

LPCH 2



Parent: Dpcl 292 × JP 8

Year of release: 2020

Gazette Notification: S.O. 3482 (E) S.N.43

Type of corn: Popcorn

Season: Kharif, but also suitable for rabi

Yield: 3.0 t/ha in kharif; 4.0-4.5 t/ha in rabi (Popcorn)

Maturity: Early (75-80 days in kharif)

Recommended for cultivation in: Rajasthan, Madhya Pradesh, Chhattisgarh and Gujarat.

Special features: High yielding with its highest popping percentage reported up to 95 % with a mean of 86.1 in AICRP trial. It has mean popping expansion (PE) of 1: 16.6 with maximum of 1:23 reported in the AICRP testing. It has shown moderate resistance to Charcoal rot, Fusarium stalk rot and Curvularia leaf spot under artificial epiphytotic

conditions at hot spots.

LPCH 3

Parent: Dpcl 15-90 × Dpcl 117

Year of release: 2020

Gazette Notification: S.O. 3482 (E) S.N.44

Type of corn: Popcorn

Season: Kharif, but also suitable for rabi

Yield: 3.5 t/ha in kharif; 4.5-5.0 t/ha in rabi (Popcorn)

Maturity: Early (80-85 days in kharif)

Recommended for cultivation in: Bihar, Jharkhand, Uttar Pradesh, Odisha, West Bengal, Telangana, Andhra Pradesh, Tamilnadu, Karnataka, Maharashtra, Rajasthan, Madhya Pradesh, Chhattisgarh and Gujarat.

Special features: High yielding short duration popcorn hybrid. It has high popping percentage, with a mean value of 89.8 % reported in the AICRP trial. Its mean popping expansion (PE) value is 1:15, with maximum reported up to 1:20 in the AICRP testing. It has shown moderate resistance response to Charcoal rot, Fusarium stalk rot, Maydis leaf blight and Curvularia leaf spot under artificial epiphytotic conditions at hot spots. It is responsive to high inputs, and due to short duration it can be fit in many cropping systems.



IIMR Hybrids

Normal Maize Hybrids

DMRH 1301



Parent: BML 6 × IML 418-1

Year of release: 2017

Gazette Notification: S.O.399(E)S.N.17

Type of corn: Normal field corn

Season: Rabi

Yield: 9.0-10.0 t/ha

Maturity: Medium (125-145 days)

Recommended for cultivation in: Eastern Uttar Pradesh, Bihar, Jharkhand, West Bengal, Odisha, Rajasthan, Gujarat, Chhattisgarh and Madhya Pradesh.

Special features: High yielding female line, medium maturing (Rabi: 125-145 days), yellow grain colour, moderately

resistant to Turcicum leaf blight and Charcoal rot diseases of maize, responsive to high inputs.

DMRH 1308



Parent: BML 6 × HKI 163

Year of release: 2017

Gazette Notification:

S.O.399(E)S.N.19

Type of corn: Normal field corn

Season: Rabi

Yield: 9.5-10.5 t/ha

Maturity: Medium (130-150 days)

Recommended for cultivation in: Bihar, Rajasthan, Gujarat, Chhattisgarh and Madhya Pradesh.

Special features: High yielding female line, medium maturing (Rabi: 130-150 days), attractive yellow grain colour, moderately resistant to Turcicum leaf blight and Charcoal rot diseases of maize, responsive to high inputs.



Note: For detailed packages of practices (PoP) in maize cultivation, you may visit our institute website:
<https://iimr.icar.gov.in/publications-category/technical-bulletins/>



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DMRH 1305



Parent: V 373 × HKI 1105
Year of release: 2018
Gazette Notification: S.O. 6318(E)S.N.40
Type of corn: Normal field corn
Season: Kharif
Yield: 6.0-6.5 t/ha
Maturity: Early (In hill: 95-100 days ; Rest: 80-85 days)
Recommended for cultivation in: Jammu & Kashmir, Himachal Pradesh, Uttarakhand (Hill region), Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh.

Special features: High yielding female line, short duration, attractive orange grain colour, moderately tolerant to Turcicum leaf blight, Maydis leaf blight and Curvularia leaf spot diseases, due to short duration it can be fit in many cropping systems, responsive to high inputs.

IMH 222



Parent: MIL 2-173-2 × BML-7
Year of identification: 2022
Gazette Notification: yet to be notified
Type of corn: Normal field corn
Season: Rabi
Yield: 10.19 t/ha
Maturity: Medium (125-130 days)
Recommended for cultivation in: Punjab, Haryana, Parts of Uttarakhand, New Delhi and Western Uttar Pradesh.
Special features: Moderately resistant to *Chilo partellus* insect, Charcoal rot, Turcicum leaf blight, resistant to Maydis leaf blight and Fusarium stalk rot (FSR) diseases, responsive to high inputs.

