR	7.0	100	S
12	FH3879	5.5	6.0	5.8	MS	4.1	5.0	5.0	MR	3.0	MR	1.0	100	S
13	HKH-365	6.5	7.0	6.8	MS	3.3	6.2	6.2	MS	6.0	MS	4.5	100	S
14	IMHSB-18K-01	7.3	8.5	7.9	S	3.3	6.3	6.3	MS	6.0	MS	1.0	100	S
15	IMHVS-003	4.5	6.0	5.3	MS	2.8	5.5	5.5	MS	4.0	MR	3.0	72	S
16	IMHVS-004	5.5	4.0	4.8	MR	3.1	6.0	6.0	MS	3.0	MR	1.0	89	S
17	JH 31950	5.5	7.0	6.3	MS	-	5.9	5.9	MS	4.0	MR	7.5	100	S
18	JH 32014	4.5	6.5	5.5	MS	3.0	6.1	6.1	MS	2.5	MR	3.0	100	S
19	JH 32055	4.5	6.5	5.5	MS	3.0	7.1	7.1	MS	2.5	MR	5.0	100	S
20	JH 32056	4.0	6.5	5.3	MS	4.8	7.7	7.7	S	4.0	MR	4.0	100	S
21	JH 32057	5.0	4.0	4.5	MR	3.1	6.4	6.4	MS	4.5	MS	1.0	100	S
22	JH 32094	7.0	5.5	6.3	MS	2.3	5.5	5.5	MS	4.0	MR	7.5	100	S
23	KMH 17-38	8.0	8.5	8.3	S	3.2	5.3	5.3	MS	6.0	MS	3.0	100	S
24	KMH 17-89	8.5	7.5	8.0	S	3.6	4.9	4.9	MR	6.0	MS	8.0	100	S
25	LMH 3817	6.5	8.0	7.3	S	3.3	7.4	7.4	S	5.5	MS	3.5	100	S
26	LMH 3917	7.0	5.0	6.0	MS	3.2	5.8	5.8	MS	4.5	MS	4.5	100	S
27	LMH 4017	9.0	8.0	8.5	S	2.6	6.9	6.9	MS	6.5	S	4.5	100	S
28	RCRMH10(CAH174)	4.0	7.0	5.5	MS	-	6.4	6.4	MS	4.0	MR	1.0	58	S
29	RCRMH11(CAH173)	5.0	5.5	5.3	MS	3.7	5.6	5.6	MS	2.0	R	4.0	72	S
30	REH2016-1	7.0	6.5	6.8	MS	4.6	6.8	6.8	MS	5.0	MS	4.0	100	S
31	VIRAT	4.0	7.0	5.5	MS	2.7	6.2	6.2	MS	3.0	MR	3.5	100	S
32	X104	4.0	5.5	4.8	MR	3.3	6.2	6.2	MS	2.0	R	4.0	92	S
33	BIO 605 (C)	5.0	6.5	5.8	MS	3.1	6.0	6.0	MS	2.5	MR	3.0	66	S
34	DKC 7074 (C)	2.8	8.0	5.4	MS	3.7	4.8	4.8	MR	2.0	R	3.5	10	R

Contd.

Table 31. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
35	PMH 5 (C)	9.0	7.5	8.3	S	4.1	6.2	6.2	MS	8.0	S	3.5	100	S
36	Vivek Maize Hybrid 45 (Check)	4.1	5.0	4.6	MR	3.3	5.6	5.6	MS	1.5	R	1.0	100	S
37	Vivek Maize Hybrid 51 (Check)	5.8	5.5	5.6	MS	3.1	7.8	7.8	S	4.5	MS	1.0	100	S
38	Res Check/filler	5.3	7.0	6.1	MS	2.6	5.0	5.0	MR	4.5	MS	3.0	100	S
39	Sus Check	9.0	7.5	8.3	S	2.9	5.7	5.7	MS	8.0	S	3.0	100	S
Z1	Location Mean	5.5	6.5			3.3	6.0			4.2		3.6	94	
Z2	CV (%)	20.2	25.2			22.6	19.4			26.6		58.2	12	
Z3	F (Prob)	0.0	0.6			0.1	0.5			0.0		0.0	0	
Z4	CD (5%)	2.2	3.3			1.5	2.4			2.2		4.2	23	
Z5	CD (1%)	3.0	4.4			2.0	3.2			3.0		5.7	30	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, *MAND (Data rejected due to low disease pressure)

Table 32. Screening of AVT I II (late maturity) maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)		C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	*HYDE	DHAR	Reaction	*MAND	MAND	Reaction
1	ADV 1390064	4.8	5.0	4.9	MR	2.5	3.6	2.8	MR	4.0	8	R
2	BIO 716	8.0	5.0	6.5	MS	3.7	3.8	4.1	MS	2.0	100	S
3	DHM 117 (FILLER)	3.8	4.0	3.9	MR	3.8	2.9	3.0	MR	2.0	100	S
4	DKC 9178	5.8	4.5	5.1	MR	2.7	2.8	3.3	MR	2.5	52	S
5	DKC 9185 (IR8449)	5.5	3.0	4.3	MR	3.8	2.7	3.0	MR	3.0	86	S
6	JH 15130	6.8	3.5	5.1	MR	2.7	4.3	3.5	MR	1.0	95	S
7	JH 15135	5.0	3.5	4.3	MR	4.1	3.1	4.5	MS	2.0	96	S
8	JKMH 150375	7.5	4.5	6.0	MS	2.2	4.1	3.3	MR	1.0	95	S
9	BIO 9682 (C)	5.0	4.0	4.5	MR	3.3	3.0	3.3	MR	3.5	18	MR
10	CMH 08-282 (C)	5.3	5.0	5.1	MR	2.5	6.3	3.8	MR	2.5	66	S
11	CMH 08-287 (C)	5.3	3.5	4.4	MR	2.6	2.6	5.5	MS	1.5	100	S
12	Res Check/filler	7.3	3.0	5.1	MR	3.0	3.4	5.3	MS	1.0	100	S
13	Sus Check	8.8	4.5	6.6	MS	2.6	2.8	8.0	S	2.0	100	S
Z1	Location Mean	6.0	4.1			3.0	3.5	4.1		2.2	78	
Z2	CV (%)	15.6	35.3			35.0	27.6	42.3		70.7	10	
Z3	F (Prob)	0.0	0.9			0.7	0.1	0.3		0.7	0	
Z4	CD (5%)	2.1	3.1			2.3	2.1	3.8		3.3	18	
Z5	CD (1%)	2.9	4.4			3.2	2.9	5.3		4.7	25	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, *HYDE, *MAND (Data rejected due to low disease pressure)

Table 33. Screening of AVT I II (medium matuirty) maize hybrids in PZ

S.No.	Genotype	TLB (1-9)				C Rot (1-9)				C. Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
1	ADV 140187	6.5	4.5	5.5	MS	3.8	4.9	4.9	MR	3.2	MR	7.0	S	9.4	R
2	ADV 140235	6.0	3.0	4.5	MR	2.4	4.2	4.2	MR	3.7	MR	6.0	MS	63.5	S
3	BLH118	4.2	4.0	4.1	MR	1.9	5.7	5.7	MS	7.8	S	9.0	S	100.0	S
4	DHM 117 (FILLER)	4.5	4.0	4.3	MR	2.2	3.2	3.2	MR	3.3	MR	4.0	MR	100.0	S
5	DKC9179(IQ8627)	5.0	4.0	4.5	MR	2.5	6.0	6.0	MS	3.3	MR	4.0	MR	69.4	S
6	INDAM 1122	4.0	4.0	4.0	MR	2.7	5.0	5.0	MR	2.6	MR	1.0	HR	100.0	S
7	JKMH15303	7.8	5.5	6.6	MS	2.1	6.8	6.8	MS	3.2	MR	6.0	MS	82.6	S
9	NMH-4053	7.8	6.5	7.1	MS	2.0	5.5	5.5	MS	2.8	MR	5.0	MS	68.6	S
10	Bio 9544 (C)	4.5	4.0	4.3	MR	1.9	4.3	4.3	MR	2.8	MR	1.0	HR	36.5	MS
11	CMH 08-292 (C)	3.0	4.0	3.5	MR	2.0	5.3	5.3	MS	5.8	MS	6.0	MS	66.1	S
12	DHM 121 (C)	5.0	3.5	4.3	MR	2.0	4.6	4.6	MR	4.3	MS	6.5	S	100.0	S
8	Res Check/filler	8.3	5.5	6.9	MS	2.8	5.8	5.8	MS	3.8	MR	8.0	S	85.3	S
13	Sus Check	9.0	4.5	6.8	MS	2.1	6.0	6.0	MS	8.0	S	3.5	MR	100.0	S
Z1	Location Mean	5.8	4.4			2.3	5.2			4.2		5.2		75.5	
Z2	CV (%)	16.2	28.7			36.0	22.5			36.4		46.3		18.5	
Z3	F (Prob)	0.0	0.4			0.6	0.3			0.0		0.1		0.0	
Z4	CD (5%)	2.1	2.7			1.8	2.5			3.3		5.2		30.5	
Z5	CD (1%)	2.9	3.8			2.6	3.6			4.6		7.3		42.7	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM (Data rejected due to low disease pressure)

Table 34. Screening of AVT I II (early maturity) maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
1	BIO 605	5.3	4.0	4.7	MR	2.7	5.0	5.0	MR	6.2	S	5.3	73	S
2	DHM 117 (FILLER)	4.3	4.0	4.2	MR	2.0	5.4	5.4	MS	6.2	S	4.3	100	S
3	DKC 7074	4.5	5.0	4.8	MR	3.7	4.6	4.6	MR	3.2	MR	4.3	38	MS
4	JH 31947	5.8	3.3	4.6	MR	2.9	5.8	5.8	MS	4.0	MR	5.3	100	S
6	PMH 5	7.5	7.3	7.4	S	3.0	4.5	4.5	MR	3.0	MR	3.3	100	S
5	Res Check/filler	4.2	4.3	4.3	MR	2.2	6.7	6.7	MS	7.3	S	2.7	83	S
7	Sus Check	7.3	5.0	6.2	MS	2.1	4.8	4.8	MR	8.0	S	3.7	100	S
Z1	Location Mean	5.6	4.7			2.7	5.3			5.4		4.1	85	
Z2	CV (%)	33.7	19.9			35.7	21.5			23.2		51.0	18	
Z3	F (Prob)	0.2	0.0			0.4	0.3			0.0		0.7	0	
Z4	CD (5%)	3.3	1.7			1.7	2.0			2.2		3.8	27	
Z5	CD (1%)	4.7	2.3			2.4	2.8			3.1		5.3	37	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, *MAND (Data rejected due to low disease pressure)

Table 35. Screening of QPM I II III hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)		C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	*HYDE	DHAR	Reaction	*MAND	MAND	Reaction
1	APH 1	5.0	4.5	4.8	MR	3.5	3.4	5.0	MS	2.5	100	S
2	APH2	4.5	4.5	4.5	MR	2.1	5.1	4.0	MR	1.5	100	S
3	APH27 (PRO-A)	5.5	5.5	5.5	MS	3.9	4.6	3.0	MR	4.0	100	S
4	APQH 8 (QPM + Pro- A)	4.3	4.0	4.1	MR	3.4	5.9	4.8	MS	2.5	100	S
5	APQH1(QPM+PRO-A)	4.8	4.0	4.4	MR	2.5	4.6	2.5	MR	1.0	100	S
6	APQH5(QPM+PRO-A)	3.8	4.0	3.9	MR	3.5	4.0	6.0	MS	2.0	100	S
7	APQH7 (QPM+PRO-A)	8.0	5.5	6.8	MS	2.0	5.8	2.8	MR	1.0	100	S
8	EHQ-640	8.0	5.0	6.5	MS	1.9	3.9	5.5	MS	4.5	100	S
9	FQH-140	6.0	5.0	5.5	MS	3.2	5.8	5.0	MS	2.5	100	S
10	FQH-148	4.5	4.0	4.3	MR	3.2	3.8	4.8	MS	6.0	100	S
11	IQPMH-18-1	7.3	4.0	5.6	MS	3.3	5.4	2.8	MR	1.5	100	S
12	IQPMH-18-2	6.3	4.5	5.4	MS	2.9	4.1	5.3	MS	1.0	100	S
13	IQPMH-18-3	6.3	4.5	5.4	MS	2.8	3.3	4.5	MS	3.0	100	S
14	IQPMH-18-4	4.0	4.0	4.0	MR	2.4	4.8	4.0	MR	1.0	100	S
15	IQPMH-18-5	5.8	5.5	5.6	MS	4.6	4.8	3.8	MR	3.0	100	S
16	KDQH-55(CAH1824)	6.8	4.5	5.6	MS	2.9	5.6	6.0	MS	4.5	100	S
17	QPMMH-41	5.0	4.0	4.5	MR	1.9	3.2	4.8	MS	2.5	100	S
18	QQPMH-14153	8.0	4.0	6.0	MS	3.2	4.4	5.5	MS	2.5	100	S
19	QQPMH-14191	4.8	4.5	4.6	MR	3.2	4.4	4.0	MR	2.5	100	S
20	APQH 9 (C)	5.0	5.5	5.3	MS	2.3	4.7	3.0	MR	5.0	100	S
21	HOPM I (C)	5.0	5.0	5.0	MR	2.8	5.8	6.0	MS	3.0	100	S
22	HQPM 5 (C)	7.3	3.5	5.4	MS	2.1	5.3	4.3	MS	4.5	100	S
23	HQPM7 (C)	6.0	3.5	4.8	MR	3.4	3.3	2.5	MR	4.0	100	S
24	Pratap QPM Hybrid 1 (C)	4.5	4.0	4.3	MR	3.1	4.9	2.5	MR	3.0	100	S
25	Pusa HM 8 (C)	5.5	5.0	5.3	MS	3.7	5.3	3.3	MR	3.0	100	S
26	Vivek Maize Hybrid 27 (C)	5.8	5.0	5.4	MS	3.1	3.7	4.0	MR	1.0	100	S
27	Res Check/filler	4.8	4.5	4.6	MR	-	5.8	4.0	MR	3.5	100	S
28	Sus Check	3.8	5.5	4.6	MR	3.2	3.1	5.3	MS	1.5	100	S
Z1	Location Mean	5.6	4.5			3.0	4.6	4.2		2.8	100	
Z2	CV (%)	30.8	22.6			20.5	24.9	38.9		62.3	0	
Z3	F (Prob)	0.4	0.8			0.0	0.3	0.6		0.3	-	
Z4	CD (5%)	3.5	2.1			1.2	2.4	3.4		3.5	0	
Z5	CD (1%)	4.8	2.8			1.7	3.2	4.6		4.8	0	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)

Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)

*COIM, *HYDE, *MAND (Data rejected due to low disease pressure)

Table 36. Screening of sweet corn I II III hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
1	BIO 4043	5.5	5.0	5.3	MS	2.1	-	-	-	5.3	MS	1.0	100	S
2	BSCH 416078	6.8	4.0	5.4	MS	2.2	4.2	4.2	MR	3.8	MR	1.0	100	S
3	BSCH 416086	6.5	7.0	6.8	MS	4.1	5.5	5.5	MS	3.0	MR	1.0	100	S
4	DSCH-320	9.0	6.5	7.8	S	2.5	5.6	5.6	MS	3.0	MR	6.5	100	S
5	FSCH-119	7.5	5.0	6.3	MS	3.0	5.8	5.8	MS	5.0	MS	4.5	100	S
6	NUZI 205	7.0	5.0	6.0	MS	1.6	4.8	4.8	MR	4.5	MS	6.5	100	S
7	NUZI 260	5.5	6.5	6.0	MS	2.1	6.9	6.9	MS	5.5	MS	3.5	100	S
8	SUGAR SWEET	5.0	6.0	5.5	MS	2.9	5.8	5.8	MS	3.5	MR	1.0	100	S
9	TOP SWEET	5.5	5.5	5.5	MS	2.7	4.0	4.0	MR	3.8	MR	1.0	100	S
10	Misthi (C)	4.8	4.5	4.6	MR	2.5	6.4	6.4	MS	3.0	MR	5.0	100	S
11	VL SWEET CORN (C)	7.5	4.0	5.8	MS	4.0	6.1	6.1	MS	3.5	MR	4.0	100	S
12	Res Check/filler	6.5	5.0	5.8	MS	2.8	-	-	-	3.6	MR	4.0	100	S
13	Sus Check	6.0	4.5	5.3	MS	3.9	6.3	6.3	MS	5.3	MS	4.5	100	S
Z1	Location Mean	6.4	5.3			2.8	5.6			4.1		3.4	100	
Z2	CV (%)	23.0	21.5			26.5	14.7			36.4		72.4	0	
Z3	F (Prob)	0.3	0.3			0.1	0.1			0.7		0.2	-	
Z4	CD (5%)	3.2	2.5			1.6	1.8			3.2		5.3	0	
Z5	CD (1%)	4.5	3.5			2.3	2.6			4.5		7.4	0	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, *MAND (Data rejected due to low disease pressure)

Table 37. Screening of pop corn I II III hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
1	APCH 2	6.3	6.0	6.1	MS	4.2	4.2	4.2	MR	4.5	MS	1.0	HR	100	S
2	APCH 3	6.8	5.5	6.1	MS	6.8	5.9	5.9	MS	4.5	MS	5.0	MS	100	S
3	DHM 117 (FILLER)	9.0	5.5	7.3	S	6.1	4.5	4.5	MR	5.5	MS	6.5	S	100	S
4	DPCH-306 (Filler)	6.0	6.5	6.3	MS	3.9	6.6	6.6	MS	4.0	MR	4.5	MS	100	S
5	H 1012	9.0	5.0	7.0	MS	4.4	6.5	6.5	MS	4.8	MS	3.0	MR	100	S
6	IHPC-1201	7.5	6.5	7.0	MS	4.6	4.3	4.3	MR	5.8	MS	6.0	MS	100	S
7	IHPC-1203	4.8	5.0	4.9	MR	2.7	7.0	7.0	MS	5.0	MS	2.5	MR	100	S
8	REHPC2015-2 (Filler)	6.5	6.0	6.3	MS	3.2	5.5	5.5	MS	5.0	MS	3.5	MR	100	S
9	DHM 121 (C)	9.0	4.5	6.8	MS	4.3	4.8	4.8	MR	4.8	MS	6.0	MS	100	S
10	Shalimar pop corn (C)	6.8	5.0	5.9	MS	5.1	5.0	5.0	MR	4.0	MR	3.0	MR	100	S
11	VL Amber pop corn (C)	9.0	4.5	6.8	MS	2.9	6.0	6.0	MS	3.3	MR	3.0	MR	100	S
12	Res Check/filler	8.3	6.0	7.1	MS	2.6	-	-	-	5.0	MS	4.0	MR	100	S
13	Sus Check	9.0	5.5	7.3	S	4.1	6.2	6.2	MS	5.3	MS	2.5	MR	100	S
Z1	Location Mean	7.5	5.5			4.2	5.5			4.7		3.9		100	
Z2	CV (%)	30.8	27.4			8.6	15.2			39.0		25.7		0	
Z3	F (Prob)	0.7	0.9			0.0	0.1			1.0		0.0		-	
Z4	CD (5%)	5.0	3.3			0.8	1.9			4.0		2.2		0	
Z5	CD (1%)	7.1	4.6			1.1	2.6			5.6		3.1		0	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, (Data rejected due to low disease pressure)

Table 38. Screening of baby corn I II III hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)		SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	MAND	Reaction	MAND	Reaction
1	AH 7204	8.0	4.0	6.0	MS	2.8	7.3	7.3	S	3.5	MR	4.0	MR	100	S
2	AH-5021	8.5	4.5	6.5	MS	1.9	6.3	6.3	MS	3.8	MR	3.5	MR	100	S
3	AH-7043	7.8	2.5	5.1	MR	4.2	5.2	5.2	MS	3.8	MR	6.5	S	100	S
4	AH-7188	5.3	3.5	4.4	MR	2.4	7.0	7.0	MS	4.5	MS	1.5	R	100	S
5	DHM 117 (FILLER)	5.5	3.0	4.3	MR	1.7	6.3	6.3	MS	3.8	MR	3.5	MR	100	S
6	DHM 121 (FILLER)	4.3	2.5	3.4	MR	2.3	4.6	4.6	MR	3.1	MR	5.5	MS	100	S
7	J 1006 (FILLER)	3.5	6.0	4.8	MR	2.0	5.2	5.2	MS	3.5	MR	7.0	S	100	S
8	LMH 3517	7.0	4.5	5.8	MS	2.5	6.7	6.7	MS	3.5	MR	2.5	MR	100	S
9	PAC321	6.8	2.5	4.6	MR	1.8	5.2	5.2	MS	2.8	MR	5.0	MS	26	MS
10	PMH 2	8.5	8.5	8.5	S	3.6	5.6	5.6	MS	3.3	MR	4.5	MS	100	S
11	VL Baby corn 2 (C)	8.5	3.5	6.0	MS	2.3	5.8	5.8	MS	3.3	MR	3.0	MR	100	S
12	Res Check/filler	6.8	4.5	5.6	MS	1.2	6.7	6.7	MS	3.3	MR	1.5	R	100	S
13	Sus Check	9.0	4.0	6.5	MS	1.9	5.8	5.8	MS	8.0	S	4.5	MS	100	S
Z1	Location Mean	6.9	4.1			2.3	6.0			3.8		4.0		94	
Z2	CV (%)	24.0	36.8			53.5	14.4			11.3		57.4		1	
Z3	F (Prob)	0.1	0.1			0.6	0.2			0.0		0.4		0	
Z4	CD (5%)	3.6	3.3			2.7	1.9			1.0		5.1		2	
Z5	CD (1%)	5.0	4.6			3.8	2.6			1.3		7.1		3	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM (Data rejected due to low disease pressure)

Table 39. Screening of rainfed I II III maize hybrids in PZ

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
1	ADH 1608	3.5	4.5	4.0	MR	2.8	5.8	5.8	MS	4.0	MR	2.5	66	S
2	ADH 1619	4.8	6.0	5.4	MS	5.1	6.0	6.0	MS	3.0	MR	3.0	100	S
3	ADH 8070	4.5	5.5	5.0	MR	3.6	5.6	5.6	MS	3.5	MR	1.0	100	S
4	ADH 8106	4.5	5.0	4.8	MR	2.4	4.6	4.6	MR	2.0	R	1.5	100	S
5	ADH1620	4.5	5.0	4.8	MR	3.7	5.8	5.8	MS	2.3	MR	2.5	88	S
6	AH 8178	7.5	5.5	6.5	MS	3.9	4.9	4.9	MR	3.8	MR	2.5	87	S
7	AH8127	5.0	5.5	5.3	MS	1.9	5.8	5.8	MS	5.3	MS	1.5	100	S
8	CAH1511	5.8	5.5	5.6	MS	4.5	5.1	5.1	MR	2.3	MR	1.0	85	S
9	CMH 12 686	3.5	4.0	3.8	MR	2.5	3.8	3.8	MR	3.3	MR	1.5	97	S
10	CMH 15-005	3.5	5.0	4.3	MR	3.7	4.6	4.6	MR	5.0	MS	3.5	100	S
11	DMRH1417	8.0	6.0	7.0	MS	5.2	3.1	3.1	R	2.5	MR	3.0	100	S
12	KDM-115	4.0	8.5	6.3	MS	4.9	6.4	6.4	MS	2.8	MR	4.0	100	S
13	KMH-1(CAH-1612)	2.8	4.5	3.7	MR	2.9	6.1	6.1	MS	2.3	MR	1.0	97	S
14	OMH 17-47	4.5	5.0	4.8	MR	2.5	5.5	5.5	MS	3.1	MR	4.0	97	S
15	OMH14-27	3.8	4.5	4.1	MR	5.0	5.5	5.5	MS	3.6	MR	3.5	96	S
16	PHM1801 (CAH1801)	5.8	5.5	5.6	MS	3.9	5.5	5.5	MS	4.0	MR	3.0	100	S
17	RCRMH10(CAH174)	4.5	7.5	6.0	MS	4.3	4.8	4.8	MR	2.8	MR	1.0	80	S
18	RCRMH11(CAH173)	3.8	5.5	4.7	MR	2.8	5.7	5.7	MS	2.1	MR	2.5	76	S
19	RCRMH7(ZH138388)	5.3	5.0	5.1	MR	3.0	4.8	4.8	MR	4.6	MS	2.5	100	S
20	RCRMH9(CAH1713)	5.0	4.0	4.5	MR	5.0	7.1	7.1	MS	3.2	MR	1.0	100	S
21	TA 5084	4.1	5.0	4.5	MR	2.2	3.5	3.5	MR	4.9	MS	1.5	97	S
22	VaMH 15028	6.5	5.5	6.0	MS	2.9	5.3	5.3	MS	5.0	MS	1.5	85	S
23	VaMH 15036	3.0	5.0	4.0	MR	2.6	4.7	4.7	MR	2.9	MR	2.0	81	S
24	VaMH 16008	3.0	6.0	4.5	MR	6.2	4.7	4.7	MR	3.9	MR	2.0	96	S
25	Vivek maize hybrid 45	3.1	6.0	4.6	MR	2.7	5.8	5.8	MS	2.5	MR	3.0	100	S
26	Vivek maize hybrid 51	3.3	7.0	5.1	MR	4.6	7.3	7.3	S	2.1	MR	2.5	98	S
27	ZH161032	6.0	4.0	4.0	MR	4.5	6.0	6.0	MS	3.6	MR	2.0	98	S
28	BIO 605 (C)	3.0	4.5	3.8	MR	3.1	6.3	6.3	MS	2.3	MR	1.5	58	S
29	BIO 9544 (C)	4.3	6.5	5.4	MS	4.3	3.8	3.8	MR	2.6	MR	1.5	16	MR
30	BIO 9682 (C)	4.5	3.5	4.0	MR	2.5	6.0	6.0	MS	2.0	R	3.5	19	MR
31	CMH 08 287 (C)	5.6	4.0	4.8	MR	2.1	7.0	7.0	MS	5.3	MS	3.0	100	S

Contd.

Table 39. (Contd.)

S. No.	Genotype	TLB (1-9)				C Rot (1-9)				C Rust (1-9)		P Rust (1-9)	SDM (%)	
		DHAR	MAND	Av Score	Reaction	*COIM	HYDE	Av Score	Reaction	DHAR	Reaction	*MAND	MAND	Reaction
32	CMH 08 292 (C)	4.0	5.5	4.8	MR	3.6	6.4	6.4	MS	2.5	MR	2.0	36	MS
33	DKC 7074 (C)	7.0	4.5	5.8	MS	3.1	5.3	5.3	MS	3.9	MR	3.0	25	MR
34	Res Check/filler	3.0	5.0	4.0	MR	2.1	4.8	4.8	MR	2.7	MR	1.0	91	S
35	Sus Check	5.8	6.0	5.9	MS	3.6	6.5	6.5	MS	5.1	MS	2.5	100	S
Z1	Location Mean	4.6	5.3			3.5	5.4			3.3		2.2	85	
Z2	CV (%)	35.6	20.0			39.8	23.3			54.4		69.3	13	
Z3	F (Prob)	0.2	0.0			0.3	0.3			0.9		0.9	0	
Z4	CD (5%)	3.3	2.2			2.8	2.6			3.7		3.2	22	
Z5	CD (1%)	4.5	2.9			3.8	3.5			4.9		4.2	29	

Resistant check: LM 13 (TLB, C Rot); CI 4 (C Rust); NAH 3137/Hema (SDM)
Susceptible check: Surya (TLB, C Rot, SDM); CM 202 (C Rust, P Rust)
*COIM, *MAND (Data rejected due to low disease pressure)

Table 40. Screening of NIVT (late maturity) maize hybrids in CWZ

S. No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	ADV 7132	4.5	20.5	1.7	3-6	MR
2	AH 1625	2.5	15.0	4.1	25-32	S
3	AH 8087	5.3	34.0	2.7	24-32	S
4	AH 8323	3.3	7.5	2.6	20-28	S
5	BH416112	2.5	10.0	3.7	18-24	S
6	BIO 534	2.5	22.5	3.3	15-24	S
7	BIO 536	2.5	19.5	4.4	13-18	S
8	BLH135	2.5	15.0	4.2	31-43	S
9	BLH137	2.0	9.5	3.5	32-38	S
10	BRMH-16039	1.0	17.5	2.0	17-22	S
11	CMH14-716	3.5	13.0	2.5	30-38	S
12	CMH14-722	2.0	23.0	3.9	13-24	S
13	CP808 SUPER	2.3	21.5	2.4	4-7	MR
14	DH-315	1.8	19.0	2.8	16-21	S
15	FAUJI	2.8	12.0	1.4	29-36	S
16	GK3124	5.8	10.0	4.3	21-26	S
17	GK3164	3.8	17.5	5.2	22-31	S
18	HKH-366	3.0	8.0	1.6	20-28	S
19	HT18007	4.0	15.0	1.8	16-21	S
20	IMHSB-17K-08	2.5	19.0	2.4	19-26	S
21	IMHVS-005	3.3	15.0	2.4	22-29	S
22	JH 15002	1.5	10.0	1.3	24-33	S
23	JH 16026	1.8	19.0	1.0	27-32	S
24	JH 16224	2.8	16.0	3.0	24-33	S
25	JH 17014	4.0	18.5	5.4	33-44	S
26	JH 17026	1.8	14.0	3.2	3-8	MR
27	JH 17029	3.5	14.5	2.5	17-24	S
28	JKMH1581	3.5	15.0	3.2	15-21	S
29	KMH-005	1.0	12.0	1.7	19-26	S
30	KMH-1(CAH1612)	3.3	12.5	3.3	NG	-
31	KNMH-4185	3.8	17.0	3.2	18-26	S
32	KNMH-4187	2.8	17.0	2.5	28-33	S
33	MAH-14-138	3.0	15.0	3.1	21-27	S
34	MAH-14-239	2.8	39.5	7.0	31-38	S
35	MFH18-13	2.5	18.5	1.5	NG	
36	MFH18-14	2.8	19.0	4.2	32-40	S
37	MM2033	3.5	15.0	2.3	13-22	S
38	MM2828	3.0	35.0	6.0	12-23	S
39	MM9207	2.5	18.0	4.2	16-23	S
40	OMH 17-2	6.0	15.5	6.1	15-20	S
41	PHM1801 (CAH1801)	2.3	9.5	3.5	15-20	S

Contd.

Table 40. (Contd.)

S. No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
42	PM18101L	1.3	27.0	1.8	20-25	S
43	PM18102L	7.0	15.0	1.7	3-8	MR
44	PM18103L	2.0	51.0	1.4	32-42	S
45	PM18104L	1.8	12.5	5.3	19-24	S
46	PM18105L	3.0	15.0	2.0	15-20	S
47	PM18106L	5.5	11.0	3.2	21-27	S
48	QMH 1590	2.5	10.0	2.6	10-16	S
49	QMH1571	2.8	5.0	2.7	18-22	S
50	Rasi 4992	4.5	15.0	4.1	18-22	S
51	Rasi 70197	3.8	22.5	2.7	NG	-
52	STARX-5	4.3	12.0	2.2	12-18	S
53	SUPER-4050	2.8	7.5	2.8	16-23	S
54	SYN816514	2.8	12.5	5.8	17-23	S
55	TS2505	4.5	16.0	4.5	11-17	S
56	TS2601	2.8	17.5	1.6	20-25	S
57	X5826	3.5	17.0	1.2	12-19	S
58	X5873	4.3	15.0	3.1	14-21	S
59	BIO 9682 (Check)	1.5	21.5	4.1	13-18	S
60	CMH 08-282 (Check)	3.0	31.0	2.3	14-20	S
61	CMH 08-287 (Check)	6.0	12.5	3.9	11-18	S
62	NK 6240 (Check)	2.5	18.0	3.0	15-21	S
63	LM 13 (Res Check/filler)	3.5	38.0	3.8	29-40	S
64	Sus. Check	3.8	20.0	1.5	25-32	S
65	PHM-3 (R. Check)	-	-	-	5-8	MR
66	PEHM-2 (Sus Check)	-	-	-	30-39	S
Z1	Location Mean	3.12	17.45	3.08		
Z2	CV (%)	46.05	72.52	40.55		
Z3	F (Prob)	0.06	0.77	0		
Z4	CD (5%)	2.87	25.29	2.49		
Z5	CD (1%)	3.82	33.62	3.31		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 41. Screening of NIVT (medium maturity) maize hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	AH 4158	3.3	20.5	3.1	25-32	S
2	AH 4271	2.8	14.0	3.6	12-18	S
3	AH8070	2.5	18.5	4.8	12-18	S
4	AH8071	4.3	15.0	4.3	18-24	S
5	BH416032	4.3	17.5	2.5	18-22	S
6	BH416067	3.3	13.0	1.9	33-44	S
7	BH416215	2.5	16.5	2.3	24-33	S
8	BLH136	2.5	11.0	3.2	15-19	S
9	CAH1511	3.0	16.0	2.4	3-8	MR
10	CMH2425	2.3	23.0	3.8	24-33	S
11	CMH2525	2.8	9.5	2.7	21-27	S
12	DH-316	3.0	19.0	5.2	16-23	S
13	DH-317	5.0	11.0	0.7	24-33	S
14	DHM -117 (FILLER)	2.0	7.0	3.6	13-22	S
15	H1013	2.0	68.0	2.4	24-33	S
16	HKH-368	3.5	15.0	2.2	10-16	S
17	HKH-369	2.8	19.0	4.2	12-17	S
18	HT18607	2.5	10.0	2.6	13-18	S
19	IH-0965	2.5	15.0	2.8	7-12	S
20	IH-1604	3.0	28.0	3.4	18-22	S
21	IMHL-K-1	2.0	12.5	3.0	6-9	MR
22	IMHL-K-2	2.0	21.5	3.7	20-25	S
23	IMHL-K-3	3.3	16.0	2.5	21-27	S
24	IMHSB-18K-03	3.0	48.5	3.7	23-33	S
25	IMHSB-18K-04	3.0	15.0	2.7	10-16	S
26	IMHSB-18K-07	2.3	9.5	4.7	25-32	S
27	IMHSB-18K-10	4.8	15.0	3.0	32-38	S
28	IMHSB-18K-11	2.8	43.0	6.7	20-25	S
29	IMHSB-18K-12	2.0	44.5	1.9	32-40	S
30	IMHSB-18K-13	2.5	28.0	3.8	18-26	S
31	IMHSB-18K-14	2.8	10.0	4.9	10-18	S
32	IMHSB-18K-15	2.3	14.0	2.6	31-36	S
33	IMHSB-18K-16	3.5	11.0	2.1	24-33	S
34	IMHSB-18K-18	2.8	13.0	2.0	233-44	S
35	IMHSB-18K-2	1.5	9.5	2.7	11-17	S
36	IMHSB-18K-5	2.0	25.5	1.7	18-26	S
37	IMHSB-18K-6	2.8	11.3	4.9	12-18	S
38	IMHSB-18K-8	2.5	16.0	3.1	5-8	MR
39	IMHSB-18K-9	2.5	11.5	5.0	27-32	S
40	IMHVS-001	2.3	23.0	4.6	17-23	S
41	IMHVS-002	3.3	7.5	3.9	10-18	S
42	INDAM 1118	2.3	22.0	3.1	30-38	S
43	IS8249(DKC8191)	3.8	10.5	3.1	21-29	S
44	IS8425(DKC9194)	3.0	21.5	3.3	15-20	S
45	IS8640(DKC9198)	2.5	15.0	1.1	19-24	S
46	IS8723(DKC9190)	2.3	28.5	3.1	14-18	S
47	JKMH1518	2.5	8.0	3.9	21-29	S

Contd.

Table 41. (Contd.)

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
48	KMH 17-105	2.5	28.5	4.2	16-23	S
49	KMH 17-6	3.0	15.0	3.6	9-16	S
50	KMH-004	7.0	9.5	1.9	24-33	S
51	KNMH-4181	4.8	12.0	2.1	12-18	S
52	KNMH-4182	2.5	10.0	2.2	15-20	S
53	KNMH-4183	5.0	12.5	4.6	24-32	S
54	KNMH-4184	2.0	7.5	2.7	27-32	S
55	LMH 1217	3.5	20.3	4.8	2-6	MR
56	LMH 1417	4.5	17.0	2.5	16-23	S
57	LMH 3117	2.0	17.5	6.3	21-27	S
58	LMH 3417	2.5	28.5	4.1	20-25	S
59	MM9309	3.0	14.0	2.8	2-7	MR
60	MMH-1708	3.0	2.5	4.6	29-36	S
61	MMH18-11	2.3	30.0	2.9	42-50	S
62	MMH18-12	3.0	5.0	2.5	14-18	S
63	NAVNEET	3.5	41.5	4.9	15-22	S
64	OMH 17-47	5.3	19.0	3.0	15-20	S
65	PM18107M	2.8	32.5	1.1	15-22	S
66	PM18108M	5.5	15.0	1.7	12-20	S
67	RCRMH7(ZH138388)	4.5	20.5	3.7	15-22	S
68	RCRMH9(CAH1713)	1.5	14.0	5.2	15-20	S
69	SYN816604	3.3	5.0	2.1	20-25	S
70	TMMH886	0.8	10.0	2.2	45-52	S
71	TS2506	3.8	17.3	3.8	17-23	S
72	TUFAN	3.0	12.5	3.9	16-21	S
73	VH11130	5.8	18.5	3.1	10-18	S
74	VaMH 15015	1.8	15.0	3.0	24-30	S
75	ZH161032	3.0	10.0	2.2	5-9	MR
76	BIO 9544 (C)	2.5	11.5	1.6	13-22	S
77	CMH-08-292 (C)	3.0	31.0	1.8	15-20	S
78	DHM-121 (C)	2.3	35.0	3.7	30-42	S
79	LM 13 (Res Check/filler)	0.8	17.0	1.4	16-23	S
80	Sus. Check	3.0	18.5	1.4	27-32	S
81	PHM-3 (R. Check)	-	-	-	4-7	MR
82	PEHM-2 (Sus Check)	-	-	-	28-38	S
Z1	Location Mean	3.0	18.1	3.2		
Z2	CV (%)	45.5	82.1	44.2		
Z3	F (Prob)	0.1	0.4	0.0		
Z4	CD (5%)	2.7	29.7	2.8		
Z5	CD (1%)	3.6	39.3	3.7		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 42. Screening of NIVT (early maturity) maize hybrids in CWZ

S. No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	AH 1619	2.0	12.0	4.2	5-8	MR
2	AH8106	4.3	11.8	1.7	16-23	S
3	AH8181	2.3	16.0	4.4	24-32	S
4	DH-318	1.5	14.3	2.2	12-18	S
5	DH-319	4.3	12.5	4.5	32-42	S
6	DHM 117 (FILLER)	3.0	11.5	2.5	21-29	S
7	EH-2936	4.0	33.5	3.6	16-21	S
8	EH-3369	3.5	15.0	2.6	12-18	S
9	FH3861	1.5	8.5	1.7	25-32	S
10	FH3864	1.0	17.5	3.1	7-12	S
11	FH3875	4.5	23.5	3.8	20-25	S
12	FH3879	2.8	29.0	3.1	30-38	S
13	HKH-365	2.3	30.0	2.3	18-22	S
14	IMHSB-18K-01	2.3	6.1	6.4	18-24	S
15	IMHVS-003	2.8	12.5	2.3	17-22	S
16	IMHVS-004	2.8	12.5	1.6	10-18	S
17	JH 31950	2.3	17.5	2.1	16-23	S
18	JH 32014	2.0	6.5	3.9	21-27	S
19	JH 32055	2.8	12.0	2.5	27-32	S
20	JH 32056	3.8	27.0	4.4	13-22	S
21	JH 32057	2.8	27.5	4.5	10-16	S
22	JH 32094	2.0	18.0	3.6	3-8	MR
23	KMH 17-38	2.3	19.5	2.0	24-33	S
24	KMH 17-89	5.3	14.5	5.6	15-20	S
25	LMH 3817	1.3	8.8	2.9	29-36	S
26	LMH 3917	3.0	12.0	2.2	19-27	S
27	LMH 4017	1.5	12.0	4.5	19-26	S
28	RCRMH10(CAH174)	2.0	36.0	5.3	23-28	S
29	RCRMH11(CAH173)	4.8	6.3	3.7	15-22	S
30	REH2016-1	6.8	7.5	3.5	13-17	S
31	VIRAT	2.8	10.5	2.7	20-28	S
32	X104	3.0	15.0	4.2	21-29	S
33	BIO 605 (C)	3.8	7.5	1.8	20-25	S
34	DKC 7074 (C)	3.8	24.5	4.0	16-21	S
35	PMH 5 (C)	3.3	49.0	3.1	18-26	S
36	Vivek Maize Hybrid 45 (C)	1.3	17.0	2.5	14-19	S
37	Vivek Maize Hybrid 51 (C)	4.3	11.0	3.0	14-21	S
38	LM 13 (Res Check/filler)	2.9	16.5	3.3	13-20	S
39	Sus. Check	2.8	6.3	5.0	28-33	S
40	PHM-3 (R. Check)	-	-	-	4-7	MR
41	PEHM-2 (Sus Check)	-	-	-	30-36	S
Z1	Location Mean	2.3	11.3	2.9		
Z2	CV (%)	61.8	61.3	38.8		
Z3	F (Prob)	0.6	0.0	0.1		
Z4	CD (5%)	3.7	20.5	2.6		
Z5	CD (1%)	4.9	27.4	3.5		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 43. Screening of AVT I II (late maturity) maize hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	BIO 218	1.8	54	6.6	17-23	S
2	DHM 117 (FILLER)	4.5	19	3.8	31-36	S
3	DKC9185(IR8449)	3.3	11	3.4	25-34	S
4	HT17169	4.3	9	6.0	13-18	S
5	J 1006 (FILLER)	4.3	17	6.3	4-8	MR
6	JH 16040	2.8	22	3.7	15-19	S
7	JH 16081	5.0	30	4.8	20-28	S
8	SUPER1818	3.8	15	3.9	23-33	S
9	BIO 9682 (C)	5.5	28	3.2	24-32	S
10	CMH 08-282 (C)	3.0	52	2.4	19-26	S
11	CMH 08-287 (C)	4.0	11	4.1	19-24	S
12	LM 13 (Res Check/filler)	2.8	7	4.7	30-42	S
13	Sus. Check	1.5	30	5.0	11-17	S
14	PHM-3 (R. Check)	-	-	-	5-9	MR
15	PEHM-2 (Sus Check)	-	-	-	29-36	S
Z1	Location Mean	3.6	23	4.4		
Z2	CV (%)	48.6	65	28.3		
Z3	F (Prob)	0.5	0	0.1		
Z4	CD (5%)	3.8	33	2.7		
Z5	CD (1%)	5.3	46	3.8		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 44. Screening of AVT I II (medium maturity) maize hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	BLH118	2.8	20	3.8	17-27	S
2	DHM 117 (FILLER)	4.5	16	2.2	31-43	S
3	DKC8174(IQ8319)	1.3	28	3.2	24-32	S
4	DKC9179(IQ8627)	2.3	13	3.0	4-7	MR
5	EH-2906	1.5	13	3.7	14-20	S
6	J 1006 (FILLER)	1.5	21	4.7	28-38	S
7	JKMH1414	2.5	31	1.5	12-19	S
8	RCRMH-2	1.5	30	4.4	19-24	S
9	Bio 9544 (C)	2.8	6	3.5	23-26	S
10	CMH 08-292 (C)	2.5	21	1.9	18-25	S
11	DHM 121 (C)	1.5	38	5.7	20-26	S
12	LM 13 (Res Check/filler)	2.8	14	2.5	32-40	S
13	Sus. Check	5.8	6	1.6	25-35	S
14	PHM-3 (R. Check)	-	-	-	2-6	MR
15	PEHM-2 (Sus Check)	-	-	-	26-35	S
Z1	Location Mean	2.5	20	3.2		
Z2	CV (%)	71.7	102	35.8		
Z3	F (Prob)	0.5	1	0.1		
Z4	CD (5%)	4.0	44	2.5		
Z5	CD (1%)	5.6	61	3.5		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
*UDAI (Data rejected due to low disease pressure)

Table 45. Screening of AVT I II (early maturity) maize hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	BIO 605	1.0	14	2.2	31-36	S
2	DH-313	0.7	38	2.1	-	-
3	DKC 7074	2.3	40	3.9	24-33	S
4	EH2891	2.2	19	2.4	14-20	S
5	FH-3823	2.8	34	3.4	25-32	S
6	JH 31947	1.7	32	3.3	19-27	S
7	JH 32010	1.0	12	2.6	15-22	S
8	PMH 5	3.2	5	2.2	20-27	S
9	LM 13 (Res Check/filler)	2.8	28	1.4	35-39	S
10	Sus. Check	2.2	18	3.5	27-35	S
11	PHM-3 (R. Check)	-	-	-	3-9	MR
12	PEHM-2 (Sus Check)	-	-	-	29-36	S
Z1	Location Mean	2.0	24	2.7		
Z2	CV (%)	86.3	90	52.0		
Z3	F (Prob)	0.6	1	0.5		
Z4	CD (5%)	2.9	37	2.4		
Z5	CD (1%)	4.0	50	3.3		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 46. Screening of QPM I II III hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	APH2	2.8	28	4.3	28-35	S
2	APQH1(QPM+PRO-A)	5.0	7	2.5	22-30	S
3	APQH5(QPM+PRO-A)	1.5	27	3.2	16-26	S
4	EHQ-640	3.5	14	3.8	15-22	S
5	FQH-140	1.8	15	4.7	19-24	S
6	FQH-148	2.0	19	5.3	14-21	S
7	IIMRQPMH 1705	4.0	8	3.4	24-29	S
8	IQPMH-18-1	3.8	16	2.8	14-19	S
9	IQPMH-18-2	3.3	6	3.5	2-7	MR
10	IQPMH-18-3	2.3	27	3.1	26-33	S
11	IQPMH-18-4	2.0	12	5.9	25-34	S
12	IQPMH-18-5	4.0	11	2.1	15-21	S
13	KDQH-55(CAH1824)	3.5	4	1.3	31-39	S
14	QPMMH-41	2.0	50	1.6	18-28	S
15	QQPMH-14153	1.0	22	4.5	23-33	S
16	QQPMH-14191	1.8	19	4.1	24-32	S
17	APQH 9 (C)	3.0	10	6.1	18-24	S
18	HQPM 5 (C)	3.8	12	2.7	31-38	S
19	HQPM 1 (C)	3.0	31	2.6	4-8	MR
20	Pratap QPM Hybrid 1 (C)	3.3	16	2.4	13-22	S
21	LM 13 (Res Check/filler)	1.8	35	2.1	33-40	S
22	Sus. Check	2.0	33	2.4	30-40	S
23	PHM-3 (R. Check)	-	-	-	5-8	MR
24	PEHM-2 (Sus Check)	-	-	-	29-37	S
Z1	Location Mean	2.8	19	3.4		
Z2	CV (%)	35.7	106	50.3		
Z3	F (Prob)	0.0	1	0.3		
Z4	CD (5%)	2.1	42	3.5		
Z5	CD (1%)	2.8	57	4.8		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
*UDAI (Data rejected due to low disease pressure)

Table 47. Screening of sweet corn I II III hybrids in CWZ

S.No	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	BIO 4043	4.8	15	3.2	32-40	S
2	BSCH 416078	4.5	45	4.6	31-36	S
3	BSCH 416086	3.0	11	4.2	5-8	MR
4	DSCH-320	4.5	25	4.0	15-23	S
5	FSCH-119	5.8	18	3.9	13-18	S
6	NUZI 205	3.3	9	6.3	28-35	S
7	NUZI 260	5.3	15	4.0	30-38	S
8	SUGAR SWEET	6.0	49	4.9	20-29	S
9	TOP SWEET	3.8	19	5.7	15-21	S
10	Misthi (C)	6.3	45	1.8	14-19	S
11	VL SWEET CORN (C)	2.0	18	3.9	16-21	S
12	LM 13 (Res Check/filler)	5.5	18	3.8	26-32	S
13	Sus. Check	5.3	26	2.9	25-32	S
14	PHM-3 (R. Check)	-	-	-	5-9	MR
15	PEHM-2 (Sus Check)	-	-	-	28-33	S
Z1	Location Mean	4.6	24	4.1		
Z2	CV (%)	34.9	100	30.2		
Z3	F (Prob)	0.3	1	0.2		
Z4	CD (5%)	3.5	52	2.7		
Z5	CD (1%)	4.9	73	3.8		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 48. Screening of pop corn I II III hybrids in CWZ

S.No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	APCH 2	2.8	9	5.6	21-28	S
2	APCH 3	1.8	12	4.9	30-40	S
3	DHM 117 (FILLER)	1.8	48	4.6	3-7	MR
4	DPCH-306 (Filler)	2.8	19	2.4	32-40	S
5	H 1012	3.3	19	3.7	31-36	S
6	IHPC-1201	3.0	19	5.2	23-32	S
7	IHPC-1203	1.8	11	2.9	20-25	S
8	REHPC2015-2 (Filler)	2.0	13	2.5	13-18	S
9	DHM 121 (C)	3.3	29	5.3	5-9	MR
10	Shalimar pop corn (C)	1.3	36	5.8	23-33	S
11	VL Amber pop corn (C)	2.3	13	4.3	24-30	S
12	LM 13 (Res Check/filler)	3.5	4	2.6	29-37	S
13	Sus. Check	4.8	20	2.8	28-33	S
14	PHM-3 (R. Check)	-	-	-	4-8	MR
15	PEHM-2 (Sus Check)	-	-	-	30-36	S
Z1	Location Mean	2.6	19	4.0		
Z2	CV (%)	51.0	118	26.3		
Z3	F (Prob)	0.5	1	0.0		
Z4	CD (5%)	2.9	49	2.3		
Z5	CD (1%)	4.1	69	3.2		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
*UDAI (Data rejected due to low disease pressure)

Table 49. Screening of baby corn I II III hybrids in CWZ

S. No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	AH 7204	3.0	64	4.4	14-19	S
2	AH-5021	2.3	6	2.0	22-29	S
3	AH-7043	1.0	27	4.1	14-19	S
4	AH-7188	1.8	21	5.1	11-20	S
5	DHM 117 (FILLER)	3.8	7	3.2	23-34	S
6	DHM 121 (FILLER)	3.0	27	4.2	4-9	MR
7	J 1006 (FILLER)	1.3	4	2.5	22-27	S
8	LMH 3517	3.8	18	3.9	15-22	S
9	PAC321	2.5	19	5.1	21-26	S
10	PMH 2	2.8	15	5.8	16-23	S
11	VL Baby corn 2 (C)	3.5	29	6.5	21-29	S
12	LM 13 (Res Check/filler)	1.5	15	5.1	34-41	S
13	Sus. Check	2.5	12	2.0	26-34	S
14	PHM-3 (R. Check)	-	-	-	3-7	MR
15	PEHM-2 (Sus Check)	-	-	-	27-32	S
Z1	Location Mean	2.5	20	4.1		
Z2	CV (%)	103.9	47	27.1		
Z3	F (Prob)	1.0	0	0.0		
Z4	CD (5%)	5.7	21	2.4		
Z5	CD (1%)	7.9	29	3.4		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
*UDAI (Data rejected due to low disease pressure)

Table 50. Screening of rainfed I II III maize hybrids in CWZ

S. No.	Genotype	CLS (1-9)	RDM (%)	FSR (1-9)	Cyst Nematode	
		*UDAI	*UDAI	*UDAI	UDAI	Reaction
1	ADH 1608	2.0	7	4.9	26-34	S
2	ADH 1619	3.5	33	5.0	14-21	S
3	ADH 8070	2.3	35	5.8	27-32	S
4	ADH 8106	3.0	4	4.8	3-7	MR
5	ADH1620	4.0	30	3.4	23-27	S
6	AH 8178	2.3	16	2.4	26-34	S
7	AH8127	4.0	15	3.8	13-20	S
8	CAH1511	5.5	6	3.8	18-24	S
9	CMH 12 686	3.8	35	6.3	18-25	S
10	CMH 15-005	1.0	23	3.1	15-22	S
11	DMRH1417	3.0	21	3.9	30-38	S
12	KDM-115	1.3	10	5.2	23-30	S
13	KMH-1(CAH-1612)	2.5	13	3.6	15-20	S
14	OMH 17-47	3.0	12	3.9	3-8	MR
15	OMH14-27	1.8	20	2.9	33-40	S
16	PHM1801 (CAH1801)	1.8	10	4.1	17-25	S
17	RCRMH10(CAH174)	3.5	0	3.6	21-28	S
18	RCRMH11(CAH173)	3.5	13	3.8	29-36	S
19	RCRMH7(ZH138388)	4.3	18	5.3	13-22	S
20	RCRMH9(CAH1713)	4.3	7	4.2	32-42	S
21	TA 5084	2.5	24	4.3	15-27	S
22	VaMH 15028	3.0	4	3.9	10-24	S
23	VaMH 15036	1.8	14	6.2	24-32	S
24	VaMH 16008	3.0	3	4.7	19-26	S
25	Vivek maize hybrid 45	3.3	13	3.9	24-32	S
26	Vivek maize hybrid 51	1.8	23	6.2	18-26	S
27	ZH161032	2.3	17	3.3	15-23	S
28	BIO 605 (C)	3.3	22	3.0	20-30	S
29	BIO 9544 (C)	3.8	10	4.9	25-31	S
30	BIO 9682 (C)	2.0	16	4.0	25-32	S
31	CMH 08 287 (C)	1.5	8	4.3	2-8	MR
32	CMH 08 292 (C)	1.5	8	5.6	13-25	S
33	DKC 7074 (C)	1.5	17	4.2	21-27	S
34	LM 13 (Res Check/filler)	5.8	11	4.0	30-36	S
35	Sus. Check	1.5	3	3.5	29-40	S
36	PHM-3 (R. Check)	-	-	-	6-9	MR
37	PEHM-2 (Sus Check)	-	-	-	34-41	S
Z1	Location Mean	2.8	15	4.3		
Z2	CV (%)	60.3	113	26.1		
Z3	F (Prob)	0.6	1	0.1		
Z4	CD (5%)	3.4	34	2.3		
Z5	CD (1%)	4.6	45	3.0		

Resistant check: LM 13 (CLS, RDM, FSR)
Susceptible check: Surya (CLS, RDM, FSR)
* UDAI (Data rejected due to low disease pressure)

Table 51. Screening of inbreed lines

S. No	Inbred Lines	Contributing AICRP Centre	TLB (1-9) NHZ			TLB (1-9) PZ					
			BAJA	ALMO	Reaction	DHAR	SE	MAND	SE	Av Score	Reaction
1	BAJIM-16-1	Bajaura	4.00	0.00	MR	5.76	0.71	4.64	1.10	5.20	MS
2	BAJIM-16-10	Bajaura	2.00	0.00	R	5.29	0.71	6.87	1.10	6.08	MS
3	BAJIM-16-11	Bajaura	3.00	1.00	R	5.74	0.71	2.94	1.11	4.34	MR
4	BAJIM-16-12	Bajaura	3.00	0.00	R	4.23	0.71	5.29	1.11	4.76	MR
5	BAJIM-16-2	Bajaura	3.00	1.00	R	6.23	0.71	5.10	1.11	5.67	MS
6	BAJIM-16-3	Bajaura	4.00	1.00	MR	6.76	0.71	4.25	1.11	5.51	MS
7	BAJIM16-4	Bajaura	4.00	3.00	MR	5.26	0.71	3.52	1.11	4.39	MR
8	BAJIM-16-5	Bajaura	3.00	3.00	R	7.50	0.71	2.76	1.10	5.13	MR
9	BAJIM-16-6	Bajaura	3.00	0.00	R	4.38	0.71	4.47	1.10	4.43	MR
10	BAJIM16-7	Bajaura	3.00	0.00	R	5.88	0.71	4.61	1.11	5.25	MS
11	BAJIM-16-8	Bajaura	4.00	0.00	MR	6.70	0.71	4.30	1.11	5.50	MS
12	BAJIM-16-9	Bajaura	3.00	3.00	R	6.05	0.71	4.27	1.11	5.16	MS
13	HUZM-152	Varanasi	3.00	-	R	5.12	0.71	2.86	1.10	3.99	MR
14	HUZM-186	Varanasi	3.00	0.00	R	6.53	0.71	2.95	1.10	4.74	MR
15	HUZM-246	Varanasi	3.00	1.00	R	4.74	0.71	5.08	1.11	4.91	MR
16	HUZM-265	Varanasi	3.00	5.00	R	4.77	0.71	3.50	1.11	4.14	MR
17	HUZM-36	Varanasi	2.00	1.00	R	4.40	0.71	3.39	1.11	3.90	MR
18	HUZM-379	Varanasi	-	0.00	-	3.30	0.71	5.11	1.11	4.21	MR
19	HUZM-509	Varanasi	4.00	3.00	MR	4.75	0.71	5.44	1.10	5.10	MR
20	HUZM-53	Varanasi	3.00	3.00	R	4.58	0.71	5.00	1.11	4.79	MR
21	HUZM-583-2	Varanasi	7.00	3.00	MS	5.29	0.71	4.44	1.10	4.87	MR
22	HUZM-705	Varanasi	3.00	3.00	R	6.65	0.71	4.74	1.11	5.70	MS
23	HUZM-72	Varanasi	3.00	5.00	R	5.16	0.71	3.31	1.10	4.24	MR
24	HUZM-79	Varanasi	3.00	1.00	R	5.90	0.71	3.39	1.11	4.65	MR
25	IAMI-14	Ambikapur	4.00	3.00	MR	4.90	0.71	3.37	1.10	4.14	MR
26	IAMI-16	Ambikapur	3.00	1.00	R	6.87	0.71	4.74	1.10	5.81	MS
27	IAMI-21	Ambikapur	3.00	0.00	R	4.62	0.71	4.65	1.11	4.64	MR
28	IAMI-31	Ambikapur	3.00	1.00	R	4.30	0.71	5.19	1.10	4.75	MR
29	IAMI-34	Ambikapur	3.00	0.00	R	4.05	0.71	3.69	1.10	3.87	MR
30	IAMI-48	Ambikapur	2.00	3.00	R	6.03	0.71	4.26	1.10	5.15	MR
31	IAMI-52	Ambikapur	4.00	3.00	MR	4.90	0.71	4.42	1.10	4.66	MR
32	IAMI-54	Ambikapur	3.00	1.00	R	4.80	0.71	5.00	1.11	4.90	MR
33	IAMI-57	Ambikapur	3.00	3.00	R	5.19	0.71	2.46	1.10	3.83	MR
34	IAMI-83	Ambikapur	3.00	0.00	R	4.62	0.71	3.52	1.11	4.07	MR
35	LM 13	-	2.00	1.00	R	4.34	0.71	2.46	1.10	3.40	MR
36	Local (Sus Check)	-	8.00	7.00	S	7.35	0.71	7.43	1.10	7.39	S
37	CM600	-	2.00	0.00	R	7.42	0.71	6.32	1.11	6.87	MS

*ALMO (Data rejected due to low disease pressure)

Table 52. Screening of inbreed lines

S. No	Inbred Lines	Contributing AICRP Centre	MLB (1-9) NWPZ						MLB (1-9) NEPZ		
			LUDH	SE	KARN	SE	Av Score	Reaction	DHOL	SE	Reaction
1	Di-109	Pantnagar	4.7	0.7	6.2	0.8	5.5	MS	5.1	1.1	MR
2	DI-203	Pantnagar	4.8	0.7	6.3	0.8	5.5	MS	5.1	1.1	MR
3	DI-208	Pantnagar	3.8	0.7	5.9	0.8	4.9	MR	5.8	1.1	MS
4	DI-211	Pantnagar	2.8	0.7	3.9	0.8	3.4	MR	4.9	1.1	MR
5	DI-219	Pantnagar	4.4	0.7	6.0	0.8	5.2	MS	6.3	1.1	MS
6	IAMI-14	Ambikapur	4.7	0.7	7.4	0.8	6.1	MS	7.0	1.1	MS
7	IAMI-16	Ambikapur	6.4	0.7	7.9	1.1	7.1	MS	5.7	1.1	MS
8	IAMI-21	Ambikapur	6.6	0.7	5.0	0.8	5.8	MS	6.0	1.1	MS
9	IAMI-31	Ambikapur	4.0	0.7	2.7	0.8	3.3	MR	6.6	1.6	MS
10	IAMI-34	Ambikapur	4.1	0.7	4.4	0.8	4.2	MR	5.1	1.1	MR
11	IAMI-48	Ambikapur	3.4	0.7	4.2	0.8	3.8	MR	8.2	1.1	S
12	IAMI-52	Ambikapur	6.6	0.7	6.6	0.8	6.6	MS	8.9	1.1	S
13	IAMI-54	Ambikapur	5.8	0.7	5.4	0.8	5.6	MS	7.8	1.1	S
14	IAMI-57	Ambikapur	2.3	0.7	5.0	0.8	3.6	MR	7.1	1.1	MS
15	IAMI-83	Ambikapur	3.0	0.7	2.6	0.8	2.8	R	4.4	1.1	MR
16	LMDR 3	Ludhiana	3.3	0.7	4.5	0.8	3.9	MR	6.7	1.1	MS
17	LMDR- 5	Ludhiana	4.2	0.7	3.7	0.8	3.9	MR	5.3	1.1	MS
18	LMDR-1	Ludhiana	3.2	0.7	2.1	0.8	2.7	R	6.1	1.1	MS
19	LMDR-2	Ludhiana	4.0	0.7	3.8	0.8	3.9	MR	4.7	1.1	MR
20	LMDR-4	Ludhiana	-	-	-	-	-	-	5.2	1.6	MS
21	LMDR-8	Ludhiana	2.8	0.7	4.0	1.1	3.4	MR	7.2	1.6	S
22	JCY 6	Ludhiana	3.1	0.7	1.9	0.8	2.5	R	2.7	1.1	R
23	JCY 10	Ludhiana	2.6	0.7	1.7	0.8	2.2	R	5.5	1.1	MS
24	JCY 45	Ludhiana	3.0	0.7	3.2	0.8	3.1	R	5.8	1.1	MS
25	JCYII-2	Ludhiana	2.6	0.7	1.9	0.8	2.3	R			R
26	PML-250	Ludhiana	3.2	0.7	3.8	0.8	3.5	MR	7.2	1.1	S
27	PML-41	Ludhiana	2.6	0.7	3.0	0.8	2.8	R	6.5	1.1	MS
28	PML-69	Ludhiana	-	-	-	-	-	-	-	-	-
29	PML-81	Ludhiana	3.1	0.7	3.1	0.8	3.1	R	7.4	1.6	S
30	PML-902	Ludhiana	3.0	0.7	5.1	0.8	4.0	MR	5.0	1.1	MR
31	CM 600 (Sus Check)	-	8.0	0.7	8.8	1.1	8.4	S	6.6	1.1	MS
32	LM 13	-	6.4	0.7	6.2	0.8	6.3	MS	3.1	1.1	R
33	Local (Sus Check)	-	6.0	0.7	8.5	0.8	7.3	S	7.1	1.6	MS