LBCH 3



Parent: V 373 × HKI 1105
Year of release: 2020
Gazette Notification: S.O. 3482 (E) S.N.37
Type of corn: Baby corn
Season: Kharif
Yield: 1.3 t/ha (De-husked baby corn)
Maturity: Early (50-55 days baby corn crop)
Recommended for cultivation in: Jammu & Kashmir, Himachal Pradesh, Uttarakhand (Hill region), Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh.

Special features: Short duration (50-55 days baby corn crop), attractive colour baby corn, prolific, moderately resistant to Turcicum leaf blight, Maydis leaf blight, and Banded leaf and sheath blight under artificial epiphytotic conditions at hot-spots locations.

Popcorn Hybrids

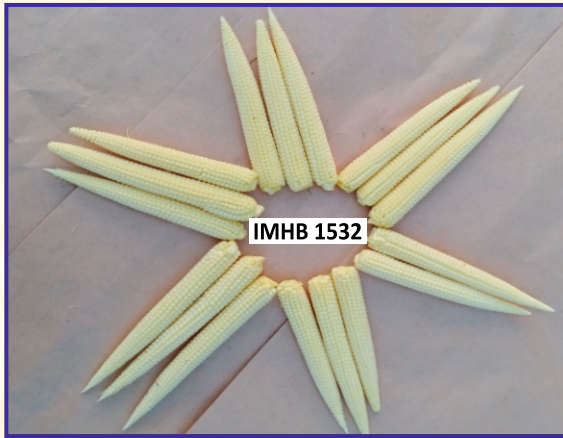
DMRHP 1402



Parent: JP 8 × Dpcl 117
Year of release: 2017
Gazette Notification: S.O.399(E)S.N.18
Type of corn: Popcorn
Season: Kharif, but also suitable for rabi
Yield: 3.0 t/ha in kharif; 4.0-4.5 t/ha in rabi (Popcorn)
Maturity: Early (75-80 days in kharif)
Recommended for cultivation in: Punjab, Haryana, Delhi, Uttarakhand, Uttar Pradesh (Western region), Rajasthan, Gujarat, Madhya Pradesh and Chhattisgarh.
Special features: High yielding, short duration popcorn hybrid (80-85 days), attractive grain colour with high popping percentage (>85 %), and moderately tolerant to Charcoal rot and Fusarium stalk rot diseases, responsive to high inputs, due to short duration it can be fit in many cropping systems.

Baby Corn Hybrids

IMHB 1532



Parent: IML 127-1 × IML 242-1
Year of release: 2018
Gazette Notification:
S.O. 6318(E)S.N.41
Type of corn: Baby corn
Season: Kharif
Yield: 1.5-2.0 t/ha (De-husked baby corn)
Maturity: Medium (55-60 days baby corn crop)
Recommended for cultivation in: Punjab, Haryana, Delhi, Uttarakhand, Uttar Pradesh

(Western region), Rajasthan, Gujarat, Madhya Pradesh and Chhattisgarh.

Special features: High yielding female line, Medium duration (55-60 days baby corn crop), attractive colour prolific, tolerant to Curvularia leaf spot and Charcoal rot diseases.

IMHB 1539

Parent: HKI 1105 × IML 127-1

Year of release: 2018

Gazette Notification:

S.O. 6318(E)S.N.42

Type of corn: Baby corn

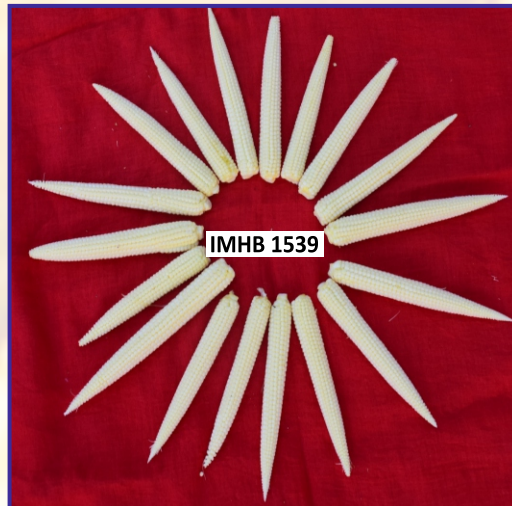
Season: Kharif

Yield: 1.3-1.5 t/ha (De-husked baby corn)

Maturity: Early (50-55 days baby corn crop)

Recommended for cultivation in: Jammu & Kashmir, Himachal Pradesh, Uttarakhand (Hill region), Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh.