Table 53. Screening of inbreed lines

S. No	Inbred Lines	Contributing AICRP Centre	C Rot (1-9) NWPZ			C Rot (1-9) PZ		
			LUDH	SE	Reaction	HYDE	SE	Reaction
1	LMDR 3	Ludhiana	3.90	0.45	MR	4.79	0.73	MR
2	LMDR- 5	Ludhiana	4.00	0.32	MR	4.13	1.03	MR
3	LMDR-1	Ludhiana	4.23	0.32	MR	3.58	0.73	MR
4	LMDR-2	Ludhiana	3.80	0.32	MR	4.63	1.03	MR
5	LMDR-4	Ludhiana	-	-	-	-	-	-
6	LMDR-8	Ludhiana	4.21	0.47	MR	3.39	1.03	MR
7	JCY 6	Ludhiana	3.78	0.32	MR	3.46	0.73	MR
8	JCY 10	Ludhiana	3.92	0.32	MR	2.17	0.73	R
9	JCY 45	Ludhiana	4.28	0.32	MR	2.36	0.73	R
10	JCYII-2	Ludhiana	5.09	0.32	MR	2.64	1.03	R
11	PML-250	Ludhiana	4.09	0.32	MR	2.69	0.73	R
12	PML-41	Ludhiana	4.04	0.46	MR	1.79	0.73	R
13	PML-69	Ludhiana	-	-	-	3.71	0.73	MR
14	PML-81	Ludhiana	4.05	0.45	MR	3.05	0.73	R
15	PML-902	Ludhiana	3.90	0.45	MR	3.25	0.73	MR
16	CM 600 (Sus Check)	-	3.81	0.45	MR	5.87	0.75	MS
17	LM 13	-	3.60	0.32	MR	5.83	0.75	MS
18	Local (Sus Check)	-	4.41	0.33	MR	3.64	0.73	MR

Table 54. Screening of inbreed lines

S. No	Inbred Lines	Contributing AICRP Centre	BLSB (1-9) NWPZ							
			KARN	SE	LUDH	SE	PANT	SE	Av Score	Reaction
1	VSL-27	Almora	3.6	0.8	6.1	0.4	8.7	0.7	6.1	MS
2	V-440	Almora	2.9	0.8	6.8	0.4	8.8	0.5	6.1	MS
3	CM-141	Almora	4.1	1.2	6.8	0.4	9.0	0.5	6.7	MS
4	V-351	Almora	3.1	0.8	6.1	0.4	8.8	0.5	6.0	MS
5	LM 13	Almora	3.3	1.1	6.5	0.4	9.0	0.5	6.3	MS
6	Local (Sus Check)	Almora	6.1	0.8	6.3	0.4	7.3	0.5	6.5	MS
7	CM 600 (Sus Check)	Almora	6.9	0.8	6.6	0.4	9.0	0.5	7.6	S

Table 55. Screening of CIMMYT maize germplasm

S. No.	Stock Id	Entry Name	Pedigree	TLB (1-9) NHZ	
				LARN	Reaction
1	SN383-1	SNL173191	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-1-1-B	3.4	MR
2	SN383-10	SNL177	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-7-1-B	3.9	MR
3	SN383-100	SNL17110	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-3-1-B	2.4	R
4	SN383-101	SNL17112	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-4-1-B	5.3	MS
5	SN383-102	SNL17113	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-4-2-B	3.2	MR
6	SN383-103	SNL17114	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-5-1-B	5.2	MS
7	SN383-105	SNL17116	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-7-1-B	4.8	MR
8	SN383-106	SNL17117	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-10-1-B	5.0	MR
9	SN383-107	SNL17118	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-1-1-B	3.4	MR
10	SN383-109	SNL17120	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-5-1-B	5.6	MS
11	SN383-11	SNL178	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-2-1-B	4.7	MR
12	SN383-63	SNL1767	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-14-2-B	4.0	MR
13	SN383-112	SNL17123	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-6-2-B	5.1	MR
14	SN383-114	SNL17125	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-7-1-B	4.2	MR
15	SN383-115	SNL17126	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-7-2-B	2.8	R
16	SN383-117	SNL17128	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-2-7-4-B	5.6	MS
17	SN383-118	SNL17129	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-7-2-1-B	3.9	MR
18	SN383-119	SNL17130	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-7-3-1-B	4.7	MR
19	SN383-12	SNL179	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-4-1-B	3.0	R
20	SN383-121	SNL17132	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-7-5-1-B	5.0	MR
21	SN383-13	SNL1710	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-4-2-B	6.1	MS
22	SN383-14	SNL1712	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-6-1-B	5.1	MR
23	SN383-15	SNL1713	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-7-1-B	4.3	MR
24	SN383-16	SNL1714	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-9-1-B	5.1	MR
25	SN383-18	SNL1716	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-12-1-B	5.1	MR
26	SN383-19	SNL173194	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-3-13-1-B	4.4	MR
27	SN383-22	SNL1720	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-1-1-B	3.9	MR
28	SN383-23	SNL1722	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-2-1-B	3.4	MR
29	SN383-24	SNL1723	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-3-1-B	4.5	MR
30	SN383-25	SNL1724	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-3-2-B	4.9	MR
31	SN383-26	SNL1725	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-5-1-B	3.3	MR
32	SN383-27	SNL1726	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-6-1-B	4.6	MR
33	SN383-3	SNL173193	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-1-3-B	4.3	MR
34	SN383-30	SNL1729	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-7-2-B	4.0	MR
35	SN383-31	SNL1730	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-9-1-B	4.5	MR
36	SN383-33	SNL1732	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-4-11-2-B	3.8	MR
37	SN383-35	SNL1735	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-5-1-1-B	4.5	MR
38	SN383-36	SNL1736	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-5-2-1-B	5.5	MS

Contd.

Table 55. (Contd)

S. No.	Stock Id	Entry Name	Pedigree	TLB (1-9) NHZ	
				LARN	Reaction
39	SN383-37	SNL1737	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-5-3-1-B	4.0	MR
40	SN383-39	SNL1741	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-6-4-1-B	6.8	MS
41	SN383-4	SNL171	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-2-1-B	4.0	MR
42	SN383-40	SNL1742	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-6-5-1-B	5.5	MS
43	SN383-41	SNL1743	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-6-8-1-B	3.3	MR
44	SN383-42	SNL1746	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-1-1-B	4.5	MR
45	SN383-43	SNL1747	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-2-1-B	5.6	MS
46	SN383-45	SNL1749	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-2-3-B	2.9	R
47	SN383-47	SNL1751	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-4-1-B	3.5	MR
48	SN383-48	SNL1752	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-5-1-B	4.4	MR
49	SN383-5	SNL172	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-3-1-B	5.3	MS
50	SN383-50	SNL1754	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-6-1-B	2.7	R
51	SN383-51	SNL1755	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-6-2-B	4.1	MR
52	SN383-52	SNL1756	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-7-1-B	4.8	MR
53	SN383-53	SNL1757	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-8-1-B	3.8	MR
54	SN383-54	SNL1758	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-8-2-B	3.4	MR
55	SN383-55	SNL1759	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-9-1-B	3.4	MR
56	SN383-59	SNL1763	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-12-2-B	5.0	MR
57	SN383-6	SNL173	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-4-1-B	6.0	MS
58	SN383-60	SNL1764	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-13-1-B	2.4	R
59	SN383-62	SNL1766	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-14-1-B	3.0	R
60	SN383-65	SNL1770	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-15-3-B	5.0	MR
61	SN383-66	SNL1771	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-16-1-B	4.1	MR
62	SN383-68	SNL1773	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-17-1-B	5.7	MS
63	SN383-7	SNL174	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-4-2-B	4.1	MR
64	SN383-70	SNL1776	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-18-1-B	3.1	R
65	SN383-76	SNL1782	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-21-1-B	4.6	MR
66	SN383-77	SNL1783	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-21-2-B	3.4	MR
67	SN383-78	SNL1785	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-22-2-B	3.1	R
68	SN383-8	SNL175	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-5-1-B	3.0	R
69	SN383-80	SNL1787	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-22-4-B	4.1	MR
70	SN383-81	SNL1788	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-23-1-B	2.4	R
71	SN383-83	SNL1790	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-8-24-1-B	6.0	MS
72	SN383-85	SNL1793	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-9-1-1-B	4.5	MR
73	SN383-86	SNL1794	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-10-1-1-B	2.9	R
74	SN383-87	SNL1796	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-10-2-1-B	2.8	R
75	SN383-9	SNL176	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-1-6-1-B	5.2	MS
76	SN383-90	SNL1799	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-10-3-1-B	5.4	MS

Contd.

Table 55. (Contd)

S. No.	Stock Id	Entry Name	Pedigree	TLB (1-9) NHZ	
				LARN	Reaction
77	SN383-93	SNL17103	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-10-4-2-B	4.2	MR
78	SN383-94	SNL17104	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-10-5-1-B	5.0	MR
79	SN383-98	SNL17108	((CML474/CIMCALI8843/S9243-BB-#-B-5-1-BB-4-3-4)/CML474)/CML474-1//CML474-1)-1-11-2-1-B	4.2	MR
80	SN370-6	SNL172579	(CA00310/AMATLC0HS71-1-1-2-1-1-1-B*14/CML472)/CML472/CML472/CML472-1-6	2.0	R
81	SN370-9	SNL172582	(CA00310/AMATLC0HS71-1-1-2-1-1-1-B*14/CML472)/CML472/CML472/CML472-1-9	3.8	MR
82	SN370-12	SNL172585	(CA00310/AMATLC0HS71-1-1-2-1-1-1-B*14/CML472)/CML472/CML472/CML472-1-12	3.8	MR
83	SN370-15	SNL172588	(CA00310/AMATLC0HS71-1-1-2-1-1-1-B*14/CML472)/CML472/CML472/CML472-1-15	3.4	MR
84	SN370-18	SNL172591	(CA00310/AMATLC0HS71-1-1-2-1-1-1-B*14/CML472)/CML472/CML472/CML472-1-18	3.0	R
85	SN361-49	SNL172433	FMSRSynC0S2-15-2-B	3.8	MR
86	SN361-65	SNL172449	FMSRSynC0S2-80-2-B	4.2	MR
87	SN373-8	SNL172649	(FMSRSynC2S1)-2-3-2-1	3.4	MR
88	SN361-66	SNL172450	FMSRSynC0S2-104-2-B	5.0	MR
89	SN361-29	SNL172413	FMSRSynC0S2-126-1-B	3.8	MR
90	SN361-1	SNL172385	FMSRSynC0S2-4-1-B	3.0	R
91	SN361-58	SNL172442	FMSRSynC0S2-58-3-B	3.6	MR
92	SN361-22	SNL172406	FMSRSynC0S2-170-1-B	3.5	MR
93	SN361-68	SNL172452	FMSRSynC0S2-20-1-B	3.5	MR
94	SN361-3	SNL172387	FMSRSynC0S2-4-3-B	2.5	R
95	SN295-136	SNL143392	(CA14514-7-B-2-B/CA00106-9-B-2-B)-B-5-1-BB-B	4.5	MR
96	SN295-137	SNL142481	(CA14514-8-1-2-B/CA14514-9-4-2-B)-B-21-1-BB-B	2.2	R
97	SN320-4	VL105611	CML470-B*7-B-B-B	7.8	S
98	SN316-3	VL105612	CML474-B	3.1	R
99	SN316-4	VL1012756	CML472-B	4.7	MR
100	SN316-1	VL1055	CML451-B	2.6	R
	Mean			4.1	
	LSD (0.05)			3.0	
	MSe			2.2	
	CV			35.7	
	p			0.480	
	p			ns	
	Min			2.0	
	Max			7.8	
	Phenotypic Variance			1.1	
	Error Variance			1.1	
	Genotypic Variance			0.0	
	Heritability			0.03	

Table 56. Screening of CIMMYT maize germplasm

S. No.	Stock Id	Entry Name	Pedigree	MLB (1-9) NWPZ		C Rot (1-9) NWPZ		FSR (1-9) CWZ	
				LUDH	Reaction	LUDH	Reaction	UDAI	Reaction
1	SN373-2	SNL172643	(FMSRSynC2S1)-2-2-1-2	5.0	MR	3.1	R	6.0	MS
2	SN373-3	SNL172644	(FMSRSynC2S1)-2-2-1-3	2.5	R	2.7	R	3.2	MR
3	SN398-65	SNL172411	FMSRSynC0S2-110-2-B-B	5.5	MS	3.3	MR	5.2	MS
4	SN398-20	SNL18979	FMSRSynC0S2-116-1-B-B1	2.5	R	4.0	MR	4.5	MR
5	SN398-21	SNL18980	FMSRSynC0S2-116-1-B-B2	2.5	R	3.8	MR	3.4	MR
6	SN398-22	SNL18981	FMSRSynC0S2-116-1-B-B3	4.0	MR	4.3	MR	5.0	MR
7	SN398-24	SNL172392	FMSRSynC0S2-116-2-B-B	4.5	MR	3.3	MR	2.4	R
8	SN398-55	SNL18982	FMSRSynC0S2-12-1-B-B1	3.5	MR	4.8	MR	4.9	MR
9	SN361-29	SNL172413	FMSRSynC0S2-126-1-B	3.5	MR	5.1	MR	1.3	R
10	SN398-2	SNL172395	FMSRSynC0S2-133-1-B-B	4.0	MR	3.5	MR	3.2	MR
11	SN398-44	SNL172396	FMSRSynC0S2-141-1-B-B	3.0	R	3.2	MR	2.8	R
12	SN361-48	SNL172432	FMSRSynC0S2-15-1-B	4.5	MR	2.9	R	4.4	MR
13	SN398-32	SNL172433	FMSRSynC0S2-15-2-B-B	5.0	MR	4.4	MR	2.9	R
14	SN361-51	SNL172435	FMSRSynC0S2-16-2-B	2.5	R	4.4	MR	5.6	MS
15	SN398-36	SNL172419	FMSRSynC0S2-163-1-B-B	7.5	S	3.4	MR	4.5	MR
16	SN398-59	SNL172421	FMSRSynC0S2-163-3-B-B	7.5	S	3.5	MR	5.3	MS
17	SN361-38	SNL172422	FMSRSynC0S2-167-2-B	3.0	R	3.2	MR	4.5	MR
18	SN398-41	SNL172406	FMSRSynC0S2-170-1-B-B	2.5	R	2.3	R	2.9	R
19	SN398-29	SNL172423	FMSRSynC0S2-174-1-B-B	5.5	MS	4.9	MR	2.6	R
20	SN398-58	SNL172426	FMSRSynC0S2-178-2-B-B	5.0	MR	3.0	R	4.5	MR
21	SN361-68	SNL172452	FMSRSynC0S2-20-1-B	2.0	R	2.6	R	3.9	MR
22	SN361-15	SNL172399	FMSRSynC0S2-38-1-B	6.5	MS	3.4	MR	2.6	R
23	SN398-43	SNL172400	FMSRSynC0S2-38-2-B-B	4.5	MR	2.4	R	2.0	R
24	SN398-30	SNL172385	FMSRSynC0S2-4-1-B-B	5.0	MR	2.9	R	5.0	MR
25	SN398-3	SNL172438	FMSRSynC0S2-53-4-B-B	2.5	R	2.5	R	3.4	MR
26	SN361-58	SNL172442	FMSRSynC0S2-58-3-B	5.5	MS	3.7	MR	3.6	MR
27	SN398-64	SNL172405	FMSRSynC0S2-64-3-B-B	5.5	MS	3.3	MR	4.0	MR
28	SN398-27	SNL172389	FMSRSynC0S2-67-1-B-B	4.5	MR	2.5	R	5.1	MR
29	SN398-71	SNL172445	FMSRSynC0S2-72-3-B-B	3.0	R	3.8	MR	4.8	MR
30	SN398-54	SNL172446	FMSRSynC0S2-72-4-B-B	3.0	R	3.1	R	3.4	MR
31	SN398-53	SNL172447	FMSRSynC0S2-72-5-B-B	6.0	MS	4.0	MR	4.0	MR
32	SN398-38	SNL172449	FMSRSynC0S2-80-2-B-B	6.5	MS	4.4	MR	1.8	R
33	SN396-1	SNL172467	(FMSRSynC2S2)-4-1-1-1	4.5	MR	3.8	MR	4.1	MR
34	SN396-2	SNL172470	(FMSRSynC2S2)-5-3-1-1	6.5	MS	3.9	MR	5.4	MS
35	SN396-3	SNL172471	(FMSRSynC2S2)-6-1-1-1	6.0	MS	3.0	R	3.3	MR
36	SN396-4	SNL172472	(FMSRSynC2S2)-6-1-2-1	4.5	MR	4.7	MR	2.6	R
37	SN396-5	SNL172473	(FMSRSynC2S2)-13-1-1-1	2.0	R	6.0	MS	1.9	R
38	SN396-6	SNL18959	(FMSRSynC2S2)-13-1-1-2	3.0	R	3.6	MR	3.4	MR
39	SN396-7	SNL18960	(FMSRSynC2S2)-13-2-1-1	2.5	R	3.4	MR	4.5	MR
40	SN396-8	SNL172475	(FMSRSynC2S2)-13-3-1-1	3.0	R	3.2	MR	2.4	R
41	SN396-9	SNL172476	(FMSRSynC2S2)-16-1-1-1	3.5	MR	3.4	MR	3.0	R
42	SN396-10	SNL18961	(FMSRSynC2S2)-16-1-1-2	4.5	MR	3.6	MR	2.7	R
43	SN396-11	SNL172477	(FMSRSynC2S2)-17-2-1-1	6.5	MS	4.6	MR	4.8	MR
44	SN396-12	SNL172479	(FMSRSynC2S2)-17-2-3-1	5.0	MR	4.3	MR	4.2	MR
45	SN396-13	SNL172481	(FMSRSynC2S2)-17-3-1-1	7.0	MS	4.0	MR	3.3	MR
46	SN396-14	SNL172482	(FMSRSynC2S2)-17-3-2-1	6.0	MS	2.7	R	4.9	MR
47	SN396-15	SNL172484	(FMSRSynC2S2)-18-3-1-1	4.5	MR	4.3	MR	2.0	R
48	SN396-16	SNL172485	(FMSRSynC2S2)-25-1-1-1	3.5	MR	3.0	R	3.8	MR
49	SN396-17	SNL172486	(FMSRSynC2S2)-25-1-2-1	3.0	R	3.9	MR	5.9	MS
50	SN396-18	SNL172487	(FMSRSynC2S2)-25-2-1-1	5.0	MR	2.8	R	3.7	MR

Contd.

Table 56. (Contd.)

S. No.	Stock Id	Entry Name	Pedigree	MLB (1-9) NWPZ		C Rot (1-9) NWPZ		FSR (1-9) CWZ	
				LUDH	Reaction	LUDH	Reaction	UDAI	Reaction
51	SN396-19	SNL18962	(FMSRSynC2S2)-25-2-1-2	5.0	MR	4.7	MR	3.7	MR
52	SN396-21	SNL172489	(FMSRSynC2S2)-26-1-1-1	3.0	R	3.9	MR	4.9	MR
53	SN396-22	SNL172491	(FMSRSynC2S2)-27-1-2-1	5.1	MR	2.3	R	4.9	MR
54	SN396-23	SNL172492	(FMSRSynC2S2)-27-1-3-1	6.5	MS	4.1	MR	4.4	MR
55	SN396-25	SNL172496	(FMSRSynC2S2)-27-4-2-1	6.0	MS	3.3	MR	1.9	R
56	SN396-26	SNL172497	(FMSRSynC2S2)-30-1-1-1	3.0	R	4.0	MR	3.5	MR
57	SN396-27	SNL172498	(FMSRSynC2S2)-30-1-2-1	2.5	R	3.6	MR	2.4	R
58	SN396-28	SNL18963	(FMSRSynC2S2)-30-1-2-2	4.0	MR	3.6	MR	2.7	R
59	SN396-29	SNL172499	(FMSRSynC2S2)-30-2-1-1	3.0	R	2.8	R	3.6	MR
60	SN396-30	SNL172500	(FMSRSynC2S2)-31-2-1-1	2.0	R	4.3	MR	4.4	MR
61	SN396-31	SNL172501	(FMSRSynC2S2)-31-3-1-1	2.0	R	3.6	MR	4.0	MR
62	SN396-32	SNL172504	(FMSRSynC2S2)-32-2-1-1	2.0	R	3.3	MR	2.7	R
63	SN396-33	SNL172505	(FMSRSynC2S2)-32-2-2-1	2.5	R	2.8	R	4.9	MR
64	SN396-38	SNL172514	(FMSRSynC2S2)-34-4-1-1	5.0	MR	3.3	MR	3.1	R
65	SN396-42	SNL172518	(FMSRSynC2S2)-37-3-1-1	4.0	MR	3.3	MR	4.9	MR
66	SN396-43	SNL18964	(FMSRSynC2S2)-37-3-1-2	4.5	MR	3.6	MR	6.9	MS
67	SN396-44	SNL172519	(FMSRSynC2S2)-40-1-1-1	4.0	MR	5.4	MS	7.4	S
68	SN396-45	SNL172520	(FMSRSynC2S2)-40-2-1-1	4.5	MR	3.3	MR	4.5	MR
69	SN396-46	SNL172521	(FMSRSynC2S2)-43-1-1-1	4.5	MR	3.1	R	4.8	MR
70	SN396-47	SNL18965	(FMSRSynC2S2)-43-1-1-2	3.0	R	2.7	R	2.6	R
71	SN396-48	SNL172523	(FMSRSynC2S2)-43-2-1-1	2.5	R	3.4	MR	4.4	MR
72	SN396-50	SNL172525	(FMSRSynC2S2)-43-3-2-1	4.0	MR	4.0	MR	5.2	MS
73	SN396-51	SNL18966	(FMSRSynC2S2)-43-3-2-2	3.0	R	3.6	MR	2.3	R
74	SN396-52	SNL172526	(FMSRSynC2S2)-46-1-1-1	3.5	MR	2.9	R	4.4	MR
75	SN396-53	SNL172527	(FMSRSynC2S2)-46-5-1-1	5.5	MS	3.6	MR	4.1	MR
76	SN396-54	SNL18967	(FMSRSynC2S2)-46-5-1-2	2.5	R	3.8	MR	5.1	MR
77	SN396-56	SNL172530	(FMSRSynC2S2)-52-1-1-1	4.5	MR	3.1	R	2.7	R
78	SN396-57	SNL172531	(FMSRSynC2S2)-52-1-2-1	6.5	MS	3.4	MR	4.9	MR
79	SN396-58	SNL18968	(FMSRSynC2S2)-52-1-2-2	6.0	MS	3.0	R	3.7	MR
80	SN396-62	SNL172537	(FMSRSynC2S2)-53-3-1-1	3.0	R	3.7	MR	5.4	MS
81	SN396-63	SNL172538	(FMSRSynC2S2)-54-1-1-1	5.0	MR	4.4	MR	3.2	MR
82	SN396-64	SNL172541	(FMSRSynC2S2)-56-1-2-1	7.0	MS	3.3	MR	2.9	R
83	SN396-65	SNL172542	(FMSRSynC2S2)-56-1-3-1	7.0	MS	4.9	MR	1.9	R
84	SN396-66	SNL172545	(FMSRSynC2S2)-57-2-2-1	4.0	MR	3.4	MR	2.5	R
85	SN398-9	SNL172443	FMSRSynC0S2-66-3-B-B	6.0	MS	3.7	MR	2.8	R
86	SN398-10	SNL172450	FMSRSynC0S2-104-2-B-B	4.5	MR	3.2	MR	2.1	R
87	SN398-17	SNL172424	FMSRSynC0S2-174-2-B-B	2.0	R	3.6	MR	3.9	MR
88	SN398-25	SNL172417	FMSRSynC0S2-140-1-B-B	4.5	MR	2.8	R	7.1	MS
89	SN398-30	SNL172385	FMSRSynC0S2-4-1-B-B	5.0	MR	2.3	R	3.5	MR
90	SN398-36	SNL172419	FMSRSynC0S2-163-1-B-B	5.0	MR	3.5	MR	2.4	R
91	SN398-15	SNL172453	FMSRSynC0S2-14-1-B-B	4.0	MR	2.8	R	4.3	MR
92	SN398-34	SNL172434	FMSRSynC0S2-16-1-B-B	3.1	R	3.0	R	3.4	MR
93	SN398-11	SNL18977	FMSRSynC0S2-16-2-B-B1	5.0	MR	4.4	MR	4.3	MR
94	SN398-12	SNL18978	FMSRSynC0S2-16-2-B-B2	3.5	MR	3.3	MR	1.4	R
95	SN398-23	SNL172416	FMSRSynC0S2-134-3-B-B	4.5	MR	5.3	MS	5.0	MR
96	SN398-14	SNL172437	FMSRSynC0S2-53-3-B-B	5.0	MR	4.7	MR	7.4	S
97	SN398-26	SNL172387	FMSRSynC0S2-4-3-B-B	4.5	MR	3.0	R	3.5	MR
98	SN398-35	SNL172430	FMSRSynC0S2-10-1-B-B	3.0	R	3.9	MR	4.0	MR
99	SN316-3	VL105612	CML474-B	3.5	MR	3.5	MR	5.8	MS
100	CML451	CML451	CML451	3.5	MR	3.0	R	2.4	R

Contd.

Table 56. (Contd.)

S. No.	Stock Id	Entry Name	Pedigree	MLB (1-9) NWPZ		C Rot (1-9) NWPZ		FSR (1-9) CWZ	
				LUDH	Reaction	LUDH	Reaction	UDAI	Reaction
	Mean			4.3		3.6		3.8	
	LSD (0.05)			1.0		1.2		4.3	
	MSe			0.2		0.4		4.8	
	CV			11.5		17.1		56.8	
	p			0.000		0.000		0.955	
	p			***		***		ns	
	Min			2.0		2.3		1.3	
	Max			7.5		6.0		7.4	
	Phenotypic Variance			2.0		0.5		1.7	
	Error Variance			0.1		0.2		2.4	
	Genotypic Variance			1.9		0.3		-0.7	
	Heritability			0.9		0.7		-0.4	

Table 57. Screening of CIMMYT maize germplasm

S. No.	Stock Id	Entry Name	Pedigree	BLSB (1-9) NWPZ	
				PANT	Reaction
1	SN280-192	VL1016197	CA00314-2-B-3-B*8-B	7.5	S
2	SN280-91	VL107389	(AC7643/AC7729/TZSRW)-1-75-#-B*4-1-5-6-B*4-B1-B*6-B-B	8.0	S
3	SN280-107	VL1016211	POB33c4F26-2-1-1-B*14-B-B	8.5	S
4	SN280-57	VL1030	CA03139-BBB-2-B*7-B-B	9.0	S
5	SN212-12	SNL1411637	CLQRCYQ63-B*6-B	9.0	S
6	SN280-105	VL108880	EW-DMR-G-C7-HS-(SIB)-9-B-1-B*7-B-B	9.0	S
7	SN279-33	VL1253	CML452=Ac8328BNC6-166-1-1-1-B*15-B-B	9.0	S
8	SN279-82	VL058725	CML312-1-B*7-B	8.5	S
9	SN280-127	VL109545	[CL-G2501xCML170]-B-2-3-2-BB-3-B*8-B-B	9.0	S
10	SN279-60	VL109293	(PHY11-3-1-3-1-1-2-B*5/CML161)-B-3-2-BB-1-B*5-B-B	9.0	S
11	SN280-165	VL108726	CA03147-B*7-B-B	9.0	S
12	SN388-12	VL0512421	CML227-B*13	7.0	MS
13	SN278-31	VL1018393	CML164-B*8-B-B	9.0	S
14	SN280-154	VL1061	Messina-03445(S2-Syn)-F1Bulk-22-1-2-B*10-B-B	8.5	S
15	SN280-13	VL105555	SW5-10-B*5-2-B*8-B-B	9.0	S
16	SN280-23	VL109287	(CML161xCLQ-RCYQ49=(CML176/CL-G2501)-B-55-2-1-B)-B-19-1-	7.5	S
17	SN389-9	VL108305	[CML327xCML287]F2-32-1-B*5-1-B*11	8.0	S
18	SN388-7	VL0511321	[TS6C1F238-1-3-3-1-2-#-BB/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-10-7(I)-X-X-X-2-BB-1]-1-1-2-1-1-B*5-1-B-B2-B*9	6.5	MS
19	SN280-46	VL109451	(CLQ-6601xCL-02843)-B-26-1-1-BB-1-B*7-B-B	8.5	S
20	SN299-31	VL1030	CA00102/CA00106-B-12-2-B*7-B-B-B	8.0	S
21	SN280-55	VL1010090	CA00102-B-1-B-2-B*6-B-B	6.5	MS
22	SN280-59	SNL1411634	CA14709-4-7-5-1-B*6-B-B	7.5	S
23	SN280-184	VL1017777	G33QC25MH103-31-5-1-B*6-1-B*7-B	9.0	S
24	SN280-185	VL1232	KSX3601F2-4-4-3-2-1-B*10-B	9.0	S
25	SN280-74	VL1240	SO4YLWL-96-B-1-1-B-1-B*7-B-B	9.0	S
26	SN280-84	VL105606	(CML427/CML474)-F2-19-1-B*8-B-B	9.0	S
27	SN280-182	VL05616	[SC/CML204//FR812]-X-30-2-3-2-1-B*4-1-B*8-B	9.0	S
28	SN299-36	VL1018673	CML486=P45c8-76-1-2-1-2-B*13-B-B-B	5.5	MS
29	SN299-33	VL121096	NEI9008-B*6-B-B-B	8.5	S
30	SN299-35	VL1043	CLQRCYQ59-B*4-B-B-B	4.0	MR
31	SN299-41	VL1047	CLRCY030-B*4-B-B-B	8.5	S
32	SN299-40	VL108526	CA00102/CA00106-B-23-3-B*5-B-B-B	6.5	MS
33	SN279-21	VL1012847	POP351C0-HS274-1-1-B*4-2-B*6-B-B	9.0	S
34	SN287-9	ZL121279	(NEI9008-B/BLSB-R(China)-BB-3-B-B	8.5	S
35	SN299-13	SNL142337	(NEI9008-B/BLSB-R(China)-BB-7-B2-B-B-B-B	6.0	MS
36	SN299-4	SNL154021	(NEI9008-B/BLSB-R(China)-BB-9-B-B-B	5.0	MR
37	SN299-14	SNL142339	(NEI9008-B/BLSB-R(China)-BB-9-B1-B-B-B	5.5	MS
38	SN299-10	SNL142800	(NEI9202-B/BLSB-R(China)-BB-10-B-B-B	7.5	S
39	SN287-8	SNL142371	(NEI9202-B/BLSB-R(China)-BB-15-B-B	6.0	MS
40	SN287-14	SNL142801	(NEI9202-B/BLSB-R(China)-BB-4-B-B	7.5	S
41	SN299-21	SNL142359	(NEI9202-B/BLSB-R(China)-BB-5-B-B-B-B-B	8.0	S
42	SN287-12	SNL142363	(NEI9202-B/BLSB-R(China)-BB-7-B-B	7.5	S
43	SN278-30	VL1251	WLS-F36-4-2-2-B-1-B*7-B-B	9.0	S
44	SN299-15	SNL142344	(NEI9008-B/BLSB-R(China)-BB-12-B1-B-B-B-B	8.0	S
45	SN299-11	SNL142345	(NEI9008-B/BLSB-R(China)-BB-12-B2-B-B-B-B	6.5	MS
46	SN208-45	SNL142355	(NEI9008-B/BLSB-R(China)-BB-19-B-B-B	8.9	S
47	SN299-7	SNL142327	(NEI411011-B/BLSB-R(China)-BB-13-B2-B-B1-B-B	9.0	S
48	SN299-2	ZL125247	(NEI412004-B/BLSB-R(China))-BB-12-B-B-B-B	7.0	MS
49	SN299-17	SNL142351	(NEI9008-B/BLSB-R(China)-BB-16-B1-B2-B-B-B	7.9	S

Contd.

Table 57. (Contd.)

S. No.	Stock Id	Entry Name	Pedigree	BLSB (1-9) NWPZ	
				PANT	Reaction
50	SN299-28	SNL142381	(NEI9008-B/BLSB-R(China)-BB-23-B-B-B	5.0	MR
51	SN299-27	SNL142370	(NEI9202-B/BLSB-R(China)-BB-14-B-B-B-B-B	7.5	S
52	SN299-29	SNL142384	(NEI9202-B/BLSB-R(China)-BB-20-B-B-B-B	8.5	S
53	SN299-22	SNL142360	(NEI9202-B/BLSB-R(China)-BB-6-B1-B1-B-B-B	6.5	MS
54	SN299-23	SNL142364	(NEI9202-B/BLSB-R(China)-BB-8-B1-B1-B-B-B	9.0	S
55	SN299-26	SNL142367	(NEI9202-B/BLSB-R(China)-BB-9-B-B-B-B-B	9.0	S
56	SN299-38	VL1010090	CA00102/CA00106-B-11-1-B*7-B-B-B	9.0	S
57	SN299-39	VL108497	CA00102/CA00106-B-11-2-B*5-B-B-B	7.0	MS
58	SN278-77	VL108725	CA03109/P31C4S5B-85-##-3-B*16-B-B	6.5	MS
59	SN278-87	VL108501	CA14514-6-B-1-B*7-B-B	7.5	S
60	SN287-70	VL108806	CL02457-4-B-1-BBB-B-B-B	6.5	MS
61	SN316-1	VL1055	CML451-B	9.0	S
62	SN316-7	VL1018419	CML193-B	9.0	S
63	SN316-5	VL1036	CL02450-B	8.5	S
64	SN298-12	VL1052	CML161-B*8-B-B-B	9.0	S
65	SN316-6	VL1053	CML165-B	9.0	S
66	SN287-71	VL1012903	CML465-B*5-B-B	8.0	S
67	SN279-26	VL1018527	CML317-2-B*6-B-B	7.5	S
68	SN279-81	VL1012763	(CTS011004/EY-DMR-G-C5-S2-BB-3-1-B*4/Pop147)F2#89-3-2-B-1-B*13-B	7.5	S
69	SN299-32	VL1016178	CA00102/CA00106-B-13-1-B*7-B-B-B	7.0	MS
70	SN299-18	VL1016178	POB45c9F22-18-3-1-B*4-1-B*8-B-B-B	6.5	MS
71	SN280-206	VL1033	CA14514-8-3-2-B*6-B	9.0	S
72	SN280-19	VL108727	CA14517/P145C4MH7-1-B-1-1-B-1-1-B*16-B-B	9.0	S
73	SN299-30	VL109474	(CLQ-RCYQ46=(CML150xCL-03618)-B-17-2-2-BxCL-02450)-B-6-3-BB-1-B*8-B-B-B	8.5	S
74	SN278-16	VL108496	Saracura-11-3-2-2-1-B*11-B-B	9.0	S
75	SN398-72	SNL172448	FMSRSynC0S2-80-1-B-B	9.0	S
76	SN398-54	SNL172446	FMSRSynC0S2-72-4-B-B	9.0	S
77	SN398-46	SNL172390	FMSRSynC0S2-67-2-B-B	9.1	S
78	SN398-30	SNL172385	FMSRSynC0S2-4-1-B-B	8.5	S
79	SN398-19	SNL172399	FMSRSynC0S2-38-1-B-B	9.0	S
80	SN398-40	SNL172452	FMSRSynC0S2-20-1-B-B	5.5	MS
81	SN398-58	SNL172426	FMSRSynC0S2-178-2-B-B	8.5	S
82	SN398-41	SNL172406	FMSRSynC0S2-170-1-B-B	9.0	S
83	SN398-13	SNL172422	FMSRSynC0S2-167-2-B-B	6.5	MS
84	SN398-32	SNL172433	FMSRSynC0S2-15-2-B-B	9.0	S
85	SN398-28	SNL172432	FMSRSynC0S2-15-1-B-B	8.5	S
86	SN398-8	SNL172418	FMSRSynC0S2-151-1-B-B	9.0	S
87	SN398-42	SNL172455	FMSRSynC0S2-14-4-B-B	9.1	S
88	SN398-69	SNL18987	FMSRSynC0S2-14-2-B-B2	9.1	S
89	SN398-68	SNL18986	FMSRSynC0S2-14-2-B-B1	9.0	S
90	SN398-16	SNL172413	FMSRSynC0S2-126-1-B-B	9.0	S
91	SN398-65	SNL172411	FMSRSynC0S2-110-2-B-B	9.0	S
92	SN398-33	SNL172410	FMSRSynC0S2-110-1-B-B	8.0	S
93	SN373-5	SNL172646	(FMSRSynC2S1)-2-2-2-1	7.0	MS
94	SN396-18	SNL172487	(FMSRSynC2S2)-25-2-1-1	8.5	S
95	SN396-19	SNL18962	(FMSRSynC2S2)-25-2-1-2	9.0	S
96	SN396-29	SNL172499	(FMSRSynC2S2)-30-2-1-1	8.5	S
97	SN396-1	SNL172467	(FMSRSynC2S2)-4-1-1-1	7.0	MS

Contd.

Table 57. (Contd.)

S. No.	Stock Id	Entry Name	Pedigree	BLSB (1-9) NWPZ	
				PANT	Reaction
98	SN396-7	SNL18960	(FMSRSynC2S2)-13-2-1-1	8.5	S
99	SN396-12	SNL172479	(FMSRSynC2S2)-17-2-3-1	7.5	S
100	SN396-16	SNL172485	(FMSRSynC2S2)-25-1-1-1	7.0	MS
	Mean			8.0	
	LSD (0.05)			2.8	
	MSe			1.8	
	CV			17.0	
	p			0.030	
	p			*	
	Min			4.0	
	Max			9.1	
	Phenotypic Variance			1.4	
	Error Variance			0.9	
	Genotypic Variance			0.5	
	Heritability			0.3	

Table 58. Assessment of avoidable yield losses due to charcoal rot at Coimbatore.

Replication	Treatment	Disease Score	Yield (q/ha)	Yield loss (%)
R1	Protected	1.2	48.43	14.64
	Unprotected	2.7	41.34	
R2	Protected	1	52.02	4.31
	Unprotected	2.9	49.78	
R3	Protected	1	58.52	23.51
	Unprotected	2.9	44.76	
R4	Protected	1.4	48.45	6.66
	Unprotected	1.8	45.22	
R5	Protected	1	58.73	12.08
	Unprotected	2.2	51.63	
R6	Protected	2.1	49.75	13.66
	Unprotected	3.2	42.95	
R7	Protected	1.1	50.08	9.60
	Unprotected	2.7	45.27	
R8	Protected	1	58.07	17.21
	Unprotected	1.9	48.08	
R9	Protected	1.2	58.52	10.78
	Unprotected	1.8	52.21	
Mean				
Disease control				40.00 %
Avoidable yield losses				12.49 %

Table 59. Assessment of avoidable yield losses due to MLB at Dhaulakuan.

Replication	Treatment	Disease score	PDI	Yield (q/ha)	Yield loss (%)
R1	Protected	2	24	32.81	20.63
	Unprotected	3	40.5	26.04	
R2	Protected	2	22.22	28.65	29.11
	Unprotected	4	33.33	20.31	
R3	Protected	2.5	22.22	26.04	26.00
	Unprotected	3.5	44.44	19.27	
R4	Protected	3	27.78	30.21	25.85
	Unprotected	5	38.89	22.40	
R5	Protected	3	33.33	28.13	16.67
	Unprotected	4	55.56	23.44	
R6	Protected	2	33.33	26.04	29.99
	Unprotected	4.5	44.44	18.23	
R7	Protected	1.5	22.22	27.60	13.19
	Unprotected	3.5	50.00	23.96	
R8	Protected	2.5	16.67	33.85	15.36
	Unprotected	4	38.89	28.65	
R9	Protected	3	27.78	29.90	37.67
	Unprotected	5	44.44	21.88	
R10	Protected	2.5	33.33	30.42	26.82
	Unprotected	4	55.56	18.96	
Mean	Protected	2.4	26.67(30.71)	22.31	24.13
	Unprotected	4.1	45.0(41.86)	29.37	
Disease control (%)			68.72	31.64	
Avoidable yield losses (%)					24.13
CD (5%)			2.56	1.56	
CV (%)			6.97	6.12	

* Transformed values in parenthesis Variety - Early Composite

Table 60. Assessment of avoidable yield loss due to TLB at Dharwad

Replication	Treatment	Disease Score	PDI	Yield (kg/ha)	Yield loss (%)
R1	Protected	3.6	36.85	6286.50	18.94
	Unprotected	8.0	82.66	5095.35	
R2	Protected	4.0	37.33	6366.80	19.83
	Unprotected	8.0	83.50	5106.75	
R3	Protected	3.5	32.66	6540.55	17.20
	Unprotected	7.5	78.45	5415.66	
R4	Protected	3.6	34.33	6624.86	17.33
	Unprotected	7.0	78.56	5476.42	
R5	Protected	4.0	44.75	6386.73	19.73
	Unprotected	8.0	81.60	5126.50	
R6	Protected	4.0	42.70	6485.24	19.25
	Unprotected	8.0	84.66	5236.58	
R7	Protected	3.5	33.74	6413.66	22.56
	Unprotected	8.0	85.80	4966.12	
R8	Protected	3.5	33.66	6434.83	17.50
	Unprotected	7.5	81.25	5308.66	
R9	Protected	4.0	38.80	6395.34	19.02
	Unprotected	8.0	81.33	5178.50	
Mean Avoidable yield loss (%)					19.04

The Protected plots were sprayed with Tebuconazole 250EC @ 0.1% at 35 and 45 days after sowing. The avoidable yield loss due to TLB was estimated to the tune of 19.04 per cent

Table 61. Assessment of avoidable yield losses due to curvularia leaf spot at Godhra.

Rep.	Treatment	PDI (%)			Yield (q/ha)			Yield loss (%)
		Kharif 2017	*Kharif* 2018	Pooled	*Kharif* 2017	*Kharif* 2018	Pooled	
R_1	Protected	22.3	33.33	27.82	49	45.02	47.01	13.47
	Unprotected	33.33	44.44	38.89	42.67	38.69	40.68	
R_2	Protected	33.8	49.07	41.44	48.33	44.35	46.34	16.68
	Unprotected	40.52	55.55	48.04	40.6	36.62	38.61	
R_3	Protected	22.22	35.36	28.79	47.67	43.69	45.68	16.42
	Unprotected	44.44	55.25	49.85	40.17	36.19	38.18	
R_4	Protected	22.22	33.85	28.04	48.5	44.52	46.51	13.12
	Unprotected	45.56	56.28	50.92	42.4	38.42	40.41	
R_5	Protected	27.78	50	38.89	49.5	45.52	47.51	14.38
	Unprotected	50	56.46	53.23	42.67	38.69	40.68	
R_6	Protected	33.33	46.98	40.16	47	43.02	45.01	13.33
	Unprotected	55.55	56.32	55.94	41	37.02	39.01	
R_7	Protected	22.22	35.33	28.78	46.67	42.69	44.68	17.6
	Unprotected	45.56	55.55	50.56	38.83	34.85	36.84	
R_8	Protected	37.78	47.78	42.78	45.5	41.52	43.51	11.49
	Unprotected	50	56.62	53.31	40.5	36.52	38.51	
R_9	Protected	33.8	46.23	40.02	48	44.02	46.01	18.84
	Unprotected	45.56	55.55	50.56	39.33	35.35	37.34	
Mean	Protected	28.38 (32.79)	41.99 (45.97)	35.19 (38.59)	47.79	43.81	45.8	15.04
	Unprotected	45.61 (49.55)	54.66 (57.68)	50.14 (55.36)	40.9	36.92	38.91	
Disease control (%)								42.48
Avoidable yield losses (%)								15.04
CD (%)								8.26
CV (%)								10.65

Note: Figures in parenthesis are angular transformed values

Results: The protected plots were sprayed with Azoxystrobin @ 0.5% at 35 and 45 days after sowing. The avoidable yield loss due to curvularia leaf spot (CLS) was estimated to 15.04 per cent (Table).

Table 62. Assessment of avoidable yield losses due to MLB at Kalyani.

Replication	Treatment	Yield (kg/ha) 2017	Yield (kg/ha) 2018	Average yield	Avoidable Yield loss (%)
R1	Protected	7937.33	6109.00	7023.17	27.05
	Unprotected	5365.33	4882.00	5123.67	
R2	Protected	4444.00	8536.00	6490.00	20.51
	Unprotected	3312.00	7006.00	5159.00	
R3	Protected	5118.00	9124.00	7121.00	23.27
	Unprotected	3703.00	7225.00	5464.00	
R4	Protected	7218.00	8587.00	7902.50	16.61
	Unprotected	5864.00	7315.00	6589.50	
R5	Protected	7433.33	9803.00	8618.17	19.19
	Unprotected	6268.00	7660.00	6964.00	
R6	Protected	7114.66	8402.00	7758.33	20.13
	Unprotected	5463.33	6930.00	6196.67	
R7	Protected	6256.66	8536.00	7396.33	17.20
	Unprotected	5158.66	7090.00	6124.33	
R8	Protected	6884.66	9707.00	8295.83	18.55
	Unprotected	5725.33	7788.00	6756.67	
R9	Protected	6708.66	7865.00	7286.83	25.53
	Unprotected	5326.66	5527.00	5426.83	
Mean avoidable loss (%)					**20.89**

Table 63. Assessment of avoidable yield losses due to SDM at Mandya.

Rep	Treatments	2016			2017			2018			Three years pool data (2016, 2017 and 2018)		
		SDM (%)	Yield (q/ha)	Yield loss (%)	SDM (%)	Yield (q/ha)	Yield loss (%)	SDM (%)	Yield (q/ha)	Yield loss (%)	SDM (%)	Yield (q/ha)	Yield loss (%)
R1	Protected	5.45	47.78	86.4	7.2	42.28	86.9	8.9	42.1	88	7.18	44.05	87.4
	Un protected	79.82	6.5		81.3	5.2		82	5		81.04	5.57	
R2	Protected	6.4	46.24	88.1	10.2	41.38	89.5	10.9	41.5	90.1	9.17	43.04	89.2
	Un protected	81.12	5.5		92.1	4.33		86.4	4.1		86.54	4.64	
R3	Protected	4.83	48.21	87.1	8.9	42.13	87.8	16.7	40.3	88.4	10.14	43.55	87.7
	Un protected	78.52	6.2		83.1	5.13		84.4	4.7		82.01	5.34	
R4	Protected	7.56	47.61	88	7.3	41.89	89.4	18.9	40.7	88.8	11.25	43.40	88.7
	Un protected	84.21	5.7		88.1	4.4		86.1	4.6		86.14	4.90	
R5	Protected	8.24	45.58	87.5	11.2	40.38	88	4.4	43.5	91.6	7.95	43.15	95.3
	Un protected	82.13	5.68		96.1	4.81		87.5	3.7		88.58	4.73	
R6	Protected	6.89	46.89	88.4	10.7	40.91	90.6	18.4	40.6	85.2	12.00	42.80	88.1
	Un protected	80.54	5.42		87.1	3.81		80	6		82.55	5.08	
R7	Protected	8.12	46.26	88.3	6.8	43.18	90	14.6	40.7	85.4	9.84	43.38	94.8
	Un protected	80.42	5.41		89.3	4.31		81.6	5.9		83.77	5.21	
R8	Protected	5.13	47.66	87.3	8.1	43.13	90.7	4.3	43.1	90.7	5.84	44.63	89.6
	Un protected	82.1	6.03		93.1	4.01		88.4	4		87.87	4.68	
R9	Protected	6.36	46.93	89.6	10.3	40.13	89	7.9	43.3	87.3	8.19	43.45	99.9
	Un protected	81.45	4.89		88	4.38		76.1	5.5		81.85	4.92	
Mean	Protected	6.55	47.02	87.9	8.96	41.71	89.1	11.4	41.8	88.4	8.97	43.51	88.5
	Un protected	81.15	5.7		89.8	4.52		83.6	4.8		84.85	5.01	

Table 64. Assessment of avoidable yield losses due to cyst nematode, *Heterodera zeae* on maize at Udaipur.

Treatments	Nematode population						Grain yield		
	Females/ 5 g root	Per cent reduction over check	Cyst / 100 cc soil	Per cent reduction over check	Final Larvae/ 100 cc soil	Per cent reduction over check	q / ha	Per cent increase over check	Avoidable loss (%)
Phorate 2 kg /ha	21.3	33.44	18	30.77	740	35.65	33.73	43.35	30.24
Check	32	-	26	-	1150	-	23.53	-	-
't' test	Sig.	-					Sig.	-	-

Crop variety: PEHM-2

Table 65. Distribution and population status of plant parasitic nematodes associated with maize in maize growing areas in Rajasthan

Name of Places Surveyed	No. of samples collected	No. of samples containingH. Zeae	Occurrence (%)	Average Nematode Population Cyst /plant	Cyst/100 cc soil	Larvae / 100 cc soil	Other Dominant Nematodes in soil
Rajasthan (Udaipur)	13	9	69.23	9.22	13	555.56	RLN, SN, LN
Assam (Gossaigaon)	4	2	50	2	3	120	RLN, LN, RKN
Meghalaya (Barapani)	7	--	0	--	--	--	RLN, RKN
Manipur (Imphal)	5	2	40	3	3	140	RLN ,SN, LN
Grand Total	**29**	**13**	**44.83**				

LN : Lance nematode ,*Hoplolaimus* spp. SN : Stunt nematode, *Tylenchorhynchus* spp.
RLN : Root lesion nematode , *Pratylenchus*spp. RKN : Root-knot nematode, *Meloidogyne* spp.

Table 66. Maize diseases in trap nursery trial at different locations of the country.

S No	Genotype	Maydis Leaf Blight												
		ALMO	DHAU	IMPH	DELH	KARN	LUDH	PANT	DHOL	SABO	KALY	PEDD	MAND	UDAI
1	CM 400	3.0	7.0	3.3	1.0	8.0	8.0	33	3.0	3.0	9.0	3.0	-	5.0
2	CM500	5.0	6.0	3.6	6.0	6.0	6.0	44	5.0	2.0	7.4	4.0	3.0	6.5
3	CM501	1.0	5.0	3.4	2.0	6.0	3.0	44	6.0	2.0	4.8	3.0	-	5.5
4	CM 600	3.0	6.0	2.9	3.0-	9.0	8.0	78	5.0	5.0	8.6	2.0	-	2.5
5	BML 6	0.0	5.0	3.0	3.0	7.0	4.0	44	5.0	3.0	6.0	2.0	-	3.5
6	BML 7	1.0	N G	3.7	2.0	6.0	3.0	-	7.0	-	5.8	2.0	-	3.5
7	Surya	1.0	4.0	3.8	3.0	6.0	3.0	22	NG	4.0	5.4	-	-	5.0
8	Early Composite	1.0	5.0	4.6	2.0	6.0	4.0	67	8.0	3.0	6.0	2.0	-	2.5
9	LM 14	1.0	3.0	3.2	2.0	5.0	2.0	-	3.0	3.0	2.8	2.0	-	5.0
10	IIMR SBT POOL	3.0	7.0	3.9	3.0	5.0	3.0	22	NG	3.0	5.0	2.0	3.5	3.5
11	Check (Res)	0.0	4.0	-	1.0	2.0	2.0	67	3.0	1.0	8.6	1.0	-	3.5
12	Check (Sus.)	3.0	3.0	-	8.0	8.0	8.0	67	8.0	5.0	-	2.0	-	6.5

Contd.

S No	Genotype	Turcicum Leaf Blight									BLSB			
		ALMO	DHAU	IMPH	DHOL	KALY	PEDD	HYDE	DHAR	MAND	DHAU	IMPH	KARN	LUDH
1	CM 400	5.0	-	8.0	-	5.0	4.0	-	7.0	7.0	4.0	0.0	3.0	7.0
2	CM500	1.0	-	6.0	-	5.2	4.0	4.1	2.5	3.0	4.0	2.0	4.0	3.0
3	CM501	0.0	-	5.0	-	2.2	4.0	-	2.0	3.0	1.0	0.0	3.0	3.0
4	CM 600	7.0	-	7.3	-	4.2	3.0	-	9.0	8.0	6.0	0.0	4.0	7.0
5	BML 6	0.0	-	6.7	-	3.2	3.0	-	3.5	9.0	5.0	0.0	4.0	2.0
6	BML 7	0.0	N G	5.3	-	1.8	4.0	-	2.5	7.0	N G	0.0	5.0	2.0
7	Surya	3.0	-	7.7	-	2.6	-	-	6.5	1.0	7.0	2.0	4.0	3.0
8	Early Composite	3.0	-	6.0	-	2.0	4.0	-	8.5	9.0	5.0	0.0	4.0	2.0
9	LM 14	0.0	2.0	5.7	-	1.6	3.0	3.5	2.0	1.0	4.0	0.0	3.0	3.0
10	IIMR SBT POOL	0.0	-	7.0	-	3.0	4.0	-	6.0	3.0	5.0	2.0	4.0	5.0
11	Check (Res)	0.0	-	-	-	4.6	1.0	-	2.0	**2.0**	7.0	-	2.0	1.0
12	Check (Sus.)	7.0	-	-	-		4.0	-	8.0	**9.0**	2.0	-	5.0	6.0

Contd.

Table 66 (Contd.)

S No	Genotype	BLSB		Curvularia Leaf Spot								BS	PFSR	
		PANT	PEDD	DHAU	IMPH	KARN	PANT	SABO	MAND	DHAR	UDAI	DHAU	DELH	LUDH
1	CM 400	33	1.0	4.0	0.0	3.0	-	1.0		5.5	4.5	-	25	4.8
2	CM500	22	3.0	4.0	0.0	3.0	-	-		2.0	6.5	1.0	25	1.7
3	CM501	22	1.0		0.0	2.0	22	-		2.0	5.0	-	75	3.7
4	CM 600	67	2.0	3.0	5.0	4.0	22	1.0		7.0	2.5	-	25	6.7
5	BML 6	22	1.0	2.0	0.0	3.0	22	-		2.5	3.5	-	75	2.4
6	BML 7	-	1.0	N G	0.0	4.0	-	-		2.0	3.5	N G	50	2.0
7	Surya	22	-	2.0	3.0	4.0	22	-		6.0	6.5	-	50	1.6
8	Early Composite	67	3.0	4.0	0.0	3.0	22	-	4.0	5.0	3.5	-	26	3.4
9	LM 14	67	1.0	1.0	3.9	3.0	-	-	3.0	3.5	3.5	-	50	2.5
10	IIMR SBT POOL	78	1.0	3.0	8.0	2.0	22	-		6.0	2.5	3.0	75	4.3
11	Check (Res)	89	1.0	3.0	-	2.0	-	-		1.5	3.5	-	25	2.0
12	Check (Sus.)	89	3.0	-	-	4.0	22	-		3.5	6.5	2.0	75	6.2

Contd.

S No	Genotype	PFSR	C. Rot	C. Rust				P. Rust	BSR (%)		RDM (%)	Stalk Rot (%)	SDM (%)
		UDAI	HYDE	IMPH	PANT	DHAR	PEDD	MAND	LUDH	PANT	UDAI	KALY	MAND
1	CM 400	6.0	4.5	5.8	-	4.5	1.0	4.0	0	9	65	-	
2	CM500	6.0	6.3	6.5	22	3.5	1.0	3.0	0	-	55	5	
3	CM501	-	7.2	7.1	22	4.0	1.0	4.0	0	-	40	-	
4	CM 600	-	8.7	4.8	22	4.5	3.0	4.0	0	43	25	-	
5	BML 6	5.0	2.2	5.0	22	3.0	2.0	1.0	0	-	0	9	
6	BML 7	-	3.3	7.7	-	2.0	3.0	1.0	0	-	20	11	40
7	Surya	7.0	5.4	7.2	33	3.5	-	3.0	0	-	60	-	40
8	Early Composite	6.0	7.3	7.6	33	4.0	1.0	2.0	0	-	20	5	
9	LM 14	4.5	5.1	4.7	22	2.5	1.0	1.0	0	-	50	4	
10	IIMR SBT POOL	-	4.5	4.3	22	3.0	1.0	2.0	13	-	22	4	
11	Check (Res)	-	-	-	22	1.5	1.0	4.0	0	-	18	9	
12	Check (Sus.)	7.0	-	-	22	6.0	3.0	7.0	0	-	75	-	

Resistant Check: NAH 1137 (MAND), EC (D) (DHAU), SC 7 (DELH), HQPM 1 (KARN), PSM 3 (PANT), DHM 117 (SABO), LM 14 (UDAI), V 373 (ALMO), CML 161 (DHOL)

Susceptible Check: CM 200 (MAND), 7074 (DHAU), KAVERI 50 (KALY), CM 600 (DELH), HM 9 (KARN), Early composite (PANT, UDAI), P 3355 (SABO), Dhari local (ALMO), CML 186 (DHOL)

Table 67. Disease survey and surveillance in different maize growing areas of Tamil Nadu (Coimbatore)

S. No.	Crop Stage	State/Distt.	Disease	Disease incidence	Intensity
1.	Flowering stage	KallakkurichitalukVillupuram district	*Spodopterafrugiperda*	30 %	Medium
2.	Flowering stage	Peramballur district	Nil	-	-
3.	Knee high stage	TNAU Agronomy trials	Maydis blight*	Grade 3	Medium
4.	Flowering stage	Peramballur district	Nil	-	-

*Maydis leaf blight was observed upto grade 3 during August, 2018.