Special features: High yielding female line, short duration (50-55 days baby corn crop), attractive creamy colour baby corn, prolific, tolerant to Turcicum leaf blight, Maydis leaf blight, Charcoal rot and Banded leaf and sheath blight diseases, due to short duration it can be fit in many cropping systems.



IMH 223



Parent: MIL 2-274-1 × BML 7

Year of identification: 2022

Gazette Notification: yet to be notified

Type of corn: Normal field corn

Season: Rabi

Yield: 10.48 t/ha

Maturity: Medium (125-130 days)

Recommended for cultivation in: Punjab, Haryana, parts of

Uttarakhand, New Delhi and Western Uttar Pradesh.

Special features: Moderately resistant to *Chilo partellus* insect, Charcoal rot, Turcicum leaf blight, resistant to Maydis leaf blight and Fusarium stalk rot (FSR) diseases, responsive to high inputs.

IMH 224

Parent: MIL 2-801-1 × MIL 2-1299-5

Year of identification: 2022

Gazette Notification: yet to be notified

Type of corn: Normal field corn

Season: Kharif

Yield: 7.23 t/ha

Maturity: Medium (85-90 days)

Recommended for cultivation in: Eastern Uttar Pradesh, Bihar, Jharkhand, Odisha and West Bengal.

Special features: Moderately resistant to *Chilo partellus* insect, Maydis leaf blight, Turcicum leaf blight, Charcoal rot, resistant to Fusarium stalk rot (FSR) diseases, responsive to high inputs.



Quality Protein Maize Hybrids

LQMH 1

Parent: IML 343-1 × HKI 163

Year of release: 2020

Gazette Notification: S.O. 3482 (E)
S.N.38

Type of corn: Quality Protein Maize (QPM)

Season: Kharif

Yield: 8.0-8.5 t/ha

Maturity: Early (In Hill: 95-100 days;
Other places: 80-85 days if grown)

Recommended for cultivation in:

Jammu & Kashmir, Himachal Pradesh, Uttarakhand (Hill region), Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh.

Special features: High yielding, short duration, attractive yellow grain colour, high in mean tryptophan (> 0.70) and lysine (3.0-3.5%) content, protein content ranges from 9.0-9.5%, good tip filling, tolerant to *Chilo partellus* Turicum leaf blight and Banded leaf and sheath blight diseases, responsive to high inputs, due to short duration it can be fit in many cropping systems.



IQMH 202



Parent: DQL 2209 × DMRQPM 106

Year of release: 2021

Gazette Notification:
S.O.500(E) 29.01.2021

Type of corn: Quality Protein Maize (QPM)

Season: Kharif

Yield: 7.2 t/ha

Maturity: Medium (96 days)

Recommended for cultivation in: Punjab, Haryana, Delhi, Plains of Uttarakhand and Western Uttar Pradesh.

Special features: High yielding, medium duration, attractive orange grain colour, high in mean tryptophan (> 0.66 %) and lysine (3.05%) content, protein content 8.9 %, good tip filling, moderately tolerant to *Chilo partellus* and Maydish leaf blight (MLB), responsive to high inputs, due to short-medium duration it can be fit in many cropping systems.

IQMH 203

Parent: DQL 2192 × DMRQPM 106

Year of release: 2021

Gazette Notification:
S.O.500(E) 29.01.2021

Type of corn: Quality Protein Maize (QPM)

Season: Kharif

Yield: 6.3 t/ha

Maturity: Medium (89 days)

Recommended for cultivation in: Rajasthan, Gujarat, Madhya Pradesh and Chhattisgarh.

Special features: High yielding, medium duration, attractive orange grain colour, high in mean tryptophan (> 0.77 %) and lysine (3.48%) content, protein content 8.1 %, good tip filling, moderately tolerant to *Chilo partellus*, Fusarium stock rot (FSR) and Curvularia leaf spot (CLS) responsive to high inputs, due to short-medium duration it can be fit in many cropping systems.



Low Phytic Acid Maize Hybrid

PMH 1-LP



Parent: LM13-LP3 × LM14-LP4

Year of identification: 2022

Gazette Notification: yet to be notified

Type of corn: Low Phytate Long Duration Corn

Season: Kharif

Yield: 9.56 t/ha

Maturity: Long duration (125-130 days)

Recommended for cultivation in: Punjab, Haryana, Western Uttar Pradesh and Plains of Uttarakhand

Special features: High yielding, low phytic acid, moderately resistant against Maydis leaf blight, Turicum leaf blight, Charcoal rot and Maize stem borer