Table 68. Disease survey and surveillance in different maize growing areas of Bihar (Dholi)

S. No.	District/ place	Location	No. of fields surveyed	Month of surveyed	Crop stage	Crop variety	Foliar diseases (Disease Score and Intensity)				
							MLB	MLB (PDI)	TLB	BLSB	BSR
1	Samastipur	Tajpur	2	Sept-Oct	Grain filling stage	Hybrid	3-5	33.3-55.5	Nil	Nil	Trace
		Bhagatwatpur	4	Sept-Oct			5-7	55.5-77.7			
		Baghauni	2	Sept-Oct			5-7	55.5-77.7			
		Birauli	3	Sept-Oct			3-6	33.3-66.6			
2	Muzaffarpur	Dholi	3	Sept-Oct			3-5	33.3-55.5			
		Pikhi	4	Sept-Oct			5-7	55.5-77.7			
		Motipur	3	Sept-Oct			7-8	77.7-88.8			
		Mohamadpur	5	Sept-Oct			3-4	33.3-44.4			
		Kanti	3	Sept-Oct			4-5	44.4-55.5			
3	Vaisali	Proper Vaishali	2	Sept-Oct			3-4	33.3-44.4			
		Jamdaha	5	Sept-Oct			5-6	55.5-66.6			
		Sarairanjan	3	Sept-Oct			3-4	33.3-44.4			
4	E. Champaran	Piparakothi	4	Sept-Oct			6-7	60.6-77.7			
		Turkauliya	3	Sept-Oct			6-7	66.6-77.7			
		Kalyanpur	5	Sept-Oct			3-5	33.3-55.5			

Table 69. Disease survey and surveillance in different maize growing areas of Himachal Pradesh (Dhaulakuan)

S. No	VILLAGE	BLSB*	CLS	BS	BSR	TLB	MLB
1.	Rampur	M-H	L	T	L-M	T	M
2.	Khambanagar	M-H	T	T	L-M	-	M
3.	Parduni	H	L	-	L-M	-	M
4.	Kotli	L	L	-	L	-	L
5.	Pipliwala	M	T	L	L-M	-	L
6.	Patlion	M-H	L	L	L-M	-	M
7.	Kolar	M-H	T	T	L-M	-	M
8.	Johro	M	L	L	L	-	M
9.	Ftehpur	L	L	-	L	-	L
10.	Sainwala	H	L	L	H	-	L
11.	MatakMajri	H	M	L	M	-	M

*BLSB incidence was more in early sown crop

***Disease intensity: T - Traces; L - Low; M - Medium; H – High*

Table 70. Disease survey and surveillance in different maize growing areas of Karnataka (Dharwad)

Sl.No	District /Place	Crop Stage	Foliar diseases severity (PDI)				
			TLB	C.Rust	CLS	MLB	Brown Spot
1	Arabhavi	Grain filling stage	49.85	52.50	29.66	33.25	Traces
2	Bagalkot	Dough stage	41.33	51.74	Traces	43.68	Traces
3	Bailhongal	Grain filling stage	50.86	46.26	21.34	Traces	Traces
4	Belavatagi	Maturity stage	42.73	40.65	Traces	21.50	Traces
5	Devihousur	Dough stage	51.38	49.73	41.80	Traces	Traces
6	Dharawad	Grain filling stage	52.66	40.35	48.50	25.80	Traces
7	Gokak	Maturity stage	49.85	48.53	19.75	30.85	Traces
8	Hangal	Dough stage	54.36	48.65	35.26	Traces	25.60
9	Haveri	Grain filling stage	54.83	46.66	38.95	31.73	24.35
10	Kalaghatagi	Dough stage	56.45	42.60	47.33	24.70	Traces
11	Mudhol	Grain filling stage	44.80	49.35	Traces	45.80	Traces
12	Nippani	Grain filling stage	53.40	38.55	29.78	19.66	Traces

Table 71. Disease survey and surveillance in different maize growing areas of Gujarat (Godhra)

S. No.	Locations	Date	No. of field surveyed	Foliar diseases (Disease Score and Intensity)				Date of disease appearance (MMRS, Godhra)	Period of rapid spread (MMRS, Godhra)
				MLB (1-9)	TLB (1-9)	CLS (1-9)	BLSB (1-9)		
1.	Godhra	03.09.18	10	5	3	4	5	MLB : 15.08.18 TLB : 17.08.18 CLS : 22.08.18 BLSB : 21.08.18	1. MLB : 26.08.18 to 05.10.18 2. TLB : 27.08.18 to 26.09.18 3. CLS : 25.08.18 to 28.09.18 4. BLSB: 24.08.18 to 25. 09.18
2.	Khanpur	04.09.18	12	5	4	5	6		
3.	Santrampur	13.09.18	16	4	3	4	4		
4.	Dahod	18.09.18	13	4	4	6	3		
5.	Garbada	22.09.18	12	5	6	5	4		
6.	Chhotaudipur	23.09.18	09	4	4	4	5		
7.	Pavijetpur	24.09.18	12	3	5	6	6		
8.	Amirgadh	26.09.18	10	2	5	4	4		
9.	Khedbrahma	27.09.18	18	4	6	5	4		
10.	Bhiloda	28.09.18	13	5	5	6	2		
11.	Virpur	29.09.18	12	3	6	2	6		
12.	Sonpur	30.09.18	15	4	5	3	4		
13.	Idar	01.10.18	14	2	2	2	2		
14.	Datta	05.10.18	16	2	3	2	2		
15.	Ambaji	06.10.18	19	2	3	1	3		
16.	Palanpur	10.10.18	14	2	2	2	2		
17.	Lunavada	10.10.18	16	2	2	3	3		
18.	Modasa	12.10.18	12	3	3	3	4		

Table 72. Disease survey and surveillance in different maize growing areas of Manipur (Imphal)

District/ Disease	Crop stage	Foliar diseases					Rust		Smut		Stalks rot		Ear rots at harvest
		TLB	BLSB	MLB	Brown Spot	CLS	C. Rust	P. Rust	Corn smut	Head smut	BSR	PFSR	
Thoubal	Grain filling stage	High	High	Low	Medium	Low	High	Medium	Low	Traces	Low	Low	Traces
Imphal East	Grain filling stage	High	Moderate	Low	Low	Low	High	Medium	Low	-	Low	Low	Traces
Urkhul	Knee high and grain filling stage	Moderate	Moderate	Low	Low	Traces	Moderate	Low	Low	-	Low	Traces	Traces
Tamenglong	Grain filling stage	Moderate to High	Moderate	Low	Low	Low	Moderate to High	Low	Low	-	Low	Traces	Traces

Disease Intensity:- T - Traces; L - Low; M - Medium; H - High

Table 73. Disease survey and surveillance in different maize growing areas of West Bengal (Kalyani)

S. No.	Place/District	Crop Stage	Variety	MLB Score & Reaction	TLB Score & Reaction	CLS score & reaction
1	LalgolaMurshidabad	Physiological maturity	Kaveri 50	5 Moderately resistant	6.2Modertely susceptible	6.6 Moderately susceptible
2	AbasPurbaMedinipur	Physiological maturity	P 3505	6.8 Moderately susceptible	2.9Resistant	3.2 Resistant
3	Singha 24 PGS (North)	Harvesting stage	Sugar 75 (sweet corn)	2.6 (Resistant)	1.8 Resistant	1.0 (Resistant) Rust infection was found Score = 7.0 (Susceptible)
4	Bholadanga Nadia	Tasselling	Baby Corn	4.76 - Moderately Resistant	-	3.0 (Resistant)

Table 74. Disease survey and surveillance in different maize growing areas of Punjab (Ludhiana)

S.No.	District	Crop Stage	Foliar diseases				Stalk rots		Ear rots at harvest
			MLB	BLSB	CLS	BLS	BSR	PFSR	
1.	ShaheedBhagat Singh Nagar	Knee high and grain filling stage	Low to Moderate	Moderate	-	-	Moderate	Low	-
2.	Hoshiarpur	Knee high and grain filling stage	Moderate	Moderate	-	Low	Moderate	Low	-
3.	Ludhiana	Knee high and grain filling stage	Moderate	Moderate	Moderate	Low	Low	Moderate	Low
4.	Rupnagar	Knee high and grain filling stage	Low to Moderate	Low to Moderate	-	-	Low	Low	-
5.	Gurdaspur	Knee high and grain filling stage	Moderate	Moderate	-	-	Moderate	Low	Low
6.	Jalandhar	Knee high and grain filling stage	Moderate	Low to moderate	-	-	Low	Low to Moderate	-
7.	Pathankot	Knee high and grain filling stage	Moderate	Moderate	-	Low	Moderate	Low	-

Table 75. Disease survey and surveillance in different maize growing areas of Telangana (Hyderabad)

S. No.	Crop Stage	No of field visited	Disease	Disease Intensity*
1	Vegetative stage (July to August)	16 fields	TLB	T
2	Flowering to Maturity (September to October)	21 fields	TLB, Charcoal rot	T to L, L to M

**Disease intensity:T - Traces;L - Low; M - Medium;H– High*

Table 76. Disease survey and surveillance in different maize growing areas of Uttarakhand (Pantnagar)

S.No.	District (Place)	Crop Stage	Foliar Diseases (Disease Rating on 1-9 Scale)					Stalk Rot (% Incidence)	
			BLSB	MLB	TLB	CLS	BS	BSR	Fusarium Stalk Rot
1	U. S. Nagar (Pantnagar)	Seedling to maturity	9	6	0	5	3	20	5
2	Haridwar (Shyampur)	Milk Stage	7	4	0	2	2	10	5
3	Dehradun (Sahia)	Milk Stage	6	4	4	0	0	5	0
4	Tehri (Bayasi)	Milk Stage	6	3	0	2	0	5	0
5	Nainital (Haldwani)	Silking to maturity	7	4	0	3	2	10	20
6	Champawat(Lohaghat)	Milk Stage	3	3	7	0	0	0	0

Table 77. Disease survey and surveillance in different maize growing areas of Haryana (Karnal)

S.No.	Crop Stage	State/District No of field visited	No of field visited	Foliar Diseases		
				MLB	BLSB	CLS
1	Dough stage	Karnal	8	M-H*	M	L
2	Dough stage	Kurukshetra	5	M-H	L-M	L
3	Cob formation stage	Sonipat	6	M-H	L	L
4	Dough stage	Ambala	5	M	L	T
5	Hard dough stage	Panchkula	5	M-H	M	L
6	Dough stage	Yamunanagar	4	M	L	T

*Disease intensity: T - Traces; L - Low; M - Medium; H – High

Table 78. Disease survey and surveillance in different maize growing areas of Maharashtra (Rahuri)

S. No.	District	Crop Stage	No of field visited	Disease	Disease Intensity*
1	Ahmednagar	Pre flowering - Grain filling	21	TLB, MLB, C Rot	Low
2	Pune	Pre-flowering	14	TLB, MLB	Trace
3	Satara	Pre-flowering	18	-	-
4	Sangali	Pre-flowering	11	-	-
5	Kolhapur	Pre flowering	9	-	-
6	Nasik	Flowering- Dough stage	21	TLB, MLB, C Rot	Traces- Low
7	Dhule	Flowering- Dough stage	13	TLB, MLB	Traces
8	Nandurbar	Flowering- Dough stage	9	TLB, MLB and False head smut	Traces

*Disease intensity - *Traces; L - Low; M - Medium; H – High*

Table 79. Disease survey and surveillance in different maize growing areas of Andhra Pradesh (Peddapuram)

S. No.	Place	Month	Crop stage	Disease	Disease Intensity
1	Jagampet	July	Vegetative Stage	TLB	M
		August	Flowering stage	MLB	M
		October	Grain Hardening Stage	TLB	S
2	Gurrampalem	July	Vegetative Stage	MLB	M
		September	Cob Formation Stage	TLB	S
3	Katravulapalli	July	Vegetative Stage	TLB	M
		September	Cob Formation Stage	TLB	S
4	Murari	July	Vegetative Stage	TLB	M
		September	Cob Formation Stage	TLB	S
5	Yallamilli	July	Vegetative Stage	TLB	M
		August	Flowering stage	TLB	M
6	Yarravaram	August	Vegetative Stage	MLB	M
		September	Flowering stage	TLB	M
7	J.Thimmapuram	July	Vegetative Stage	TLB	M
		August	Flowering stage	TLB	M
		October	Grain Hardening Stage	TLB	S
8	Kattamuru	July	Vegetative Stage	TLB	M
		August	Flowering stage	TLB	M
		October	Grain Hardening Stage	TLB	S
9	Gollaprolu	August	Vegetative Stage	TLB	M
		September	Flowering stage	TLB	M
		October	Cob Formation Stage	Rust	T
10	Addathigala	September	Flowering stage	MLB	M
		October	Cob Formation Stage	MLB	M

Table 80. Disease survey and surveillance in different maize growing areas of Karnataka (Mandya)

S. No.	District/Place	Crop stage	Foliar disease severity(PDI)					BLSB (%)	PFSR Incidence (%)
			TLB (%)	CLS (%)	MLB (%)	P. Rust (%)	SDM (%)		
1	Mysore	Silking-Grain filling stage	70	30	25	30	32	-	-
2	Bangalore Rural	Grain filling stage	50	20	10	-	35	-	-
3	Chikkaballapur	Grain filling stage	45	20	20	-	15	-	20
4	Mandya	Knee high stages	65	25	15	40	40	-	15

Table 81. Disease survey and surveillance in different maize growing areas of Rajasthan (Udaipur)

S. No	Place	Crop variety	Disease Intensity/Severity											
			Foliar diseases								PFSR/ SMUT			
			DM (%)	MLB	TLB	BSDM (%)	BLSB	CLS	BS	Other	PFSR	CSR	LW	Head smut
1.	Sisarma	Maize local	15.0	3.0	-	15.0	-	0.5	1.5	-	-	-	-	-
2.	Changeri	Maize Local (Yellow/white)	5.0	3.0	-	5.0	1.0	2.0	1.5	-	Mod.	-	-	Flag smut Mod.
3.	UdaiNiwas	Maize local	15.0	2.0	-	-	-	1.5	2.0	-	-	-	-	-
4.	Peepalwas	Maize Local	25.0	2.0	-	-	-	2.5	1.5	-	Mod.	-	-	-
5.	Mavli	Maize Local (Yellow/white)	-	2.5	-	-	-	2.0	2.0	-	Mod.	-	-	-
6.	Undri	DHM-117	0.0	1.0	-	-	-	1.5	1.0	-	Mod.	-	-	-
7.	Dabok	Maize Local	-	2.0	1.0	-	-	2.5	2.0	-	Tr.to Mod.	-	-	-
8.	Lakadwas	Sweet Corn	10.0	2.5	-	-	-	2.0	1.0	-	-	-	-	-
9.	Bhatewar	Maize Local	-	1.5	-	-	2.0	1.5	2.0	-		-	-	Flag smut Mod.
10.	Bheelkhera	Maize Local (Yellow/white)	30.0	1.0	1.5	20.0	2.5	1.5	1.5	-		-	-	-
11.	Kavita	Maize Local	25.0	2.0	-		1.0	1.0	1.0	-	Sev.	-		-
12.	Iswal	Maize Local	20.0	2.0	1.0	25.0	1.5	1.5	0.5	-	Sev.	--	-	-
13.	Pindwara	Sathi Local	-	4.5	6.0	6.0	-	5.0	2.5	-	Mod.	-	-	Common Rust
14.	Jetpura	Ujjawal Private Company	-	4.0	-	6.0	-	5.0	4.5	-	Mod.	-	-	Common Rust
15.	Ambaji	Gujarati Local and Sweet Corn	-	6.0	-	6.5	-	4.0	2.5	Common Rust	Mod.	-	-	-
16.	Gogunda	900 M Gold	-	5.0	-	5.5	-	4.0	2.0	Common Rust	Sev.	-	-	-
17.	Gorana	Local	-	3.5	-	3.5	-	4.0	2.5	CS	-	-	-	-
18.	Phalasia	Local	-	3.5	-	3.0	-	4.5	3.5	CS	Sev.	-	-	6.0
19.	Makradev	Sathi Local			5.0									

RDM – Rajasthan Downy Mildew, PFSR – Post Flowering Stalk Rot, MLB – Maydis Leaf Blight, CLS – Curvularia Leaf Spot, BS – Brown Spot BLSB – Banded Leaf & Sheath Blight, HS = Head Smut, Tr. – Traces, Mod. – Moderate, Sev. – Severe.

In this year Kharif-2018 more incidence of TLB in some pockets was observed. The rainfall intensity was less as compared to last year and there was 30% deficit. But the rainfall as and when required by crop was there which resulted into least diseases.

Table 82. Efficacy of fungicides and bio on incidence of TLB at CAU, Imphal

Treatments		Disease score	PDI	Disease Control (%)	Yield (q/ha)	Yield Increase (%)
T1	Dithane M-45 75 WP@ 0.25% seed treatment and spray @ 35 and 45 DAS	3.7	40.88	39.66	95.55	33.13
T2	Azoxystrobin 18.2 w/w +Difenoconozole11.4% w/w SC@ 0.10% seed treatment and spray @ 0.10% @ 35 and 45 DAS	2.6	29.69	56.18	99.11	38.08
T3	Azadirachta indica (Neem) leaves @ 10% @ 35, 45 and 55 DAS	5.2	57.26	15.48	90.44	26.01
T4	*Allium sativum* (Garlic) bulb@ 10%@ 35, 45 and 55 DAS	4.8	53.16	21.54	92.00	28.17
T5	*Lantana camara* @10%@ 35, 45 and 55 DAS	5.5	60.62	10.52	79.11	10.22
T6	Cow urine @ 20%@ 35, 45 and 55 DAS	5.3	59.11	12.75	80.89	12.69
T7	Trichoderma asperellum @ 1% as seed treatment, bioagent-fortified FYM(1:50) and spray @ 1% 50 DAS	5.5	60.62	10.52	76.84	7.06
T8	Unprotected inorganic check	5.7	62.74	7.39	75.11	4.64
T9	Unprotected organic check	5.9	67.75		71.78	

Test Hybrid- HQPM1

Table 83. Efficacy of newer fungicides on incidence TLB at Dharwad

Treatment	Fungicide	Dosage (%)	PDI		Pooled	Per cent Disease control		Pooled	Grain Yield (q/ha)		Pooled	Per cent Increase in yield		Pooled
			2017	2018		2017	2018		2017	2018		2017	2018	
T_1	Difenconazole 25 EC	0.10	33.21 (35.26)	34.45 (32.08)	33.83 (33.67)	57.19	56.81	57.00	62.55	61.46	62.00	28.54	23.61	26.07
T_2	Propiconazole 25 EC	0.10	34.75 (36.32)	33.27 (30.11)	34.01 (33.21)	55.20	58.29	56.74	61.33	61.66	61.49	26.03	24.01	25.02
T_3	Tebuconazole 250 EC	0.10	26.33 (30.85)	28.79 (31.42)	27.56 (34.13)	66.06	63.90	64.98	63.56	64.85	64.20	30.62	30.43	30.52
T_4	Hexaconazole 5 EC	0.10	50.87 (45.48)	53.32 (46.80)	52.09 (46.14)	34.42	33.15	33.78	51.83	52.38	52.10	6.51	5.34	5.92
T_5	Azoxystrobin 18.2% + Difenconazole 11.4%	0.10	25.10 (29.96)	24.17 (29.42)	24.63 (29.69)	67.64	69.70	68.67	65.73	68.53	67.13	35.08	37.83	36.45
T_6	Pyraclostrobin 20% WG	0.10	44.64 (41.38)	45.48 (50.87)	45.06 (46.12)	42.45	42.98	42.71	56.23	55.96	56.09	15.55	12.55	14.05
T_7	Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l 500 SC	0.20	28.34 (32.14)	30.89 (33.77)	29.61 (32.95)	63.46	61.27	62.36	63.81	62.66	63.23	31.13	26.02	28.57
T_8	Trifloxystrobin 25% + Tebuconazole 50%	0.05	24.17 (29.42)	28.33 (32.12)	26.25 (30.77)	68.84	64.48	66.66	68.55	68.25	68.40	40.87	37.26	39.06
T_9	Untreated Control (Water spray)	-	77.58 (61.75)	79.77 (63.27)	78.67 (62.51)	-	-	-	48.66	49.72	49.19	-	-	-
SEm±			1.17	1.26	1.21	-	-	-	1.12	1.49	1.30	-	-	-
CD(P=0.05)			3.49	3.74	3.61	-	-	-	3.29	4.55	3.92	-	-	-
CV (%)			6.34	6.85	6.59	-	-	-	18.23	16.57	17.40	-	-	-

Figures in parentheses are Arcsine transformed values

Foliar application of Azoxystrobin 18.2% + Difenconazole 11.4% (Amistar Top) @ 0.1% found significantly superier with respect ot disease control efficacy (68.67%) and increase in grain yield (36.45%).The next best fungicides were Trifloxystrobin 25% + Tebuconazole 50% (Natio 75WP) and Tebuconazole 250 EC (Folicure).

Table 84. Management of PFSR through fungicides, bio-agents and botanicals at Udaipur

Treatments		Mean disease score	PDI	Disease control (%)	Grain yield	
					(q/ha)	Increase over control (%)
T_1	*TH -3* @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray@ 0.5%	3.0	22.7 (28.4)	65.84	42.7	43.28
T_2	Seed treatment with Neem extract and FS @ 10% at 45 and 60 DAS	3.5	20.6 (27.0)	69.02	39.4	32.21
T_3	Resident isolate of Trichodermaviride used by multiplication in 100 Kg FYM	2.5	14.4 (22.3)	78.34	45.5	52.68
T_4	Seed Treatment with Tabuconazole @ 6 g/kg. Seed and FS at 45 and 60 DAS	4.0	37.5 (37.7)	43.60	37.2	24.83
T_5	Propiconazole @ 0.1% spray at 40 DAS	2.5	14.7 (23.5)	77.89	43.8	46.97
T_6	Seed treatment with Bavistin @ 6g/Kg seed and two FS at 45 and 60 DAS	3.5	31.2 (33.9)	53.08	41.5	39.26
T_7	Untreated check (water spray)	7.5	66.5 (54.6)	-	29.8	-
SEM+		0.11	1.26	1.89	1.12	4.20
CD (0.05)		0.34	3.73	5.62	3.29	12.47
CV (%)		6.02	8.48	6.83	5.75	26.52

Note: Bio-agent fortified FYM under moist condition was incubated for 25 days and thereafter, it was applied in furrow near root zone of the plants before sowing of experiment.

Table 85. Management of CLS through fungicides, bio-agents and botanicals at Udaipur

Treatments		Incidence (%)	Disease control (%)	Grain yield	
				(q/ha)	Increase (%)
T_1	Seed treatment with Neem extract and FS @ 10% at 45 and 60 DAS	33.0	45.0	**40.5**	**52.83**
T_2	*TH-3* @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray @ 0.5%	22.0	56.0	43.5	64.15
T_3	*TV-3 (Trichodermaviride)* @ 0.5% as seed treatment, bioagent-fortified FYM (1:50) and spray 45 DAs @ 0.5%	13.0	65.0	**47.8**	80.37
T_4	Alliete ST @ 4g/Kg seed and FS at 45 and 60 DAS @ 0.2%	10.0	68.0	**49.6**	87.16
T_5	Azoxystrobin @ 0.2% seed treatment and spray 45 and 60 DAS @ 0.15%	NA Not Available	NA		NA
T_6	Carbendazim+Mancozeb @ 0.25% seed treatment and spray 45 and 60 DAS@ 0.2%	8.0	70.0	**51.2**	93.20
T_7	Carbendazim 6g/kg ST+ FS at 45 and 60 DAS @ 0.2%	12.0	66	**48.9**	84.52
T_8	Untreated check (water spray)	78.0	-	26.5	-
SEM+		0.77	0.99	1.58	5.90
CD (0.05)		2.30	2.95	4.69	17.54
CV (%)		6.15	2.93	7.18	17.77

Note: Incubated bio-agent fortified FYM under moist condition for 20 days before sowing of experiment.
All the plants in the trial were artificially inoculated by Spray inoculation technique using conidial suspension of 50 conidia/ml for two days at 48 hrs. Interval.

Table 86. Management of maize cyst nematode, *Heterodera zeae* on maize through bio-agents as seed treatment at Udaipur

Treatment	Nematode Parameters						Grain Yield	
	Females /5 g root	Per cent reduction over check	Cyst/ 100 cc soil	Per cent reduction over check	Final larvae/100 cc soil	Per cent reduction over check	q/ha	Per cent increase over check
Glomusfasciculatum 1 % w/w	26	30.97	18.67	25.32	865	26.38	26.13	23.43
Glomusfasciculatum 2 % w/w	24.33	35.4	16.67	33.33	785	33.19	29.12	37.55
Glomusfasciculatum 4 % w/w	18.33	51.33	12.67	49.32	572.67	51.26	34	60.6
Metarrhiziumanisopliae 1 % w/w	30.67	18.58	21	16	945.33	19.55	24.86	17.43
Metarrhiziumanisopliae 2 % w/w	25.33	32.74	18	28	850.67	27.6	26.74	26.29
*Metarrhiziumanisopliae*4 % w/w	22	41.59	14.67	41.32	680.33	42.1	32.18	51.98
Pseudomonas fluorescens 1 % w/w	36	4.43	24	4	1130	3.83	22.67	7.09
Pseudomonas fluorescens 2 % w/w	32	15.04	22.33	10.67	1000.67	14.84	24.46	15.54
Pseudomonas fluorescens 4 % w/w	29.33	22.12	20.33	18.68	920.33	21.67	26.08	23.19
Trichodermaviride 4 % w/w	23	38.94	16	36	770	34.47	31	46.41
Check	37.67	-	25	-	1175	-	21.17	-
CD at 5%	5.03	-	3.96	-	44.9	-	1.45	-

Crop variety: PEHM-2

Table 87. Screening of cow products for the management of maize cyst nematode, *H. zeae* on maize as seed treatment at Udaipur

Treatment	Nematode Parameters						Grain Yield	
	Females /5 g root	Per cent reduction over check	Cyst/ 100 cc soil	Per cent reduction over check	Final larvae/100 cc soil	Per cent reduction over check	q/ha	Per cent increase over check
Panchgavya 5% w/v	28.33	21.3	20.67	18.42	969.67	19.19	24.53	11.08
Panchgavya 10 % w/v	26	27.78	18	28.95	872.33	27.31	26.33	19.23
Panchgavya 20 % w/v	21.67	39.81	14.67	42.11	675.67	43.69	30	35.85
Cow Urine 5 % w/v	32.67	9.26	23.33	7.89	1050.33	12.47	23	4.15
Cow Urine 10 % w/v	28.67	20.37	20	21.05	960.33	19.97	24.13	9.27
Cow Urine 20 % w/v	25.67	28.69	17.32	31.58	810	32.5	28.12	27.36
Butter Milk 5 % w/v	34	5.56	24	5.26	1100	8.33	22.78	3.15
Butter Milk 10 % w/v	32	11.11	22.33	11.84	1010	15.83	23.33	5.65
Butter Milk 20 % w/v	27	25	18.33	27.63	890	25.83	25.8	16.83
Curd 20 % w/v	25.33	29.63	16.67	34.21	785.67	34.53	28.67	29.81
Check	36	-	25.33	-	60.47	-	22.08	-
CD at 5%	4.95	-	3.53	-	-	-	1.15	-

Crop variety: PEHM-2

Metrological data of *Khatif* 2018

Annexure- I

Sr. No.	Place	Month	Rainfall	Rainy Days	Temprature		Relative Humidity		Mean RH (%)	Sun Shine	Solar Radiation	Evaporation	Wind Speed
					Max.	Min.	FN	AN					
1	Coimbatore	June	13.5	1.8	30.1	23.7	84	67.3	-	4.1	294.3	5.5	10.9
		July	14.7	1.8	30.3	23.5	84.1	65.2	-	4.3	300.5	5.6	11.1
		August	15.1	1.5	29.9	22.8	84.3	64.8	-	4.2	287.3	5.7	9.9
		September	0	1.8	33	22.4	86.8	53.3	-	8.4	372.1	5.9	5.7
		October	0	1.8	30.7	22.9	85.6	62.2	-	5.5	314	5.5	8.5
2	Delhi	July	12.4	-	34.3	25.5	84.6	63.9	75.5	3.9	-	-	5
		August	7.1	-	33.6	24.9	85.7	69.4	75.4	2.9	-	-	4.8
		September	8.2	-	31.6	22.3	88.8	69.6	79.4	5.2	-	-	4.5
		October	0	-	32.6	14.9	89.3	49.2	68.8	6.8	-	-	2
		November	0.1	-	27.4	11.8	88.9	57.6	73.5	4.7	-	-	2.7
3	Dharwad	January	0	0	30	13.8	71.2	55.4	64.2	-	-	-	-
		February	0.3	0	32.6	16.4	54.7	36.9	47.8	-	-	-	-
		March	18.1	0.8	34.9	19.6	68	27.7	47.9	-	-	-	-
		April	6.6	0.6	42.8	31	70.2	38.2	56.5	-	-	-	-
		May	72.5	3	33.9	21.2	79.9	59.3	67.8	-	-	-	-
		June	19	1.8	28.3	21	87.6	74.8	81.2	-	-	-	-
		July	26.8	3.8	25.9	20.6	90.1	85.2	85.7	-	-	-	-
		August	18.3	2	25.9	20.2	89.9	84.2	87.1	-	-	-	-
		September	15.8	0.8	29.8	18.8	83.4	66.6	74.5	-	-	-	-
		October	15.4	1.2	31.5	18.3	72.7	56.1	64.4	-	-	-	-
		November	8.6	0.5	30.6	15.9	65.4	40.9	53.2	-	-	-	-
		December	9.6	0.3	28.1	14.7	74.2	53.9	64.1	-	-	-	-
4	Dhaulakuan	April	0.8	-	34.7	14.4	76.6	29.6	-	5.6	-	-	3.4
		May	0.4	-	37.3	18.6	65.5	33.1	-	6.6	-	-	4.4
		June	3.3	-	34.7	22.9	76.2	54	-	5.1	-	-	3.5
		July	16.5	-	34.8	23.8	87	73.4	-	3.4	-	-	2.2
		August	10.8	-	30.5	16.7	89.7	77.6	-	3.3	-	-	1.7
		September	9.9	-	30.7	14.5	89.5	75.3	-	4.3	-	-	1.4
		October	0.1	-	29.8	11.8	89.7	51	-	5.2	-	-	1.3
		November	0.6	-	25.8	7.4	90.8	55.7	-	6.3	-	-	1.2
5	Dholi	June	24	-	36	26.5	91.7	61.2	-	-	-	-	-
		July	20	-	34.3	26.7	96.3	71	-	-	-	-	-
		August	29	-	**32.2**	25.7	98.8	78.4	-	-	-	-	-
		September	32	-	33.4	25.5	98.8	75	-	-	-	-	-
		October	11	-	33	19.8	99.1	76.7	-	-	-	-	-
		November	-	-	29.2	13.5	99.5	84.4	-	-	-	-	-
6	Godhra	June	52.5	1.5	36.8	26.8	72.5	-	-	5.8	-	8.3	10.2
		July	215.2	2.8	33.8	25.6	78.9	-	-	3.4	-	5.6	8.5
		August	350.1	3.2	32.7	25.2	81.9	-	-	2.6	-	4.8	7.3
		September	341.9	2.9	32.6	25.1	82.3	-	-	2.8	-	4.5	6.6
7	Hyderabad	July	87.6	-	21.4	30.6	70	89	-	3.3	-	-	-
		August	159.6	-	20.8	29.4	71	88	-	3.8	-	-	-
		September	43.4	-	19.9	31.4	58	90	-	5.9	-	-	-
		October	43.2	-	16.5	32.4	39	86	-	7.4	-	-	-
		November	0	-	13.7	31.3	38	87	-	8.2	-	-	-
8	Kalyani	January	0	-	24.4	8.8	90.9	47.7	-	6.6	-	-	0.3
		February	0	-	30.8	15.7	90	44.4	-	6.2	-	-	0.3
		March	0	-	35.1	21	89.5	40.2	-	6.9	-	-	0.6
		April	1.7	-	35.3	23.5	89.5	54	-	7.5	-	-	1.4
		May	2.3	-	35	25.5	90.7	62.1	-	6.6	-	-	1.6
		June	3.6	-	35.1	27.2	91	68	-	5.4	-	-	0.7
		July	13.1	-	32.5	26.6	95.2	80.5	-	4	-	-	0.5
		August	6.7	-	32.4	26.9	94.7	76.3	-	4.8	-	-	0.2
		September	5.6	-	33.4	26.3	93.7	70.5	-	5.8	-	-	0.3

		October	0.6	-	32.4	22.5	92.9	59.6	-	6.9	-	-	0.1
		November	0.1	-	30	18.2	91.5	46.3	-	7.1	-	-	0.1
		December	0	-	26.4	13.2	92.3	44.6	-	5.2	-	-	0.1
9	Ludhiana	June	35.5	0.8	37.3	25.9	63.8	40.8	-	6.6	-	-	5.5
		July	94	2	34.2	26.7	83.3	65.5	-	5.3	-	-	4.8
		August	18.1	0.2	34.2	27.1	83.8	66	-	5.5	-	-	4.1
		September	58.8	1.5	32	23.7	88.3	62.5	-	7.4	-	-	3.7
		October	0	0	30.3	16.1	89	38.8	-	8.7	-	-	2.2
		November	0.5	0	27.2	11.9	90.2	35.6	-	5.8	-	-	2.3
10	Mandya	March	30.2	-	33.7	20.2	90	89	-	7.5	-	-	-
		April	35.8	-	33.2	21	91	85	-	6.7	-	-	-
		May	249.9	-	32.3	21	92	78	-	6	-	-	-
		June	36.3	-	31.5	20.1	89	85	-	4.1	-	-	-
		July	26.4	-	31.2	20.1	91	76	-	4.6	-	-	-
		August	16	-	31.3	19.3	94	78	-	3.5	-	-	-
		September	177.8	-	30.5	22.4	93	79	-	6.9	-	-	-
		October	100.1	-	31.5	19.2	94	80	-	6.8	-	-	-
		November	0	-	28.3	17.3	84	70	-	5.7	-	-	-
11	Manipur	January	0.3	-	21.8	6.5	89.4	48.1	-	7.5	-	-	-
		February	0.4	-	24.8	9	88	44.8	-	7.1	-	-	-
		March	2.3	-	27	12.1	87.2	41.5	-	7.3	-	-	-
		April	3.1	-	27.7	15.7	86.6	51.1	-	5.5	-	-	-
		May	6.8	-	28	19	88.4	64	-	4.8	-	-	-
		June	12.2	-	29.4	21.9	88.4	69.7	-	3.6	-	-	-
		July	6.9	-	30	22.6	88.6	67.5	-	2.7	-	-	-
		August	5.8	-	29.7	22.1	92.3	71.1	-	2.8	-	-	-
		September	0.9	-	30.3	20.9	90	65.9	-	5.6	-	-	-
		October	3.8	-	27.4	16.5	89.5	59.3	-	6.3	-	-	-
		November	0	-	26.1	11.4	87.7	55.1	-	8	-	-	-
12	Pantnagar	January	1.7	-	16.7	5.5	94.2	73.9	-	3.2	-	1	3.1
		February	1	-	23.4	8.3	93	55.5	-	6.5	-	1.8	4.4
		March	0	-	30.3	11.7	86.8	41.7	-	8.5	-	3.9	5.2
		April	8.4	-	34.3	17.2	75.1	40.5	-	8.2	-	6.3	5.7
		May	2.2	-	36.9	22.2	69.4	39.6	-	8.8	-	8.2	8.1
		June	42.2	-	35.6	25.3	78.3	56.7	-	7	-	7.2	7
		July	110	-	33.1	26.1	86.4	73.8	-	4.9	-	5.7	5.3
		August	144.7	-	30.9	25.2	92	79.6	-	3	-	3.9	1.9
		September	61.8	-	31.5	23.9	91.4	75.6	-	4.7	-	3.5	5.3
		October	0.7	-	31	15.5	86.1	57.8	-	8.1	-	3.5	4.1
		November	1.1	-	27.6	11.9	92.1	56.4	-	7.3	-	2.5	2.5
		December	0	-	25.1	9.3	93.6	60.8	-	6.3	-	2.2	1.9
13	Peddapuram	July	328.6	-	-	-	-	-	-	-	-	-	-
		August	208.7	-	-	-	-	-	-	-	-	-	-
		September	173	-	-	-	-	-	-	-	-	-	-
		October	58.7	-	-	-	-	-	-	-	-	-	-
14	Rahuri	January	0	0	29	11.1	62.7	31.8	-	8.5	-	4.2	0.4
		February	0	0	32.5	14.8	55.7	25.2	-	8.4	-	5.7	1
		March	0	0	35.2	17.9	44	19.8	-	7.8	-	7.1	1.6
		April	0	0	38.8	20.5	38.3	18.1	-	9.6	-	10.7	2.6
		May	8.7	0.3	39.4	24.6	43.2	22.9	-	8.7	-	11.1	4.4
		June	26.7	1	33.9	24.1	65.7	49.1	-	4.8	-	5.7	7.1
		July	8.9	0.6	29.8	23	75.9	61.8	-	2.2	-	4.4	7.4
		August	22.3	1	28.8	22	77.6	67.5	-	2.5	-	4	5
		September	0	0	32.1	20.9	70.9	48.2	-	7	-	5.6	2.2
		October	0	0	33.5	18	55.3	34.3	-	8.5	-	6.6	1.3
		November	0	0	31.9	14.4	54.3	34.6	-	8.8	-	5.9	0.9
		December	0	0	28.2	11.1	57.6	33.6	-	8.3	-	4.7	0.6
15	Sabour	June	30.2	-	35.6	25.2	85.1	60.4	-	5.7	-	4.9	6.7

		July	44.1	-	33.6	24.9	89.2	72.6	-	4.7	-	2.7	7.3
		August	55.4	-	32.8	25.3	88.6	75.7	-	4.8	-	2.4	5.5
		September	16.6	-	33.1	24.7	86	74.8	-	6.4	-	3.5	5.2
		October	2.7	-	31.3	20	89.6	73.5	-	6.3	-	2.5	2.6
		November	0	-	30	13.7	89.5	62.4	-	5.8	-	1.2	2
		December	0	-	27.1	9.4	85.9	52.6	-	4	-	1	1.7
16	Udaipur	January	0	-	25.9	6.5	87.5	36.9	-	8.3	-	2.8	1.9
		February	0	-	28.6	9.8	78.1	31.9	-	7.9	-	3.9	2.3
		March	0	-	33.7	13.7	54.7	18.6	-	7.5	-	6.2	3.5
		April	0.1	-	37.8	19.4	40.6	17.4	-	7.7	-	9.3	4.7
		May	0	-	40.4	25	39.2	17.5	-	8.3	-	11.8	6.1
		June	3.2	-	36.9	25.3	61.7	41.6	-	5.6	-	9.7	7.9
		July	7.6	-	30.5	23.3	84.1	72.8	-	1.8	-	3.9	5.3
		August	7.6	-	30.5	23.3	84.1	72.8	-	1.8	-	3.9	5.3
		September	2.5	-	29.8	20.1	82	57.6	-	4.8	-	3.7	3.5
		October	0	-	33.8	15.4	67.2	30.6	-	8.2	-	4.3	1.7
		November	0	-	30.5	10.7	67.7	25.1	-	8.2	-	3.6	1.2
		December	0	-	24.5	5.8	78.7	28	-	7.5	-	2.7	1.5

ENTOMOLOGY

Trial No	Title	Table No
	Executive summary	**E1-3**
ET 1	Evaluation of maize AICRP entries against spotted stem borer, *Chilo partellus* (Swinhoe) under artificial infestation for AVT I and II at Karnal, Ludhiana, Dholi, Hyderabad, Kolhapur and Udaipur during *Kharif* 2018	
	Zone wise summary of AICRP entries for resistance against *C. partellus* in early, medium and late maturity group during *Kharif*, 2018	**E-4**
	Zone wise summary of maize AICRP entries for resistance against *C. partellus* in QPM, rainfed and specialty corn group during *Kharif,* 2018	**E-5**
	Screening of maize AICRP entries of early season maturity (AVT I & AVT II) group at North West Plain Zone against *C. partellus* during *Kharif*, 2018	**E-6**
	Screening of maize AICRP entries of early season maturity (AVT I & AVT II) group at North East Plain Zone against *C. partellus* during *Kharif*, 2018	**E-6**
	Screening of maize AICRP entries of early season maturity (AVT I & AVT II) group at Peninsular Zone against *C. partellus* during *Kharif,* 2018	**E-7**
	Screening of maize AICRP entries of early season maturity (AVT I & AVT II) group at Central Western Zone against *C. partellus* during *Kharif*, 2018	**E-7**
	Screening of maize AICRP entries of medium season maturity (AVT I & AVT II) group at North West Plain Zone against *C. partellus* during *Kharif,* 2018	**E-8**
	Screening of maize AICRP entries of medium season maturity (AVT I & AVT II) group at North East Plain Zone against *C. partellus* during *Kharif*, 2018	**E-8**
	Screening of maize AICRP entries of medium season maturity (AVT I & AVT II) group at Peninsular Zone against *C. partellus* during *Kharif,* 2018	**E-9**
	Screening of maize AICRP entries of medium season maturity (AVT I & AVT II) group at Central Western Zone against *C. partellus* during *Kharif*, 2018	**E-9**
	Screening of maize AICRP entries of late season maturity group (AVT I & AVTII) at North West Plain Zone against *C. partellus* during *Kharif*, 2018	**E-10**
	Screening of maize AICRP entries of late season maturity group (AVT I & AVTII) at North East Plain Zone against *C. partellus* during *Kharif*, 2018	**E-11**
	Screening of maize AICRP entries of late season maturity group (AVT I & AVTII) at Peninsular Zone against *C. partellus* during *Kharif,* 2018	**E-12**
	Screening of maize AICRP entries of late season maturity group (AVT I & AVTII) at Central Western Zone against *C. partellus* during *Kharif,* 2018	**E-12**
	Screening of maize AICRP entries of QPM-I-II-III group at North West Plain Zone against *C. partellus* during *Kharif,* 2018	**E-13**
	Screening of maize AICRP entries of QPM-I-II-III group at North East Plain Zone against *C. partellus* during *Kharif,* 2018	**E-14**
	Screening of maize AICRP entries of QPM-I-II-III group at Peninsular Zone against *C. partellus* during *Kharif*, 2018	**E-15**
	Screening of maize AICRP entries of QPM-I-II-III group at Central Western Zone against *C. partellus* during *Kharif*, 2018	**E-16**
	Screening of maize AICRP entries of Pop Corn-I-II-III group against *C. partellus* during *Kharif,* 2018	**E-17**
	Screening of maize AICRP entries of Baby Corn-I-II-III group against *C. partellus* during *Kharif,* 2018	**E-18**
	Screening of maize AICRP entries of Sweet Corn group against *C. partellus* during *Kharif,* 2018	**E-19**
	Screening of maize AICRP entries of Rainfed-I-II-III at Central Western and	**E-20**

	Peninsular Zone against *C. partellus* during *Kharif,* 2018	
ET2	Evaluation of inbred lines against *C. partellus* under artificial infestation at Karnal, Ludhiana Dholi, Kolhapur, Hyderabad and Udaipur during *Kharif* ,2018 (1st year)	**E-21**
ET3	Monitoring of *Helicoverpa armigera* (Hubner) by pheromone traps (Kharif & Spring) at Delhi, Karnal, Ludhiana, Udaipur, Hyderabad, Kolhapur, Coimbatore and Imphal	**E-23**
ET 4	Evaluation of bio-pesticides against *C. partellus* at Delhi, Karnal, Ludhiana, Kolhapur, Hyderabad, and Udaipur (3rd Year)	
	a. Efficacy of Bio-pesticides against *C. partellus* in terms of Leaf Injury Rating (LIR) during *Kharif,* 2018	**E-24**
	b. Efficacy of Bio-pesticides against *C. partellus* in terms of grain yield (q/ha) during *Kharif,* 2018	**E-25**
ET 5	Study on incidence of spotted stem borer, *Chilo partellus* (Swinhoe) in *Kharif* sown maize in relation to plant age and meteorological factors (2nd year)	
	Population dynamics of *C. partellus* in *Kharif* maize at Ludhiana	**E-26**
	Population dynamics of *C. partellus* in *Kharif* maize at Karnal	**E-27**
	Population dynamics of *C. partellus* in *Kharif* maize at Udaipur	**E-28**
	Population dynamics of *C. partellus* in *Kharif* maize at Hyderabad	**E-29**
	Population dynamics of *C. partellus* in *Kharif* maize at Imphal	**E-30**
ET 6	Study on pest succession of insect pests in *Kharif*	
	Incidence of fall armyworm *Spodoptera frugiperda* (J.E.Smith) during *Kharif* 2018 at Coimbatore	**E-31**
	Incidence of *Spodoptera frugiperda* during *Kharif* 2018 at Hyderabad	**E-32**
	Incidence of *Spodoptera frugiperda* during *Kharif* 2018 at Kolhapur	**E-32**

ABBREVIATIONS USED

AVT- Advanced Varietal Trial
CV- Coefficient of variation
CD- Critical Difference
DAG- Days After Germination
DAI - Days After Infestation
EC - Emulsifiable Concentrate
LIR - Leaf Injury Rating
R - Resistant
MR - Moderately Resistant
S - Susceptible
SC - Suspension Concentrate
SD - Standard Deviation
SL-Soluble (liquid) Concentrate
NG - No Germination
WG - Wettable Granules
M-Mean

Executive Summary

ET1. Evaluation of AICRP entries against stem borers under artificial infestation

During *Kharif* 2018, a total of nine AICRP trials belonging to early, medium, late maturity group, QPM , pop corn , baby corn, sweet corn , rainfed and inbreds were evaluated against *Chilo partellus* (Swinhoe) under artificial infestation. A total of 91 entries in NEPZ, 103 in NWPZ, 135 in PZ and 122 in CWZ and 40 inbred lines were evaluated against *C. partellus* in these four zones respectively. AICRP locations- North West Plain Zone (NWPZ) was represented by Karnal and Ludhiana, North East Plain Zone (NEPZ) by Dholi, Peninsular Zone (PZ) by Kolhapur, Hyderabad and Central Western Zone (CWZ) was represented by Udaipur.
The entries were sown in two rows of 3 m each. Sixteen seeds were sown and, twelve plants were retained in each row ten days after germination. When the plants were 12-14 days-old 10-12 black-headed eggs of *C. partellus* laid on butter paper were pinned in the whorl. The eggs hatched within few hours and the neonate larvae nibbled on the leaves and found their way in the leaf and later into stem. The plants were observed 35 days after infestation for level of infestation by recording the leaf injury rating on 1-9 scale.

LIR	Plant Symptoms
1	Plants showing no infestation symptom
2	1-2 leaves with pinholes
3	3-4 leaves with holes
4	1/3 leaves showing infestation symptoms
5	Half the number of the leaves with infestation symptoms
6	2/3 leaves with infestation symptoms and the holes becoming windows
7	Leaves with long window and plant growth is stunted
8	Almost all leaves displaying heavy infestation and plant growth is stunted
9	Dead heart formation observed

The resistant, moderately resistant and susceptible entries are defined by LIR 1-3, >3-6 and >6-9 respectively.

Different maturity groups: The following entries registered resistant reaction against *C. partellus.*

- *Early Maturity group*: Out of 7 entries of early maturity group screened under artificial infestation against *C. partellus*, none of the entries were found resistant at North West Plain Zone and Peninsular Zone. Two entries, BIO 605 (3.00) and JH 31947 (2.87) were found resistant against *C. partellus* at North East Plain Zone. Only one entry DKC 7074 (2.90) was found resistant at Central Western Zone.
- *Medium Maturity group*: Out of 13 entries of medium maturity group screened under artificial infestation against *C. partellus*, none of the entries were found resistant at North West Plain Zone and Peninsular Zone. Only one entry Bio 9544 (2.83) was found resistant against *C. partellus* at North East Plain Zone. Two entries J1006 (3.00) and RCRMH-2(2.80) were found resistant at Central Western Zone.
- *Late Maturity group*: Out of 24 entries of late maturity group screened under artificial infestation against *C. partellus*, none of the entries were resistant at North West Plain Zone. Out of 15 entries screened at North East Plain Zone, one entry CP 858 (3.0) was found resistant. At Peninsular zone, out of 13 genotypes screened, none of the entries were found resistant against *C. partellus* while two entries CMH 08-287 (2.8) and J 1006 (3.0) were found resistant at Central Western Zone.
- *QPM:* Out of 24 QPM entries evaluated, none of the entries were found to be resistant at North West Plain Zone. At North East Plain Zone, out of 22 entries screened against *C. partellus* one entry APH2 (2.6) was found resistant. Only one entry IIMRQPMH 1705 (2.15) was found to be resistant at Central Western Zone. None of the entries were found resistant at Peninsular Zone.

- *Rainfed:* Out of 35 entries evaluated, four entries RCRMH10 (CAH174) (2.9), ADH 1608 (2.8), AH 8178 (2.9), CMH 08292) (3.0) were found resistant at Central Western Zone. None of the entries were found resistant at Peninsular Zone (Hyderabad).
- ***Corn:***
- *Pop Corn:* Among 12 pop corn entries evaluated, none of the entries were found resistant at North West Plain Zone, North East Plain Zone, Peninsular Zone and Central Western Zone.
- *Baby Corn*: Out of 13 baby corn entries evaluated, none of the entries were found resistant at North West Plain Zone, North East Plain Zone, Peninsular Zone and Central Western Zone.
- *Sweet Corn*: Out of 13 sweet corn entries evaluated against *C. partellus*, none of the entries were found resistant at North West Plain Zone, Peninsular Zone and Central Western Zone. Only one entry, DSCH-320 (2.60) was found resistant at North East Plain Zone.

***ET 2: Evaluation of inbred lines against Chilo partellus* (Swinhoe) *under artificial infestation-Karnal, Ludhiana, Dholi, Hyderabad, Kolhapur and Udaipur infestation* (1st year)**

Out of 40 inbred lines screened against *C. partellus*, the following lines DMRE63/CML287-2-38-4B (3.0), DMRE63/CML287-2-43-2B (2.92), DMRE63/CML287-3-66-3B (3.00), DMRE63/CML287-3-12-3B (3.0), DMRE63/CML287-4-51-8B (2.88), DMRE63/CML287-4-58-2B (2.88), 56261 (2.84) were found to be resistant at Karnal centre. None of the lines recorded LIR less than 3.00 at Ludhiana, Dholi and Hyderabad centres. The following lines DMRE63/CML287-2-87-3B (2.30), DMRE63/CML287-4-58-2B (3.00), DMRE63/CML287-4-10-3B (2.60), DMRE 63 (2.90), CM 500 (2.70), BML 6 (3.00), DMRE63/CML287-2-1-1B (2.5) were found resistant at Kolhapur centre. Inbred lines DMRE63/CML287-1-4-33-2B (2.85), DMRE63/CML 287-3-85-3B (2.70), CM 400 (2.95), DMRE63/CML287-2-1-1B (2.5) were found resistant at Udaipur centre.

ET 3. Monitoring of *Helicoverpa armigera* (Hubner) by pheromone traps (Kharif & Spring) at Udaipur, Delhi, Karnal, Ludhiana, Hyderabad, Kolhapur, Coimbatore, Dholi and Imphal

The population of *Helicoverpa armigera* was monitored from pre-tasseling to harvesting stage in maize by installing pheromone traps @ 4 traps/ac during Spring and *Kharif* 2018 in Ludhiana and *Kharif* 2018 in locations *viz.,* Delhi, Udaipur, Karnal, Hyderabad, Kolhapur, Coimbatore, Dholi and Imphal. Maximum catch of 33.25 moths/ trap was recorded during third week of September in Delhi followed by 28.17 moths/ trap during last week of April in Ludhiana and 23.25 moths/ trap during third week of August in Imphal. The maximum moths caught/ trap in other locations were 6.5 (Hyderabad-October last week), 5.5 (Karnal-September second week), 3.25 (Dholi, October third week), 3 (Udaipur-September first week) and 2.88 (Coimbatore, October second week). No moths were caught in *Kharif* maize in Kolhapur and Ludhiana.

***ET4. Evaluation of bio-pesticides against C. partellus at Delhi, Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (*3rd Year)**

The efficacy of three *Beauveria bassiana* isolates Bb-5a, Bb-23, Bb-45 and one *Metarhizium* isolate Ma-35; *Bt* formulation (Delfin 5G), neem formulation and chlorantraniliprole 18.5 SC along with state recommended insecticides were evaluated against *C. partellus* at AICRP centres during *Kharif* 2018. State recommended insecticides (LIR-2.88) followed by chlorantraniliprole 18.5 SC (LIR-3.48) were found to be the most effective based on leaf injury rating observed at 35 days after infestation while chlorantraniliprole 18.5 SC (59.34 q/ha) followed by state recommended insecticide (52.32 q/ha) resulted in maximum yield return as compared to control. *Bt* formulation followed by neem based insecticide was found moderately effective with leaf injury rating of 3.66, 4.51 and maximum yield return of 46.57 q/ha, 45.02 q/ha, respectively.

***ET 5.* Study on incidence of spotted stem borer, *Chilo partellus* in Kharif sown maize in relation to plant age and meteorological factors**

The population dynamics of *C. partellus* was monitored in two genotypes during kharif 2018 at five different locations. The infested plants were recorded at weekly interval and then dissected to observe the number of larvae present. Therefore crop age wise observation was based on the existing number of plants in each week and total infestation and total number of larvae was based on the initial plant population.

In Ludhiana, highest infestation (28.18 %) observed in Parkash and maximum number of larvae (2.8/per plant) was recorded in PMH-1 in crops established in second and fourth week of June respectively. In Karnal, highest infestation (53.33%) and maximum number of larvae (5.46/plant) was recorded HQPM 1, in crops established in third and second week of July respectively. In Udaipur, highest infestation (52.31%) and maximum number of larvae (1.33/plant) was recorded in Pratap QPM, in crops established in third week of July and fourth week of August respectively. In Hyderabad, highest infestation (98.92%) and maximum number of larvae (0.49/plant) was recorded in CM 400 and CM 500 respectively, in crops established in second week of July. In Imphal, highest infestation (28.00%) and maximum number of larvae (2.67/plant) was recorded in CM 400, in crops established in fourth and third week of July respectively. Generally, a decrease in infestation was noticed after 21 days of crop growth except in Hyderabad, where the crop damage was recorded at later stage was due to fall armyworm infestation. No *C. partellus* infestation was recorded in Coimbatore and Kolhapur in *Kharif* maize, where FAW was reported.

ET 6. Study on pest succession of insect pests in *Kharif*, *Rabi* and *Spring* sown maize

The incidence of fall armyworm (FAW) was monitored in maize genotypes during *Kharif* 2018 at three different locations. In Coimbatore, FAW was reported in the first week of September and highest infestation (33.33 %) observed in N 53 in crops established in first and second week of October. Maximum average number of larvae (2.25/per plant) was recorded in UMI 1230, where ~2larvae/ infested plant was recorded consistently throughout the cropping interval in Coimbatore. The maximum FAW infestation of 58.20%, 35.00% was observed in BML6 and CM 500, respectively during third week of August in Hyderabad. FAW was first observed during second week of July (12.67%) and the maximum infestation (100%) was observed during August in Kolhapur.

ET 1: Evaluation of maize AICRP entries against *Chilo partellus* (Swinhoe) under artificial infestation for AVT I and II

Table 1: Zone wise summary of AICRP trials for resistance against *C. partellus* in early, medium and late maturity group during *Kharif,* 2018

Level of susceptibility	Early Maturity	Medium maturity	Late maturity
		AVT I & AVT II	AVT I & AVT II
	North West Plain Zone		
Resistant	0	0	0
Moderately Resistant	7	13	24
Susceptible	0	0	0
		North East Plain Zone	
Resistant	2	1	1
Moderately Resistant	5	7	14
Susceptible	0	0	0
		Peninsular Zone	
Resistant	0	0	0
Moderately Resistant	5	11	10
Susceptible	2	2	3
		Central Western Zone	
Resistant	1	2	2
Moderately Resistant	9	10	10
Susceptible	0	0	1

(The figures indicate number of entries)

Table 2: Zone wise summary of maize AICRP trials for resistance against *C. partellus* in QPM, rainfed and specialty corn group and during *Kharif*, 2018

Level of susceptibility	QPM	Rainfed	Pop corn	Baby corn	Sweet corn
North West Plain Zone					
Resistant	0	-	0	0	0
Moderately Resistant	24	-	12	13	13
Susceptible	0	-	0	0	0
North East Plain Zone					
Resistant	1	-	0	0	1
Moderately Resistant	17	-	12	12	11
Susceptible	3	-	0	0	1
Peninsular Zone					
Resistant	0	0	0	0	0
Moderately Resistant	15	26	9	13	10
Susceptible	13	9	3	0	3
Central Western Zone					
Resistant	1	4	0	0	0
Moderately Resistant	18	30	12	12	13
Susceptible	3	1	0	1	0

(The figures indicate number of entries)

ET 1: Evaluation of maize AICRP trails under artificial infestation for AVT I and II

Table 3. Screening of maize AICRP entries of Early Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 459, North West Plain Zone, Locations: Karnal & Ludhiana

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		North West Plain Zone		
		Karnal	Ludhiana	Over all Mean
1	AH 7080	5.03	5.26	5.15
2	BIO 605	3.28	3.99	3.64
3	BML 6 (CHECK)	3.42	4.81	4.12
4	CM 500 (R CHECK)	3.53	4.42	3.98
5	DKC 7074	3.17	3.71	3.44
6	JH 31983	**2.97**	4.89	3.93
7	PMH 5	3.44	4.67	4.06
	Location Mean	3.55	4.54	
	CV (%)	23.16	17.65	
	CD (5%)	1.46	1.42	
	CD (1%)	2.05	2.0	

Table 4. Screening of maize AICRP entries of Early Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 461, North East Plain Zone, Location: Dholi

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		North East Plain Zone-Dholi
1	BIO 605	**3.00**
2	BML 6 (CHECK)	3.47
3	CM 500 (R CHECK)	4.43
4	DHM 117 (FILLER)	3.67
5	DKC 7074	3.50
6	JH 31947	**2.87**
7	PMH 5	3.03
	Location Mean	3.42
	CV (%)	25.33
	CD (5%)	1.54
	CD (1%)	2.16

Table 5. Screening of maize AICRP entries of Early Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 463, Peninsular Zone, Locations: Hyderabad & Kolhapur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		Peninsular Zone		
		Hyderabad	Kolhapur	Overall Mean
1	BIO 605	6.10	5.49	5.79
2	BML 6 (CHECK)	6.43	5.44	5.93
3	CM 500 (R CHECK)	5.87	8.17	7.02
4	DHM 117 (FILLER)	5.67	3.51	4.59
5	DKC 7074	5.70	4.78	5.24
6	JH 31947	5.60	5.14	5.37
7	PMH 5	5.97	7.21	6.59
	Location Mean	5.90	5.68	
	CV (%)	9.95	**34.65**	
	CD (5%)	1.04	3.5	
	CD (1%)	1.46	4.91	

Table 6. Screening of maize AICRP entries of Early Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 465, Central Western Zone, Location: Udaipur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		Central Western Zone-Udaipur
1	BIO 605	4.97
2	BML 6 (CHECK)	4.80
3	CM 500 (R CHECK)	4.67
4	DH-313	4.50
5	DKC 7074	**2.90**
6	EH2891	3.03
7	FH-3823	4.50
8	JH 31947	4.80
9	JH 32010	4.97
10	PMH 5	5.07
	Location Mean	4.42
	CV (%)	**41.23**
	CD (5%)	3.13
	CD (1%)	4.28

Table 7. Screening of maize AICRP entries of Medium Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 468, North West Plain Zone, Locations: Karnal & Ludhiana

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		North West Plain Zone		
		Karnal	Ludhiana	Over all Mean
1	AH 1606	**2.92**	4.18	3.55
2	BH415100	3.46	4.38	3.92
3	BLH118	3.08	6.47	4.77
4	BML 6 (C)	3.67	3.95	3.81
5	Bio 9544 (C)	3.29	5.14	4.21
6	CM 500 (R CHECK)	4.83	6.93	5.88
7	CMH-08-292 (C)	3.42	4.69	4.05
8	DHM 121 (C)	3.42	5.82	4.62
9	IMHBG-17K-22	3.08	5.08	4.08
10	IMHBG-17K-6	3.75	4.38	4.06
11	JH 16045	3.42	5.68	4.55
12	JKMH4157	3.42	5.09	4.25
13	NMH 4053	3.17	4.87	4.02
	Location Mean	3.46	5.12	
	CV (%)	17.38	25.69	
	CD (5%)	1.31	2.87	
	CD (1%)	1.83	4.02	

Table 8. Screening of maize AICRP entries of Medium Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 470, North East Plain Zone, Location: Dholi

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		North East Plain Zone-Dholi
1	BML 6 (C)	3.73
2	Bio 9544 (C)	**2.83**
3	CM 500 (R CHECK)	3.40
4	CMH 08-292 (C)	3.80
5	DHM 121 (C)	3.47
6	DKC8174(IQ8319)	4.03
7	JKMH15303	3.73
8	LMH 1017	5.33
	Location Mean	3.79
	CV (%)	27.04
	CD (5%)	1.8
	CD (1%)	2.49

Table 9. Screening of maize AICRP entries of Medium Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 472, Peninsular Zone, Locations: Hyderabad & Kolhapur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		Peninsular Zone		
		Hyderabad	Kolhapur	Overall Mean
1	ADV 140187	6.45	4.80	5.62
2	ADV 140235	5.60	4.33	4.96
3	BLH118	6.00	4.78	5.39
4	BML 6 (C)	6.90	4.93	5.91
5	Bio 9544 (C)	6.4	5.37	5.88
6	CM 500 (R CHECK)	6.10	4.82	5.46
7	CMH 08-292 (C)	6.35	5.71	6.03
8	DHM 117 (FILLER)	6.35	3.71	5.03
9	DHM 121 (C)	6.15	3.23	4.69
10	DKC9179(IQ8627)	6.20	5.40	5.8
11	INDAM 1122	5.45	7.98	6.71
12	JKMH15303	5.50	4.31	4.90
13	NMH-4053	5.65	5.25	5.45
	Location Mean	6.08	4.97	
	CV (%)	13.38	**42.51**	
	CD (5%)	1.77	4.6	
	CD (1%)	2.49	6.45	

Table 10. Screening of maize AICRP entries of Medium Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 474, Central Western Zone, Location: Udaipur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		Central Western Zone-Udaipur
1	BLH118	4.95
2	BML 6 (C)	**2.55**
3	Bio 9544 (C)	4.70
4	CM 500 (R CHECK)	4.25
5	CMH 08-292 (C)	5.70
6	DHM 117 (FILLER)	3.85
7	DHM 121 (C)	3.40
8	DKC8174(IQ8319)	3.30
9	DKC9179(IQ8627)	4.45
10	EH-2906	5.85
11	J 1006 (FILLER)	**3.00**
12	JKMH1414	4.30
13	RCRMH-2	**2.80**
	Location Mean	4.08
	CV	**33.98**
	CD (5%)	3.02
	CD (1%)	4.24

Table 11. Screening of maize AICRP entries of Late Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial-476, North West Plain Zone, Locations: Karnal & Ludhiana

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		North West Plain Zone		
		Karnal	Ludhiana	Overall Mean
1	ADV1390164	3.13	5.66	4.40
2	B-57	3.21	5.53	4.37
3	BIO 218	3.04	5.22	4.13
4	BIO 9682 (C)	3.33	5.61	4.47
5	BML 6 (C)	6.21	5.71	5.96
6	CM 500 (R CHECK)	3.67	5.89	4.78
7	CMH 08-282 (C)	**2.96**	6.42	4.69
8	CMH 08-287 (C)	**3.00**	6.28	4.64
9	CP 858	3.25	5.97	4.61
10	CP777	3.17	5.26	4.22
11	DKC 9178	3.13	5.42	4.28
12	DKC9185(IR8449)	3.38	5.71	4.55
13	HT17169	3.33	5.34	4.34
14	JH 13278	3.50	6.05	4.78
15	JH 15011	4.71	5.45	5.08
16	JH 15130	3.29	4.35	3.82
17	JH 16040	3.04	4.47	3.76
18	JH 16041	3.08	5.46	4.27
19	JH 16081	3.08	6.04	4.56
20	JKMH150375	**2.88**	6.12	4.50
21	JKMH4152	3.46	5.39	4.43
22	KMH-463	3.46	5.80	4.63
23	PM16103L	3.29	5.60	4.45
24	SUPER1818	**3.00**	5.26	4.13
	Location Mean	3.40	5.50	
	CV	14.64	11.63	
	CD (5%)	1.03	1.34	
	CD (1%)	1.4	1.82	

Table 12. Screening of maize AICRP entries of Late Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 478, North East Plain Zone, Location: Dholi

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		North East Plain Zone-Dholi
1	AH 8183	4.50
2	BIO 218	5.80
3	BIO 9682 (C)	4.15
4	BML 6 (C)	4.00
5	CM 500 (R CHECK)	4.70
6	CMH 08-282 (C)	4.10
7	CMH 08-287 (C)	3.80
8	CP 858	**3.00**
9	DKC 9185 (IR8449)	4.40
10	DKC 9189 (IR8545)	3.60
11	JH 16041	4.30
12	JH 16081	4.20
13	JH 16118	5.10
14	JH 16209	3.70
15	RASI 3499	4.35
	Location Mean	4.25
	CV	13.95
	CD (5%)	1.27
	CD (1%)	1.76

Table 13. Screening of maize AICRP entries of Late Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 480, Peninsular Zone, Locations: Hyderabad & Kolhapur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		Peninsular Zone		
		Hyderabad	Kolhapur	Overall Mean
1	ADV 1390064	5.65	7.25	6.45
2	BIO 716	5.15	**2.50**	3.83
3	BIO 9682 (C)	5.95	7.75	6.85
4	BML 6 (C)	6.35	8.00	7.18
5	CM 500 (R CHECK)	5.85	5.53	5.69
6	CMH 08-282 (C)	6.50	3.96	5.23
7	CMH 08-287 (C)	5.95	5.90	5.93
8	DHM 117 (FILLER)	6.30	3.97	5.14
9	DKC 9178	5.60	6.13	5.87
10	DKC 9185 (IR8449)	6.30	5.14	5.72
11	JH 15130	6.45	3.88	5.17
12	JH 15135	6.20	3.50	4.85
13	JKMH 150375	6.20	3.50	4.85
	Location Mean	6.00	5.10	
	CV	9.45	**31.38**	
	CD (5%)	1.24	3.52	
	CD (1%)	1.74	4.94	

Table 14. Screening of maize AICRP entries of Late Season Maturity (AVT I & AVT II) group against *C. partellus* during Kharif, 2018

Trial 482, Central Western Zone, Location: Udaipur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		Central Western Zone-Udaipur
1	BIO 218	5.20
2	BIO 9682 (C)	3.70
3	BML 6 (C)	4.75
4	CM 500 (R CHECK)	5.15
5	CMH 08-282 (C)	3.10
6	CMH 08-287 (C)	**2.85**
7	DHM 117 (FILLER)	4.35
8	DKC9185(IR8449)	3.30
9	HT17169	4.40
10	J 1006 (FILLER)	**3.00**
11	JH 16040	6.35
12	JH 16081	4.50
13	SUPER1818	4.40
	Location Mean	4.20
	CV	25.63
	CD (5%)	2.36
	CD (1%)	3.32

Table 15. Screening of maize AICRP entries of QPM-I-II-III group against *C. partellus* during Kharif, 2018

Trial 485, North West Plain Zone, Locations: Karnal & Ludhiana

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		North West Plain Zone		
		Karnal	Ludhiana	Over all Mean
1	APH 2	3.54	4.53	4.04
2	APQH 9 (C)	4.04	4.47	4.26
3	APQH1(QPM+PRO-A)	3.17	5.69	4.43
4	APQH5(QPM+PRO-A)	3.71	5.23	4.47
5	BML 6 (C)	3.75	5.31	4.53
6	CM 500 (R CHECK)	5.13	5.52	5.33
7	EHQ-64	3.67	5.28	4.48
8	EHQ-640	3.38	4.74	4.06
9	FQH-140	5.08	4.67	4.88
10	FQH-148	3.83	4.07	3.95
11	HQPM 5 (C)	3.67	5.09	4.38
12	HQPM I (C)	3.71	4.73	4.22
13	IIMRQPMH 1601	3.42	4.4	3.91
14	IIMRQPMH 1708	3.42	6.17	4.80
15	IQPMH-18-1	3.67	5.23	4.45
16	IQPMH-18-2	3.58	5.50	4.54
17	IQPMH-18-3	4.54	5.77	5.16
18	IQPMH-18-4	4.00	5.20	4.60
19	IQPMH-18-5	4.21	4.64	4.43
20	KDQH-55(CAH1824)	3.00	4.22	3.61
21	Pratap QPM Hybrid 1 (C)	3.92	5.37	4.65
22	QPMMH 27	3.58	5.56	4.57
23	QPMMH-41	3.63	4.77	4.20
24	QQPMH-14153	3.50	4.20	3.85
	Location Mean	3.80	5.01	
	CV	22.77	20.8	
	CD (5%)	1.79	2.16	
	CD (1%)	2.43	2.93	

Table 16. Screening of maize AICRP entries of QPM-I-II-III group against *C. partellus* during Kharif, 2018

Trial 487, North East Plain Zone, Location: Dholi

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		North East Plain Zone-Dholi
1	APH1	3.55
2	APH2	**2.65**
3	APH27(PRO-A)	5.30
4	APQH 9 (C)	5.25
5	APQH1(QPM+PRO-A)	3.60
6	APQH5(QPM+PRO-A)	4.05
7	BML 6 (C)	**2.65**
8	CM 500 (R CHECK)	4.90
9	EHQ-640	5.40
10	FQH-140	3.90
11	FQH-148	6.65
12	HQPM 5 (C)	4.90
13	IQPMH-18-1	4.30
14	IQPMH-18-2	4.20
15	IQPMH-18-3	4.50
16	IQPMH-18-4	3.60
17	IQPMH-18-5	6.10
18	KDQH-55(CAH1824)	4.50
19	Pratap QPM Hybrid 1 (C)	6.10
20	QPMMH-41	5.60
21	QQPMH-14153	3.90
22	Vivek hybrid 27 (C)	4.85
	Location Mean	4.50
	CV	23.78
	CD (5%)	2.26
	CD (1%)	3.07

Table 17. Screening of maize AICRP entries of QPM-I-II-III group against *C. partellus* during Kharif, 2018

Trial 490, Peninsular Zone, Locations: Hyderabad & Kolhapur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)		
		Peninsular Zone		
		Hyderabad	Kolhapur	Over all Mean
1	EHQ-640	5.65	4.89	5.27
2	KDQH-55 (CAH1824)	6.10	5.93	6.01
3	QPMMH-41	5.60	3.88	4.74
4	APQH5(QPM+PRO-A)	6.90	6.54	6.72
5	APQH7(QPM+PRO-A)	6.60	5.85	6.22
6	APH27(PRO-A)	6.20	4.70	5.45
7	APQH1(QPM+PRO-A)	6.55	3.19	4.87
8	FQH-140	6.20	5.36	5.78
9	FQH-148	5.85	4.29	5.07
10	QQPMH-14153	7.20	8.13	7.66
11	QQPMH-14191	5.45	6.11	5.78
12	APH 1	5.70	5.06	5.38
13	APH 2	7.20	5.67	6.43
14	IQPMH-18-1	6.85	6.00	6.42
15	IQPMH-18-2	6.50	6.38	6.44
16	IQPMH-18-3	5.70	5.40	5.55
17	IQPMH-18-4	4.75	3.56	4.15
18	IQPMH-18-5	6.25	5.81	6.03
19	APQH 8(QPM+PRO A)	6.25	6.39	6.32
20	HQPM 1(C)	6.35	8.10	7.22
21	HQPM 5 (C)	7.10	8.23	7.66
22	HQPM 7 (C)	5.95	4.93	5.44
23	Pratap QPM Hybrid 1 (C)	6.40	4.57	5.48
24	Vivek hybrid 27 (C)	5.95	3.33	4.64
25	APQH 9 (C)	6.45	3.83	5.14
26	Pusa HM 8 (C)	6.40	7.21	6.80
27	CM 500 (R CHECK)	5.70	6.75	6.22
28	BML6 (C)	5.95	5.50	5.72
	Location Mean	6.21	5.56	
	CV	10.13	28.77	
	CD (5%)	1.29	3.28	
	CD (1%)	1.74	4.43	

Table 18.Screening of maize AICRP entries of QPM-I-II-III group against *C. partellus* during *Kharif*, 2018

Trial 492, Central Western Zone, Location: Udaipur

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)
		Central Western Zone-Udaipur
1	APH2	3.65
2	APQH 9 (C)	4.80
3	APQH1(QPM+PRO-A)	5.90
4	APQH5(QPM+PRO-A)	3.95
5	EHQ-640	4.75
6	FQH-140	3.70
7	FQH-148	4.50
8	HQPM 5 (C)	3.75
9	HQPM I (C)	3.60
10	IIMRQPMH 1705	**2.15**
11	IQPMH-18-1	3.20
12	IQPMH-18-2	5.25
13	IQPMH-18-3	4.40
14	IQPMH-18-4	3.75
15	IQPMH-18-5	3.20
16	KDQH-55(CAH1824)	6.25
17	LM 13 (C)	6.40
18	Pratap QPM Hybrid 1 (C)	5.05
19	QPMMH-41	4.10
20	QQPMH-14153	6.10
21	QQPMH-14191	4.45
22	SURYA (C)	4.05
	Location Mean	4.41
	CV(%)	42.49
	CD (5%)	-
	CD (1%)	-

Table 19. Screening of maize AICRP entries of Popcorn I-II-III group against *C. partellus* during Kharif, 2018

Trial 518, All Zones except Hill Zone. Locations: Karnal. Ludhiana, Dholi, Kolhapur, Hyderabad and Udaipur

E. No.	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	APCH 2	**2.83**	4.50	3.67	3.30	3.46	5.90	4.68	3.55	3.80
2	APCH 3	3.38	4.20	3.79	3.60	**3.00**	6.50	4.75	3.10	3.81
3	DHM 117 (FILLER)	3.63	3.75	3.69	4.60	**2.50**	6.05	4.28	3.10	3.92
4	DHM 121 (Filler)	3.25	4.04	3.65	4.00	8.00	6.55	7.28	4.10	4.76
5	DPCH-306 (Filler)	4.67	4.35	4.51	4.10	4.40	6.15	5.28	4.50	4.60
6	H 1012	4.75	5.24	5.00	4.50	3.94	5.95	4.95	5.00	4.86
7	IHPC-1201	3.96	4.6	4.28	4.80	6.32	6.30	6.31	4.85	5.06
8	IHPC-1203	3.25	4.59	3.92	3.90	**2.83**	5.85	4.34	4.30	4.12
9	CM 500(R CHECK)	3.63	5.62	4.63	4.30	8.23	6.15	7.19	4.30	5.10
10	REHPC2015-2 (Filler)	3.50	4.30	3.90	3.10	3.95	6.55	5.25	4.20	4.11
11	Shalimar pop corn(c)	3.04	4.05	3.55	5.20	4.67	6.00	5.34	3.45	4.38
12	VL Amber pop corn (c)	3.50	4.71	4.11	4.00	4.61	5.9	5.26	4.70	4.52
	Location Mean	3.60	4.40		4.00	4.40	6.20		4.00	
	CV	28.75	10.21		28.32	**30.18**	10.38		**31.95**	
	CD (5%)	2.31	0.99		2.52	2.95	1.4		2.8	
	CD (1%)	3.24	1.39		3.54	4.14	1.97		3.93	

Table 20. Screening of maize AICRP entries of Baby Corn-I-II-III group against *C. partellus* during Kharif, 2018
Trial 521, All Zones except Hill Zone. Locations: Karnal. Ludhiana, Dholi, Kolhapur, Hyderabad

E. No.	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	AH-5021	4.33	4.18	4.26	4.20	5.83	5.70	5.77	4.35	4.64
2	AH-7043	3.17	4.86	4.02	5.60	3.14	5.45	4.30	3.50	4.35
3	AH-7188	3.38	5.50	4.44	5.00	4.17	5.15	4.66	5.60	4.93
4	AH-7204	3.50	5.31	4.41	4.70	6.03	5.70	5.87	4.35	4.83
5	BML 6 (CHECK)	4.21	5.33	4.77	3.60	**2.83**	6.45	4.64	5.70	4.68
6	CM 500 (R CHECK)	4.92	4.86	4.89	4.00	-	5.65	5.65	3.85	4.60
7	DHM 117 (FILLER)	4.04	4.80	4.42	**2.70**	6.93	4.75	5.84	4.50	4.37
8	DHM 121 (FILLER)	3.63	5.54	4.59	4.70	3.11	5.15	4.13	6.10	4.88
9	LMH 3517	4.13	4.05	4.09	4.80	4.67	6.00	5.34	3.70	4.48
10	PAC321	5.33	4.00	4.67	5.20	4.25	5.15	4.70	3.75	4.58
11	PMH 2	5.04	5.09	5.07	4.10	**2.62**	5.90	4.26	3.65	4.27
12	VL Baby corn 2 (C)	4.37	4.16	4.27	4.10	**2.81**	5.95	4.38	4.45	4.30
13	WIN SYNTHETIC (FILLER)	4.42	4.67	4.55	5.60	.	.	-	5	5.05
	Location Mean	4.10	4.80		4.40	4.20	5.50		4.50	
	CV	21.88	10.95		23.65	29.82	9.03		**30.87**	
	CD (5%)	2	1.14		2.31	2.8	1.11		3.03	
	CD (1%)	2.8	1.6		3.24	3.99	1.57		4.24	

Table 21. Screening of maize AICRP entries of Sweet Corn group against *C. partellus* during Kharif, 2018

Trial 524, All Zones except Hill Zone. Locations: Karnal. Ludhiana, Dholi, Kolhapur, Hyderabad and Udaipur

E. No.	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)								
		North West Plain Zone			North East Plain Zone	Peninsular Zone			Central Western Zone	Over all Mean
		Karnal	Ludhiana	Mean	Dholi	Kolhapur	Hyderabad	Mean	Udaipur	
1	BIO 4043	4.75	5.45	5.10	6.00	6.00	5.50	5.75	5.10	5.45
2	BML 6 (C)	3.46	5.96	4.71	5.50	5.58	6.05	5.81	5.55	5.35
3	BSCH 416078	3.12	4.63	3.87	5.30	8.17	7.20	7.68	4.70	5.52
4	BSCH 416086	3.37	4.16	3.76	5.50	5.20	5.75	5.47	4.55	4.77
5	CM 500 (R CHECK)	6.13	4.77	5.45	5.60	**2.58**	5.95	4.26	3.95	4.83
6	DSCH-320	5.04	5.23	5.13	**2.60**	6.82	5.80	6.31	5.80	5.22
7	FSCH-119	3.75	4.54	4.14	5.05	4.07	5.40	4.73	4.55	4.56
8	Misthi (C)	**2.96**	4.42	3.69	6.20	4.95	5.75	5.35	4.50	4.80
9	NUZI 205	3.50	4.97	4.23	4.90	5.00	6.30	5.65	5.45	5.02
10	NUZI 260	3.46	4.06	3.76	4.60	4.50	5.70	5.10	3.10	4.24
11	SUGAR SWEET	3.29	5.12	4.20	5.60	3.29	5.05	4.17	3.40	4.29
12	TOP SWEET	3.04	3.89	3.46	5.10	5.42	4.90	5.16	3.15	4.25
13	VL SWEETCORN	4.13	5.01	4.57	5.40	6.67	5.45	6.06	4.8	5.2
	Location Mean	3.80	4.70	4.25	5.18	5.20	5.70	5.35	4.51	4.92
	CV	20.56	19.56		9.19	58.82	14.41		29.28	
	CD (5%)	1.72	2.04		1.45	6.73	1.81		2.88	
	CD (1%)	2.41	2.86		1.04	9.43	2.53		4.03	

Table 22. Screening of maize AICRP entries of rainfed-I-II-III group against *C. partellus* during Kharif, 2018

Trial 533, Locations: Hyderabad & Kolhapur (PZ) Udaipur (CWZ)

E. No.	Name of the entry	Mean Leaf Injury Rating (LIR on 1-9 scale)			
		Peninsular Zone			Central Western Zone Udaipur
		Hyderabad	Kolhapur	Mean	
1	ADH 1608	5.65	4.72	5.185	**2.80**
2	ADH 1619	7.05	6.94	6.995	4.30
3	ADH 1620	5.65	**2.71**	4.18	4.90
4	ADH 8070	7.25	6.26	6.755	5.60
5	ADH 8106	6.65	5.29	5.97	4.40
6	AH 8178	6.20	4.50	5.35	**2.90**
7	AH8127	6.25	6.57	6.41	4.75
8	BIO 605(C)	5.75	5.88	5.815	3.80
9	BIO 9544(C)	6.65	4.64	5.645	4.00
10	BIO 9682(C)	6.35	5.40	5.875	3.45
11	BML 6(C)	5.90	7.23	6.565	5.60
12	CAH1511	5.70	5.45	5.575	4.85
13	CM 500(R CHECK)	6.25	4.63	5.44	5.65
14	CMH 08 287(C)	6.50	5.77	6.135	3.40
15	CMH 08 292(C)	6.90	6.32	6.61	**3.00**
16	CMH 12 686	5.65	5.78	5.715	4.40
17	CMH 15-005	6.30	6.03	6.165	5.05
18	DKC 7074(C)	5.35	4.87	5.11	3.35
19	DMRH1417	5.75	4.36	5.055	5.25
20	KDM-115	6.90	4.60	5.75	4.60
21	KMH-1(CAH-1612)	5.55	3.86	4.705	4.60
22	OMH 17-47	5.80	6.08	5.94	4.45
23	OMH14-27	6.35	5.57	5.96	5.25
24	PHM1801(CAH1801)	5.95	4.77	5.36	5.45
25	RCRMH10(CAH174)	6.30	7.19	6.745	**2.90**
26	RCRMH11(CAH173)	5.85	6.14	5.995	4.40
27	RCRMH7(ZH138388)	5.50	6.67	6.085	4.55
28	RCRMH9(CAH1713)	6.90	4.36	5.63	4.80
29	TA 5084	6.55	4.64	5.595	4.00
30	VaMH 15028	6.05	5.49	5.77	4.25
31	VaMH 15036	6.75	4.31	5.53	3.85
32	VaMH 16008	6.05	**2.43**	4.24	4.85
33	Vivek maize hybrid 45	7.30	3.07	5.185	4.85
34	Vivek maize hybrid 51	5.90	3.19	4.545	5.85
35	ZH161032	6.20	4.46	5.33	6.10
	Location Mean	6.22	5.10		4.40
	CV (%)	9.87	**38.67**		**33.87**
	CD (5%)	-	4.05		3.07
	CD (1%)	-	5.43		4.12

ET 2: Evaluation of inbred lines against *Chilo partellus* under artificial infestation at Karnal, Ludhiana, Dholi, Kolhapur, Hyderabad and Udaipur

Table 23. Screening of maize inbred lines against stem borer, *C. partellus* during *Kharif,* 2018

E. No.	Genotypes	Mean LIR (1-9 Scale)						
		North West Plain Zone		North East Plain Zone	Peninsular Zone		Central Western Zone	Over all mean
		Karnal	Ludhiana	Dholi	Hyderabad	Kolhapur	Udaipur	
1.	DMR E63 / CML 287-4-14-3B	3.63	5.92	6.6	7.00	5.4	4.80	5.56
2.	DMR E63 / CML 287-1-4-33-2B	3.46	5.38	5.45	6.80	6.13	**2.85**	5.01
3.	DMR E63 / CML 287-2-34-1B	3.08	4.43	4.35	7.05	5.30	3.05	4.54
4.	DMR E63 / CML 287-2-5-6B	4.59	6.13	5.60	7.50	5.20	3.75	5.46
5.	DMR E63 / CML 287-2-8-6B	3.46	7.27	5.75	7.55	4.35	3.80	5.36
6.	DMR E63 / CML 287-4-89-4B	3.67	5.79	4.60	7.70	5.30	4.00	5.18
7.	DMR E63 / CML 2872-36-4B	3.13	5.33	5.65	7.25	4.10	3.30	4.79
8.	DMR E63 / CML 287-2-38-4B	**3.00**	8.14	5.20	7.45	3.70	3.15	5.11
9.	DMR E63 / CML 287-2-43-2B	**2.92**	4.45	4.95	7.95	6.00	3.60	4.98
10.	DMR E63 / CML 287-2-104-0B	3.34	4.53	4.35	7.05	5.70	3.50	4.75
11.	DMR E63 / CML 287-2-64-3B	3.25	4.50	5.65	7.75	5.80	4.65	5.27
12.	DMR E63 / CML 287-3-66-3B	**3.00**	4.67	4.75	7.85	5.60	3.65	4.92
13.	DMR E63 / CML 287-2-85-1B	3.25	3.56	5.80	6.90	6.00	3.85	4.89
14.	DMR E63 / CML 287-2-87-3B	3.38	5.01	3.75	7.75	**2.30**	3.25	4.24
15.	DMR E63 / CML 287-2-91-2B	3.17	5.13	3.95	7.45	3.50	3.10	4.38
16.	DMR E63 / CML 287-3-85-3B	3.25	5.19	5.25	7.45	6.90	**2.70**	5.12
17.	DMR E63 / CML 287-3-12-3B	**3.00**	4.12	4.00	7.30	6.70	4.80	4.99
18.	DMR E63 / CML 287-4-33-2B	3.17	6.42	4.45	7.80	5.30	3.30	5.07
19.	DMR E63 / CML 287-3-42-11B	3.38	6.71	4.90	8.25	6.20	6.20	5.94
20.	DMR E63 / CML 287-3-61-2B	3.38	8.38	5.20	7.80	4.10	7.10	5.99
21.	DMR E63 / CML 287-3-68-2B	3.25	3.88	5.15	6.35	4.70	3.55	4.48
22.	DMR E63 / CML 287-5-4-1B	3.25	5.42	3.60	7.55	3.15	3.75	4.45

23.	DMR E63 / CML 287-4-39-4B	3.29	6.84	4.30	8.05	6.90	6.25	5.94
24.	DMR E63 / CML 287-4-51-8B	**2.88**	6.64	6.45	6.85	6.20	7.35	6.06
25.	DMR E63 / CML 287-4-58-2B	**2.88**	6.13	4.70	7.55	3.00	6.10	5.06
26.	DMR E63 / CML 287-4-10-3B	3.13	5.34	5.60	6.90	**2.60**	3.10	4.45
27.	ACCNO. 571605-B-1	**2.84**	6.15	5.85	7.40	4.90	6.20	5.56
28.	WNZPBTL8	3.38	5.54	4.30	7.75	3.10	4.55	4.77
29.	CML 72	3.46	5.17	6.10	7.30	5.70	3.85	5.26
30.	DMR E63-2	5.25	4.28	6.30	7.20	5.10	5.40	5.59
31.	P31C4S5B-85-##-1-4-5-B*5-1-B-1	3.21	4.88	3.85	6.30	4.10	4.20	4.42
32.	DMR E63/CML 287-3-6	3.21	4.71	5.85	7.10	4.50	3.60	4.83
33.	DMRE63(R CHECK)	3.25	-	3.70	7.30	**2.90**	5.85	4.60
34.	CM 400	5.38	6.68	4.45	7.70	7.30	**2.95**	5.74
35.	CM500(R CHECK)	3.21	4.97	5.45	5.80	**2.70**	5.15	4.55
36.	BML 6	3.46	6.88	5.00	7.70	**3.00**	6.70	5.46
37.	CM 600(S CHECK	3.34	6.71	5.40	7.80	6.10	6.15	5.92
38.	DMR E63 / CML 287-2-1-1B	3.25	6.98	4.95	7.85	2.50	**2.50**	4.67
39.	DMR E63 / CML 287-2-60-1B	4.50	6.42	4.70	7.65	4.30	6.50	5.68
40.	CM 501	4.25	4.14	5.05	7.00	5.10	4.25	4.97
	CD(5%)	1.01	1.24	NS	1.08	2.73	1.48	
	CV	15.1	11.6	25.8	7.5	29.2	17.2	

Table 24. Mean number of *H. armigera* catches/acre during *Spring* and *Kharif* 2018

Month	Weeks	Udaipur	Delhi	Karnal	Ludhiana	Hyderabad	Kolhapur	Coimbatore	Dholi	Imphal
March	III	-	-	-	5.50	-	-	-	-	-
April	I	-	-	-	7.50	-	-	-	-	-
	II	-	-	-	9.17	-	-	-	-	-
	III	-	-	-	10.33	-	-	-	-	-
	IV	-	-	-	20.33	-	-	-	-	-
	V	-	-		28.17	-	-		-	-
May	I	-	-	-	12.33	-	-	-	-	-
	II	-	-	-	6.67	-	-	-	-	-
	III	-	-	-	4.00	-	-	-	-	-
	IV	-	-	-	4.83	-	-	-	-	-
June	I	-	-	-	2.17	-	-	-	-	-
	II	-	-	-	0.83	-	-	-	-	-
	III	-	-	-	0	-	-	-	-	-
	IV	-	-	-	0	-	-	-	-	-
July	I	-	-	-	0	-	-	-	-	-
	II	-	-	-	0	-	-	-	-	-
	III	-	-	-	0	-	-	-	-	-
	IV	-	-	-	0	-	0	-	-	3.5
August	I	-	-	-	0	-	0	-	-	8.25
	II	-	-	0.0	0	-	0	-	-	14.5
	III	1.25	-	0.0	0	2.25	0	-	-	23.25
	IV	2.00	1.50	1.0	0	0	0	0	-	20.5
September	I	3.00	6.00	3.0	0	0.75	-	0	-	17.5
	II	2.00	17.38	5.5	0	0.50	-	0	-	12.5
	III	0.75	33.25	3.75	0	0.50	-	0	0	8
	IV	0.25	13.38	2.75	0	0.75	-	0	0	5.5
October	I	-	3.38	5.25	0	0.75	-	0.50	0.88	0.5
	II	-	0.13	0.63	0	0	-	2.88	2.88	0
	III	-	0	0.0	0	5.25	-	0.75	3.25	0
	IV	-	-	0.0	0	6.50	-	0.50	0.75	-
November	I	-	-	-	-	5.50	-	0	0	-
	II	-	-	-	-	4.75	-	0	-	-
	III	-	-	-	-	3.25	-	0	-	-
	IV	-	-	-	-	4.25	-	-	-	-
December	I	-	-	-	-	1.75	-	-	-	-
	II	-	-	-	-	2.25	-	-	-	-
	III	-	-	-	-	0.75	-	-	-	-

ET 4: Evaluation of bio-pesticides against *C. partellus* at Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (3rdYear)

Table 25. Efficacy of biopesticides against *C. partellus* in terms of LIR (1-9 scale) during *Kharif,* 2018

E. No	Name of the Entry	Mean Leaf Injury Rating (LIR on 1-9 scale)					
		North West Plain Zone		Peninsular Zone		Central Western Zone	Over all Mean
		Karnal	Ludhiana	Kolhapur	Hyderabad	Udaipur	
1	Bio-5a iso. of *B. bassiana*, 1 x 10^8 spores/ml@ 10 ml/l of water	5.72	4.86	4.63	5.70	5.47	5.27
2	Bio -23 iso. of *B. bassiana* 1 x 10^8 spores/ml@ 10 ml/l of water	5.24	4.59	4.89	6.17	5.20	5.21
3	Bb-45 iso. of *B. bassiana* 1 x 10^8 spores/ml@ 10 ml/l of water	5.08	4.52	4.59	6.38	6.10	5.33
4	Ma-35 iso. of *Metarhizium* 1 x 10^8 spores/ml@ 10 ml/l of water	5.26	4.81	4.31	6.43	5.93	5.34
5	Bt formulation(DelfinWG) @5 g/l of water	3.12	4.50	3.16	5.05	2.50	3.66
6	Neem formulation- 1500 ppm @5 ml/l of water	4.65	5.02	3.18	5.16	4.57	4.51
7	State Recommended	1.88	3.56	2.99	3.86	2.13	2.88
8	Chlorantraniliprole 18.5 SC@ 0.3 ml/l of water	-	3.29	-	3.67	-	3.48
9	Dipel 8L	-	4.39	-	-	-	4.39
10	Untreated Control	6.89	5.55	5.42	7.36	7.23	
	CD (p=0.05)	0.6	0.96	0.39	0.5	0.8	
	CV	7.4	12.5	5.5	5.3	9.6	

ET 4: Evaluation of bio-pesticides against *C. partellus* at Karnal, Ludhiana, Kolhapur, Hyderabad and Udaipur (3rd Year)

Table 26. Efficacy of biopesticides against *C. partellus* in terms of grain yield (q/ha) during *Kharif,* 2018

E. No	Name of the Entry	Grain yield (q/ha)					
		North West Plain Zone		Peninsular Zone		Central Western Zone	Over all Mean
		Karnal	Ludhiana	Kolhapur	Hyderabad	Udaipur	
1	Bio-5a iso.of *B.bassiana*, 1 x 10^8 spores/ml- 10 ml/l of water	44.89	42.68	26.21	53.33	40.82	41.58
2	Bio -23 iso.of *B.bassiana* 1 x 10^8 spores/ml- 10 ml/l of water	45.56	43.19	28.83	54.22	41.34	42.62
3	Bb-45 iso.of *B.bassiana* 1 x 10^8 spores/ml- 10 ml/l of water	46.00	41.34	26.59	50.07	39.33	40.66
4	Ma-35 isolate of *Meterhizium* 1 x 10^8 spores/ml- 10 ml/l of water	45.11	42.36	30.90	41.92	39.97	40.05
5	Bt formulation (DelfinWG)- 5 g/l of water	52.44	46.30	35.37	55.11	43.63	46.57
6	Neem formulation- 1500PPM 5 ml/l of water	47.33	41.76	34.54	59.25	42.22	45.02
7	State Recommended	59.34	48.24	44.75	63.70	45.61	52.32
8	Chlorantraniliprole 18.5 SC- 0.3 ml/l of water	-	50.09	-	68.59	-	59.34
9	Dipel 8L	-	46.71	-	-	-	46.71
10	Untreated Control	38.45	38.89	25.51	34.96	36.42	34.84
	CD (p=0.05)	4.99	10.10	8.4	7.1	2.5	
	CV	6.0	8.4	15.7	7.7	3.5	

ET 5: Study on incidence of spotted stem borer, *Chilo partellus* (Swinhoe) in *Kharif* sown maize in relation to plant age and meteorological factors (2nd year)

Table 27a: Population dynamics of *C. partellus* in Kharif maize at Ludhiana

Name of the cultivars: PMH 1and Parkash; Sowing interval: weekly sowing starting from 7.6.2018, Plot size/sowing interval: 6 rows, 3 m

PMH 1	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	June II	June III	June IV	July I	July II	July III	Mean	June II	June III	June IV	July I	July II	July III	Mean
8	1.69	2.65	2.8	5.41	2.86	1.82	2.87	4	4.33	3.33	1.5	2.33	2.5	3.00
15	8.62	5.45	3.88	4.72	1.96	0.93	4.26	2.1	2.33	3.5	2.2	1.5	2	2.27
22	3.77	2.88	2.02	1.96	0	0	1.77	1.75	1.67	1.5	0.5			1.36
29	0.98	1.98	1.02	0	0	0	0.66	1	1	1				1.00
36	0.99	1.01	0	0			0.50	2	1					1.50
43	0	0	0				0.00							0.00
50	0	0					0.00							0.00
57	0						0.00							0.00
Infestation (%)/crop	**15.25**	**13.27**	**9.35**	**11.71**	**4.76**	**2.73**	**9.51**	**2.17**	**2.33**	**2.8**	**1.69**	**2.2**	**2.33**	**2.25**
Parkash	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)													
Crop age(days)	June II	June III	June IV	July I	July II	July III	Mean	June II	June III	June IV	July I	July II	July III	Mean
8	3.64	3.96	1.96	6.73	2.04	1.79	3.35	3.5	2.5	4.5	2.43	1.5	1	2.57
15	5.66	7.45	6	3.09	3.13	0.91	4.37	2.67	1.43	1.67	2.33	1.67	1	1.80
22	10	6.82	4.26	3.3	2.15	0	4.42	2.2	1.33	1.5	1.67	1		1.54
29	5.56	3.53	1.11	0	0		2.04	1.8	1.33	1				1.38
36	4.71	1.19	2.25	0			2.04	1.5	1	1				1.17
43	2.47	1.2	0				1.22	1	1					1.00
50	0	0					0.00							
57	0						0.00							
Infestation (%)/crop	**28.18**	**21.78**	**14.71**	**12.75**	**7.14**	**2.68**	**14.54**	**2.23**	**1.55**	**1.87**	**2.23**	**1.43**	**1.00**	**1.75**

Table 27b: Population dynamics of *C. partellus* in Kharif maize at Karnal

Name of the cultivars: HQPM-1 and HM-10; Sowing interval: weekly sowing starting from 12.07.2018, Plot size/sowing interval: 5 rows, 3 m

HQPM-1	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	July II	July III	July IV	August I	August II	August III	Mean	July II	July III	July IV	August I	August II	August III	Mean
8	9.33	16	10.67	10	8.89	6.67	10.26	4.57	6.08	5.25	3.67	3.75	2.67	4.33
15	26.47	30.16	17.91	9.26	12.2	7.14	17.19	6.22	5.16	5.25	6.2	3.6	3.33	4.96
22	12	11.36	10.91	4.08	5.56	2.56	7.75	5	5.2	2.5	4.5	3	4	4.03
29	6.82	5.13	8.16	8.51	2.94	0	5.26	6	4.5	2.25	2	4		3.75
36	7.32	5.41	11.11	0	0		4.77	5.33	5	1.6				3.98
43	5.26	0	0	0			1.32	2.5						2.50
50	0	0	0				0.00							
57	0	0					0.00							
Infestation (%)/crop	**52.00**	**53.33**	**46.67**	**28.33**	**26.67**	**15.56**	**37.09**	**5.46**	**5.4**	**3.91**	**4.12**	**3.58**	**3.14**	**4.27**
HM-10	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)													
Crop age(days)	July II	July III	July IV	August I	August II	August III	Mean	July II	July III	July IV	August I	August II	August III	Mean
8	8	12	10.67	8.33	6.67	4.44	8.35	4.17	5.33	3.5	2.8	3.67	2	3.58
15	21.74	16.67	11.94	10.91	9.52	2.33	12.19	5.67	5.64	3	3.67	1	6	4.16
22	7.41	3.64	5.08	4.08	5.26	2.38	4.64	4.5	4	3	2.5	2	4	3.33
29	4	7.55	5.36	2.13	0	0	3.17	5.5	3.75	1.67	4			3.73
36	4.17	8.16	3.77	0	0		3.22	5	1.5	2				2.83
43	0	0	0	0			0.00							
50	0	0	0				0.00							
57	0	0					0.00							
Infestation(%/ crop	**38.67**	**40**	**32**	**23.33**	**20**	**8.89**	**27.15**	**5.14**	**4.63**	**2.92**	**3.21**	**2.11**	**3.5**	**3.59**

Table 27c: Population dynamics of *C. partellus* in Kharif maize at Udaipur

Name of the cultivars: Pratap Hybrid Maize -3 and Pratap QPM; Sowing interval: weekly sowing starting from 16.07.2018, Plot size/sowing interval: 5 rows, 3 m

Pratap Hybrid Maize – 3	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	July III	July IV	August I	August II	August III	August IV	Mean	July III	July IV	August I	August II	August III	August IV	Mean
15	11.59	9.38	9.26	5.77	11.9	5.56	8.91	1.25	1.17	1.4	1.67	1.2	1	1.28
22	16.39	6.9	6.12	10.2	2.7	0	7.05	1.3	1.5	1.67	1	1	0	1.08
29	11.76	9.26	8.7	9.09	0	0	6.47	1.17	1	1	1			1.04
36	11.11	6.12	9.52	0	0		5.35	1	1.33	1				1.11
43	7.5	4.35	0	0			2.96	1.33	1					1.17
50	5.41	0	0				1.80	0	0					0.00
57	0	0					0.00		0					0.00
Infestation (%)/ crop	**49.28**	**31.25**	**29.63**	**23.08**	**14.29**	**5.56**	**25.52**	**1.21**	**1.2**	**1.25**	**1.17**	**1.17**	**1.00**	**1.17**
Pratap QPM	**% infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	July III	July IV	August I	August II	August III	August IV	Mean	July III	July IV	August I	August II	August III	August IV	Mean
15	15.38	14.04	9.62	10.64	19.05	6.12	12.48	1.4	1.25	1.2	1.4	1.25	1.33	1.31
22	12.73	12.24	8.51	9.52	8.82	0	8.64	1.14	1.33	1	1	1		1.09
29	10.42	9.3	9.3	2.63	0		6.33	1	1	1.25	1			1.06
36	13.95	5.13	5.13	0			6.05	1.33	1	1				1.11
43	10.81	2.7	0				4.50	1	2					1.50
50	6.06	0					3.03	1						1.00
57	0						0.00							
Infestation(%)/ crop	**52.31**	**36.84**	**28.85**	**21.28**	**26.19**	**6.12**	**28.60**	**1.21**	**1.24**	**1.13**	**1.2**	**1.18**	**1.33**	**1.22**

Table 27d: Population dynamics of *C. partellus* in Kharif maize at Hyderabad

Name of the cultivars: CM 400 and CM 500; Sowing interval: weekly sowing starting from 14-06-2018, Plot size/sowing interval: 6 rows, 3 m

CM 400	**%infestation**									**No. of larvae/plant**								
	Crop establishment (week interval)									**Crop establishment (week interval)**								
Crop age(days)	June III	June IV	July I	July II	July III	July IV	July V	August I	Mean	June III	June IV	July I	July II	July III	July IV	July V	August I	Mean
8	12.87	19.63	13.98	15.05	21.33	30.14	34.04	11.9	19.87	0	0	0.08	0.14	0.25	0.09	0.19	0.5	0.16
15	20.45	18.6	17.5	13.92	18.64	27.45	16.13	16.22	18.61	0.06	0.13	0.14	1.09	0.27	0.14	0.2	0.33	0.30
22	18.57	12.86	19.7	23.53	31.25	32.43	13.46	24.19	22.00	0.15	0.33	0.38	0.38	0.27	0.25	0	0.47	0.28
29	19.3	18.03	20.75	25	36.36	20	11.11	23.4	21.74	0.45	0.45	0.36	0.46	0.33	0.4	0	0.36	0.35
36	28.26	12	23.81	28.21	23.81	20	15	13.89	20.62	0.31	0.33	0.5	0	0.4	0.75	0.67	0.4	0.42
43	30.3	20.45	34.38	35.71	37.5	37.5	11.76	6.45	26.76	0.3	0.33	0.36	0.5	0.5	0.17	0.5	0	0.33
50	34.78	28.57	42.86	61.11	50	60	20	0	37.17	0.63	0	0.22	0.55	0	0	0.33	0	0.22
57	66.67	40	91.67	85.71	60	50	16.67	0	51.34	0	0	0.64	0.33	0	0.5	0.25	0	0.22
Infestation (%)/ crop	**95.05**	**85.98**	**98.9**	**98.92**	**97.33**	**97.26**	**78.72**	**65.48**	**89.71**	**0.21**	**0.16**	**0.33**	**0.42**	**0.27**	**0.2**	**0.23**	**0.4**	**0.28**

CM 500	**%infestation**									**No. of larvae/plant**								
	Crop establishment (week interval)									**Crop establishment (week interval)**								
Crop age (days)	June III	June IV	July I	July II	July III	July IV	July V	August I	Mean	June III	June IV	July I	July II	July III	July IV	July V	August I	Mean
8	5.1	6.45	7.46	14.93	17.65	23.81	25	12.79	14.15	0	0	0.4	0.3	0.25	0.13	0.2	0.45	0.22
15	3.23	10.34	9.68	15.79	16.07	24.39	26.67	12	14.77	0	0.11	0.5	0.89	0.22	0.3	0.17	0.56	0.46
22	5.56	6.41	16.07	12.5	27.66	32.26	15.15	15.15	16.35	0.2	0.4	0.22	0.67	0.15	0.2	0	0	0.43
29	5.88	8.22	17.02	19.05	29.41	9.52	14.29	12.5	14.49	0.4	0.33	0.38	0.63	0.3	0	0	0	0.46
36	5	5.97	12.82	26.47	33.33	10.53	12.5	8.16	14.35	0.5	0.25	0.8	0.56	0	0.5	0.33	0	0.46
43	5.26	6.35	14.71	32	18.75	11.76	9.52	0	12.29	0.5	0	0.6	0.5	0.33	0	0	0	0.24
50	6.94	3.39	6.9	29.41	23.08	6.67	0	0	9.55	0	0	0	0	0	0	0	0	0.00
57	2.99	7.02	25.93	33.33	0	7.14	0	0	9.55	0	0	0	0	0	0	0	0	0.00
Infestation (%)/ crop	**33.67**	**43.0**	**70.2**	**57.8**	**85.3**	**68.3**	**68.3**	**47.6**	**59.28**	**0.21**	**0.15**	**0.36**	**0.49**	**0.19**	**0.19**	**0.15**	**0.24**	**0.25**

Table 27e: Population dynamics of *C. partellus* in Kharif maize at Imphal

Name of the cultivars: CM 400 and CM 500; Sowing interval: weekly sowing starting from 29.06.2018, Plot size/sowing interval: 5 rows, 3 m

CM 400	**%infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	July I	July II	July III	July IV	July V	August I	Mean	July I	July II	July III	July IV	July V	August I	Mean
8	2	2	6	0	0	0	1.67	1	0	1.33	0	0	0	0.39
15	4.08	0	0	4	6	2	2.68	0.5	0	0	0.5	1	1	0.50
22	2.13	0	2.13	2.08	6.38	4.08	2.80	2	0	0	0	1.33	1	0.72
29	2.17	0	0	2.13	2.27	0	1.10	1	0	0	2	1	0	0.67
36	2.22	4.08	2.17	6.52	0	2.13	2.85	2	1	3	1.33	0	1	1.39
43	4.55	2.13	2.22	2.33	4.65	0	2.65	2.5	3	1	2	1.5	0	1.67
50	4.76	0	2.27	2.38	5	0	2.40	2	0	12	2	1	0	2.83
57	0	4.35	4.65	0	7.89	4.35	3.54		2	2	0	1.33	2.5	1.57
Infestation (%)/ crop	**20.00**	**12.00**	**18.00**	**18.00**	**28.00**	**12.00**	**18.00**	**1.6**	**1.5**	**2.67**	**1.22**	**1.21**	**1.5**	**1.62**
CM 500	**%infestation**							**No. of larvae/plant**						
	Crop establishment (week interval)							**Crop establishment (week interval)**						
Crop age(days)	July I	July II	July III	July IV	July V	August I	Mean	July I	July II	July III	July IV	July V	August I	Mean
8	0	2	4	0	0	0	1.00	0	0	1.5	0	0	0	0.25
15	2	0	2.08	2.04	2	0	1.35	1	0	1	0	1	0	0.50
22	4.08	0	0	4.17	0	0	1.38	1.5	0	0	0	0	0	0.25
29	0	2.04	0	2.13	0	2	1.03	0	0	0	2	0	1	0.50
36	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00
43	2.08	2.08	2.13	4.35	0	2.04	2.11	2	1	2	1.5	0	0	1.08
50	0	0	2.17	2.27	2.04	0	1.08		0	5	1	1	0	1.40
57	0	4.26	0	0	0	4.17	1.41		2	0	0	0	2.5	0.90
Infestation (%)/ crop	**8.00**	**10.00**	**10.00**	**14.00**	**4.00**	**8.00**	**9.00**	**1.5**	**1.00**	**2.2**	**0.86**	**1.00**	**1.5**	**1.34**

ET 6: Study on pest succession of insect pests in *Kharif*, *Rabi* and *Spring* sown maize

Table 28a. Incidence of fall armyworm *Spodoptera frugiperda* (J.E.Smith) during Kharif 2018 at Coimbatore

Name of the cultivars: UMI 1230 and N53; Sowing interval: weekly sowing starting from 29.08.18, Plot size/sowing interval: 4 rows, 3 m

UMI 1230	% infestation							No. of larvae/plant						
	Crop establishment (week interval)							Crop establishment (week interval)						
Crop age(days)	Sept I	Sept II	Sept III	Sept IV	Oct I	Oct II	Mean	Sept I	Sept II	Sept III	Sept IV	Oct I	Oct II	Mean
8	0	0	0	0	0	0	0.00	0	0	0	0	0	0	3.00
15	0	0	0	0	0	0	0.00	0	0	0	0	0	0	2.27
22	0	0	0	3.45	3.33	0	1.13	0	0	0	2	2	0	1.36
29	0	3.33	3.33	3.57	5.17	5	3.40	0	2	2	2	2.33	2.33	1.00
36	5	3.45	3.45	3.7	7.27	5.26	4.69	2	2	2.5	2.5	1.75	2	1.50
43	5.26	5.36	5.36	5.77	5.88	7.41	5.84	2.33	2	1.67	2.33	2	1.75	0.00
50	5.56	5.66	7.55	6.12	6.25	8	6.52	2.67	1.67	2	2	2	2	0.00
57	7.84	6	8.16	8.7	6.67	6.52	7.32	1.75	2.33	1.75	2	2.33	2.33	0.00
Infestation (%)/ crop	**21.67**	**21.67**	**25**	**26.67**	**30**	**28.33**	**25.56**	**2.15**	**2**	**1.93**	**2.13**	**2.06**	**2.06**	**2.25**
N 53	% infestation							No. of larvae/plant						
	Crop establishment (week interval)													
Crop age(days)	Sept I	Sept II	Sept III	Sept IV	Oct I	Oct II	Mean	Sept I	Sept II	Sept III	Sept IV	Oct I	Oct II	Mean
8	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00
15	0	0	0	3.33	0	0	0.56	0	0	0	2	0	0	0.33
22	0	0	3.33	3.45	3.33	3.33	2.24	0	0	2	2.5	2.5	2	1.50
29	3.33	3.33	3.45	3.57	5.17	5.17	4.00	2	2.5	2.5	2.5	2	1.67	2.20
36	3.45	5.17	3.57	5.56	5.45	5.45	4.78	3	2	2.5	2	2	2	2.25
43	5.36	5.45	5.56	5.88	5.77	7.69	5.95	1.67	2	2	2	2.33	1.75	1.96
50	7.55	7.69	5.88	8.33	10.2	8.33	8.00	1.75	1.75	2.33	1.75	1.6	2	1.57
57	10.2	10.42	10.42	6.82	9.09	9.09	9.34	1.6	1.6	1.6	2	1.75	2	1.76
Infestation (%)/ crop	**26.67**	**28.33**	**28.33**	**31.67**	**33.33**	**33.33**	**30.28**	**1.38**	**1.88**	**2.06**	**2.05**	**1.95**	**1.9**	**1.87**

Table 28b. Incidence of *Spodoptera frugiperda* during Kharif 2018 at Hyderabad

Name of the cultivars: BML6 and CM 500; Date of sowing : 27.06.18; Plot Size: 10 rows of 3m

Date of Observation	Per cent Plants Infested	
	BML 6	CM 500
09.07.2018	-	-
16.07.2018	-	-
23.07.2018	-	-
30.07.2018	-	-
07.08.2018	-	-
13.08.2018	-	-
21.08.2018	58.20	35.00
28.08.2018	-	-
04.09.2018	-	-
11.09.2018	-	-
18.09.2018	-	-
25.09.2018	-	-
03.10.2018	-	-
10.10.2018	-	-
19.10.2018	-	-
26.10.2018	-	-

Table 28c. Incidence of *Spodoptera frugiperda* during Kharif 2018 at Kolhapur

Name of the cultivar : Karveer; Date of sowing : 15/06/2018; Plot Size: 10 rows of 4m

Date of Observation	Per cent Plants Infested
25.6.18	0.00
02.7.18	0.00
09.7.18	12.67
16.7.18	17.33
23.7.18	40.00
30.7.18	62.00
06.8.18	100.00
13.8.18	100.00
20.8.18	100.00
27.8.18	100.00

BIOCHEMISTRY

BIOCHEMISTRY

The Biochemistry laboratory of ICAR-Indian Institute of Maize Research is the central analytical facility which helps in developing nutritionally improved maize, particularly, quality protein maize (QPM) cultivars across India. The laboratory facilitates the biochemical analysis of maize samples received from ICAR-IIMR as well as AICRP centres of ICAR and State Agricultural Universities. The laboratory is well equipped with state of the art instruments such as Ultra Performance Liquid Chromatography (UPLC), automated geltech, automatic solvent extractor system, vacuum concentrator, lyophilizer, NIRT, double beam spectrophotometer, polarimeter, etc. The laboratory meets the requirement for analysis of various biochemical parameters such as protein quality (protein, tryptophan and lysine), carbohydrate profile (starch, sugar, amylose and amylopectin), oil content and carotenoids etc. During the period of 2018–2019 samples received under AICRP quality programme were analyzed for protein quality and provitamin A components as required. For protein quality analysis a total of 13 entries consisting of five newly developed QPM hybrids were grown at two locations, *viz.*,: Ludhiana and Delhi. The selfed maize ears collected from respective entries from each center was analyzed separately at the above mentioned two locations for protein quality parameters viz: protein, tryptophan and lysine. For this purpose the kernels were screened on the basis of opaqueness to select the representative sample. The endosperm was separated, defatted and processed for protein quality i.e. tryptophan and lysine content in the endosperm protein. The data for protein, tryptophan and lysine are presented in Table 1, 2 and 3, respectively. For any samples to be categorized as QPM, the threshold concentration of lysine and tryptophan is to be ≥ 2.50 per cent and ≥ 0.6 per cent of endosperm protein, respectively. The entries namely IMHQPM1530, QPMMH27, IIMRQPMH1601, APQH5 and APQH 7 possessed the required concentration of protein quality and recommended for consideration as QPM hybrid.

Table 1: Protein content (%) of samples of coordinated QPM breeding programme

S. No	Name of entry	Analyzed at						Overall mean
		Ludhiana			Delhi			
		L	D	Mean	L	D	Mean	
1	IMHQPM 1530	9.54	8.20	**8.87**	9.17	8.90	**9.04**	**8.96**
2	QPM MH27	9.18	8.53	**8.86**	10.00	9.60	**9.80**	**9.33**
3	IIMRQPMH1601	7.82	8.19	**8.00**	9.77	9.80	**9.79**	**8.90**
4	APQH5	8.84	8.20	**8.52**	9.50	9.00	**9.25**	**8.89**
5	APQH7	7.15	7.92	**7.54**	9.05	9.23	**9.14**	**8.34**
6	APH27	8.23	8.32	**8.28**	8.87	8.90	**8.89**	**8.59**
7	Vivek QPM 9 (C)	9.45	10.02	**9.74**	9.17	8.50	**8.84**	**9.29**
8	HQPM 1 (C)	7.82	7.90	**7.86**	9.40	9.40	**9.40**	**8.63**
9	HQPM 5 (C)	7.96	7.43	**7.70**	9.50	8.87	**9.19**	**8.45**
10	HQPM 7 (C)	6.69	6.97	**6.83**	9.20	8.50	**8.85**	**7.84**
11	Vivek Hybrid 27 (C)	8.49	8.44	**8.47**	9.30	8.80	**9.05**	**8.76**
12	APQH 9 (C)	9.40	7.59	**8.50**	9.67	9.50	**9.59**	**9.05**
13	Pratap QPM Hybrid 1 (C)	7.05	7.23	**7.14**	9.30	9.10	**9.20**	**8.17**

L – Samples grown at Ludhiana center
D - Samples grown at Delhi center

Table 2: Tryptophan content (% of endosperm protein) of samples of coordinated QPM breeding programme

S. No	Name of entry	Analyzed at						Overall mean
		Ludhiana			Delhi			
		L	D	Mean	L	D	Mean	
1	IMHQPM 1530	0.66	0.73	**0.70**	0.88	0.88	**0.88**	**0.79**
2	QPM MH27	0.68	0.72	**0.70**	0.81	0.84	**0.83**	**0.77**
3	IIMRQPMH1601	0.63	0.67	**0.65**	0.67	0.66	**0.67**	**0.66**
4	APQH5	0.88	1.06	**0.97**	0.90	0.90	**0.90**	**0.94**
5	APQH7	0.94	0.87	**0.91**	1.00	0.89	**0.95**	**0.93**
6	APH27	0.49	0.38	**0.44**	0.34	0.30	**0.32**	**0.38**
7	Vivek QPM 9 (C)	0.81	0.88	**0.85**	0.86	0.82	**0.84**	**0.85**
8	HQPM 1 (C)	0.79	0.99	**0.89**	0.93	0.88	**0.91**	**0.90**
9	HQPM 5 (C)	0.65	0.89	**0.77**	0.88	0.92	**0.90**	**0.84**
10	HQPM 7 (C)	0.84	0.95	**0.90**	0.93	0.97	**0.95**	**0.93**
11	Vivek Hybrid 27 (C)	0.40	0.41	**0.41**	0.33	0.29	**0.31**	**0.36**
12	APQH 9 (C)	0.74	0.83	**0.79**	0.83	0.81	**0.82**	**0.81**
13	Pratap QPM Hybrid 1 (C)	0.88	1.02	**0.95**	0.88	0.86	**0.87**	**0.91**

L – Samples grown at Ludhiana center
D - Samples grown at Delhi center

Table 3: Lysine content (% of endosperm protein) of samples of coordinated QPM breeding programme

S. No	Name of entry	Analyzed at						Overall mean
		Ludhiana			Delhi			
		L	D	Mean	L	D	Mean	
1	IMHQPM 1530	3.29	3.86	**3.58**	3.39	3.54	**3.47**	**3.53**
2	QPM MH27	3.37	3.51	**3.44**	3.65	3.49	**3.57**	**3.51**
3	IIMRQPMH1601	3.67	3.06	**3.37**	2.72	2.69	**2.71**	**3.04**
4	APQH5	4.42	4.18	**4.30**	4.17	4.20	**4.19**	**4.25**
5	APQH7	4.04	4.22	**4.13**	4.23	4.26	**4.25**	**4.19**
6	APH27	2.09	1.77	**1.93**	1.68	1.93	**1.81**	**1.87**
7	Vivek QPM 9 (C)	3.74	4.10	**3.92**	3.72	3.79	**3.76**	**3.84**
8	HQPM 1 (C)	3.34	4.07	**3.71**	4.32	4.04	**4.18**	**3.95**
9	HQPM 5 (C)	3.50	3.48	**3.49**	4.10	4.25	**4.18**	**3.84**
10	HQPM 7 (C)	4.03	4.17	**4.10**	4.18	4.05	**4.12**	**4.11**
11	Vivek Hybrid 27 (C)	1.75	2.09	**1.92**	1.67	1.84	**1.76**	**1.84**
12	APQH 9 (C)	3.34	4.12	**3.73**	3.58	3.80	**3.69**	**3.71**
13	Pratap QPM Hybrid 1 (C)	3.43	4.07	**3.75**	3.43	3.39	**3.41**	**3.58**

L – Samples grown at Ludhiana center
D - Samples grown at Delhi center

EVALUATION OF MAIZE GERMPLASM FOR PROVITAMIN A COMPONENTS UNDER AICRP QUALITY PROGRAMME

Yellow maize is a good source of provitamin A components such as β-carotene and β-cryptoxanthin. The entries developed for higher pro-vitamin A components were, therefore, analyzed for β-carotene and β-cryptoxanthin. Three entries are received in this programme. The pro-vitamin-A is calculated by adding beta-carotene + 1/2 beta-cryptoxanthin values. For this purpose the samples were grown at two locations, *viz*,: Ludhiana and Delhi. The selfed maize ears collected from respective entries from each center was analyzed at Delhi. The pro vitamin A content of the EDVs i.e. APQH5, APQH7 and APH27 is statistically significant (superior) over original hybrids i.e. HQPM-5, HQPM-7 and Vivek Hybrid 27, respectively. The data is presented in Table 4.

Table 4: Pro-vitamin-A (μg/g) of maize samples received under coordinated quality breeding programme

		Analyzed at Delhi		
S. No	**Name of entry**	**L**	**D**	**Mean**
1	APQH5	6.73	6.81	**6.77****
2	APQH7	7.14	7.06	**7.10****
3	APH27	5.55	5.43	**5.49****
4	Vivek QPM 9 (C)	0.90	0.93	**0.92**
5	HQPM 5 (C)	1.06	0.97	**1.02**
6	HQPM 7 (C)	1.18	1.13	**1.16**
7	Vivek Hybrid 27 (C)	0.98	0.92	**0.95**
8	APQH 9 (C)	5.10	5.18	**5.14**

** Significant at 1% level of significance over original hybrids
L – Samples grown at Ludhiana center
D - Samples grown at Delhi center

Season-wise Area, Production and Productivity of Maize in India
(1949-1950 to 2018-2019-2nd Advance Estimates)

Year	Area (In ' 000 Hectare)			Production (In ' 000 Tonne)			Productivity (In Kg./Hectare)			%age Coverage under Irrigation
	Kharif	Rabi	Total	Kharif	Rabi	Total	Kharif	Rabi	Total	
1949-1951	-	-	3300	-	-	2000	-	-	627	12.8
1950-1951	3159	-	3159	1729	-	1729	547	-	547	11.4
1951-1952	3310	-	3310	2076	-	2076	627	-	627	16.4
1952-1953	3605	-	3605	2870	-	2870	796	-	796	14.0
1953-1954	3869	-	3869	3039	-	3039	785	-	785	11.5
1954-1955	3749	-	3749	2975	-	2975	794	-	794	14.6
1955-1956	3696	-	3696	2602	-	2602	704	-	704	11.8
1956-1957	3758	-	3758	3078	-	3078	819	-	819	13.1
1957-1958	4079	-	4079	3150	-	3150	772	-	772	13.4
1958-1959	4265	-	4265	3463	-	3463	812	-	812	10.5
1959-1960	4344	-	4344	4073	-	4073	938	-	938	9.9
1960-1961	4407	-	4407	4080	-	4080	926	-	926	12.6
1961-1962	4507	-	4507	4312	-	4312	957	-	957	9.5
1962-1963	4643	-	4643	4607	-	4607	992	-	992	11.5
1963-1964	4582	-	4582	4651	-	4561	995	-	995	11.4
1964-1965	4618	-	4618	4664	-	4664	1010	-	1010	12.1
1965-1966	4799	-	4799	4823	-	4823	1005	-	1005	16.1
1966-1967	5074	-	5074	4894	-	4894	964	-	965	15.6
1967-1968	5583	-	5582	6270	-	6270	1123	-	1123	11.9
1968-1969	5716	-	5716	5701	-	5701	997	-	997	19.5
1969-1970	5862	-	5862	5674	-	5674	968	-	968	18.2
1970-1971	5852	-	5852	7486	-	7486	1279	-	1279	15.9
1971-1972	5668	-	5668	5101	-	5101	900	-	900	14.3
1972-1973	5838	-	5838	6388	-	6388	1094	-	1094	18.8
1973-1974	6015	-	6015	5803	-	5803	965	-	965	14.7
1974-1975	5863	-	5863	5559	-	5559	948	-	948	21.0
1975-1976	6031	-	6031	7256	-	7256	1203	-	1203	16.2
1976-1977	6000	-	6000	6361	-	6361	1060	-	1060	17.7
1977-1978	5683	-	5683	5973	-	5973	1051	-	1051	16.3
1978-1979	5760	-	5760	6199	-	6199	1076	-	1076	16.3
1979-1980	5720	-	5720	5603	-	5603	979	-	980	24.0
1980-1981	6005	-	6005	6957	-	6957	1159	-	1159	20.1
1981-1982	5935	-	5935	6897	-	6897	1162	-	1162	19.8
1982-1983	5720	-	5720	6549	-	6549	1145	-	1145	21.7
1983-1984	5859	-	5859	7922	-	7922	1352	-	1352	16.9
1984-1985	5800	-	5800	8442	-	8442	1456	-	1456	17.5
1985-1986	5797	-	5797	6643	-	6643	1146	-	1146	18.7
1986-1987	5923	-	5923	7593	-	7593	1282	-	1282	21.2
1987-1988	5542	-	5542	5629	-	5629	1016	-	1016	21.2
1988-1989	5897	-	5897	8229	-	8229	1395	-	1395	21.0
1989-1990	5915	-	5915	9651	-	9651	1632	-	1632	20.8
1990-1991	5904	-	5904	8962	-	8962	1518	-	1518	19.7
1991-1992	5859	-	5859	8064	-	8064	1376	-	1376	22.5
1992-1993	5963	-	5963	9994	-	9994	1676	-	1676	21.5
1993-1994	5995	-	5995	9601	-	9601	1602	-	1602	22.4
1994-1995	6136	-	6136	8884	-	8884	1448	-	1448	20.5
1995-1996	5979	-	5979	9534	-	9534	1595	-	1595	22.6
1996-1997	5713	547	6260	9174	1595	10770	1606	2917	1720	20.6
1997-1998	5762	560	6321	9430	1389	10819	1637	2482	1712	20.6
1998-1999	5591	613	6204	9539	1609	11148	1706	2626	1797	21.7
1999-2000	5727	695	6422	9706	1803	11510	1695	2594	1792	22.9
2000-2001	5987	624	6611	10220	1824	12043	1707	2921	1822	22.4
2001-2002	5934	648	6582	11248	1912	13160	1896	2952	2000	20.5
2002-2003	5976	659	6635	9272	1879	11152	1552	2851	1681	19.5
2003-2004	6590	753	7343	12734	2250	14984	1932	2987	2041	19.1

Year	Area (In ' 000 Hectare)			Production (In ' 000 Tonne)			Productivity (In Kg./Hectare)			%age Coverage under Irrigation
	Kharif	Rabi	Total	Kharif	Rabi	Total	Kharif	Rabi	Total	
2004-2005	6594	836	7430	11476	2696	14172	1740	3224	1907	20.5
2005-2006	6758	830	7588	12156	2554	14709	1799	3076	1938	21.1
2006-2007	6960	934	7894	11556	3541	15097	1660	3793	1912	21.5
2007-2008	7119	999	8118	15107	3849	18955	2122	3854	2335	23.5
2008-2009	6895	1279	8174	14121	5610	19731	2048	4387	2414	25.2
2009-2010	7063	1198	8262	12293	4426	16720	1740	3694	2024	23.8
2010-2011	7282	1271	8553	16637	5088	21726	2285	4003	2540	24.3
2011-2012	7381	1401	8782	16486	5273	21759	2234	3765	2478	25.3
2012-2013	7215	1458	8677	16205	6054	22258	2246	4152	2565	-
2013-2014	7310	1757	9066	17144	7115	24260	2346	4050	2676	-
2014-2015	7563	1622	9185	17014	7159	24172	2249	4414	2632	-
2015-2016	7180	1626	8806	16053	6514	22567	2236	4006	2563	-
2016-2017	7842	1792	9633	18919	6981	25900	2413	3897	2689	-
2017-2018#	-	-	-	20240	8470	28720	-	-	-	-
2018-2019*	-	-	-	20220	7580	27800	-	-	-	

Note : * : 2nd Advance Estimat
: 4th Advance Estimate
Source : Ministry of Agriculture & Farmers Welfare, Govt. of India. (ON1895) & Past Is

भाकृ अनुप
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