

**ICAR-Indian Institute of Maize Research and
All India Coordinated Research Project on Maize
PAU Campus, Ludhiana**

**Corona (COVID-19) lockdown gi matam ga mari leinana chujak thaba lousisingna
tougadaba paotaksing**

Ningthamthada thaba chujakki mahei asina chang manana maru changba amasung chaoba henbana industry singda yamna mamal yamlaba mahei marong ama oiri. Anisuba advance estimate ki matung inna, ningtham panthada chujak asi lou pari lakh 15.54 da thari (Table 1) amasung pothokna 82.19 lakh tonnes oiba yai haduna panari. Ningtham chujak thaba mafamsingi manungda Bihar na lou pari lising 278 da chaorakna bhara ki oina 18 % thaduna makok oiri loina loinana West Bengal na lou pari lising 211 (14%) amasung Maharashtra na lou pari 198 thaduna mathang manao naina leiri. Atoppa maru oiba ningtham chujak thaba rajya singdi Andhra Pradesh (lou pari lising 183), Tamil Nadu (lou pari lising 181), Telangana (lou pari lising 163), Gujarat (lou pari lising 129), Karnataka (lou pari lising 87), Uttar Pradesh (lou pari lising 59) amasung atoppa rajyasing (Rajasthan, Madhya Pradesh, Jharkhand, Odisha nachingbani). Ningtham chujak thaba rajya singi marakta Andhra Pradesh na khwaidagi chathok henna puthokpa (lou pari amada kg 7678) rajya oiri matung tarakpada Tamil Nadu (lou pari amada kg 5468), Telangana (lou pari amada kg 5383) amasung West Bengal (lou pari amada kg 5158) na oiri. Bharat pumbagi oina, Andhra Pradesh amasung Telangana Rajya ani asina hybrid maru singi kwaidagi maru oiba hourakfanni, masi maru oina ningtham panthada puthokpani. Handakta houkhiba matam khara asida West Bengal su hybrid maru puthokpangi maru oibba mafam ama oirakli. Maram asina, lousising amasung rajyasingda achouba thoudang louriba mioising loina loinana stakeholder singna ningtham chujak sing asibu COVID-19 gi lockdown gi matam asidagi ngakthoknaba tangaifadraba khongthangsing loukhakpa mathou tai.

Table 1: Anisuba advance estimate 2019-20 gi matung inna tongan tonganba rajya singda thariba ningtham chujak ki mafam (lou pari lising) amasung houjik houjik oiriba pambigi chaokhatlakpa gi tangkak.

Rajya	Mafam	Pambi Chaokhatlakpangi tangkak
Bihar	278.4	Maru Changba
West Bengal	210.6	Maru Changba
Maharashtra	198.3	Lokpa yarakadouraba
Andhra Pradesh	183.0	Lokpa yaraba
Tamil Nadu	180.7	Lokpa yaraba
Telangana	163.0	Lokpa yaraba
Gujarat	129.4	Lokpa yaraba
Karnataka	87.4	Lokpa yarakadouraba
Uttar Pradesh	59.0	Maru Changba
Others	64.6	Maru Changba / Lokpa yaraba
All-India	1554.4	

Peninsular Zone (PZ)

Peninsular zone asi maru oina ningtham chujak thabagi aing asaga khwaidagi henna chanaba mafamni, mafam asida lou pari lakh 8 henbada afaba makhalgi sha ngagi machinjak amasung industry singda starch puthoknaba ningtham chujak thari. Mafam asida ayambana chujak sing asi maru changba/lokpa yaraba tangtak ni. Asigumlaba aing asaga chanaraba mafam asida chujak pambi sing asi maru lokpa yabagi matam yourakle adubu thananaba maru puthokpa mafamsingdadi chujak lokpaga thabak asi hanana hounakhre. Bharat ki Peninsular gi mafam kayada chujak pambi sing asi lokpa yabagi tangkak yousinlakle adubu lockdown na maram oiduna maru lokpa, kanghanba amasung maru khikpaga thabak thouram kharada apanba piri. Masida natana thananaba maru puthokpa, yonnabagi processing, packing amasung puthok pusin toubadasu sokhali. Adum oinamak, chujak lokpaga amasung processing toubagi thabak thouramsing asi maru oina machine sijinaraga toubanina atenba matamda mioi yamna chandana amasung punsandana toubu ngamgani. Panba yai madudi, ayamba fibamsingda chujak maru puthokpa amasung processing toubagi thabak thouramsing asi tongan tonganba mafamsingda khaidoklaga touwe, rajya ani khakki mafam kharada nattana (Andhra Pradesh amasung Telangana). Rajya amaga rajya maga combined harvester (chujak lokanaba machine) puthok pushin toubasu yai mashina chujak lokpadasu henna khudongchaba kaya piri adubu combined harvester natraga maru puthok pushin gi gari thouriba natraga sennariba mioi sing aduna rajya amadagi rajya amada chathok chatsin toubada COVID-19 santorakpa yabagi maram amadi oihanli. Asigumlaba phibam asida, driver/machine panariba meeoi sing asibu tongnana mi marakta pundana chujak lokpaga thabak thouram toubada ayaba piba yai. Makhoigi hakshel gi phibam da corona gi laichak lakpra yengnaba chang naina yengsingadabani. Asoi angam yaodanaba checksin thourang loukhakpa oina market ta thadoktringeida maru lokpa amasung kanghanba matamda mirak tindaba, mask amasung hand sanitizer sijinagadabani. Maru lokpa amasung labukki thabak thouram singda sijinagadaba labour sing adu toina chathok chasin toudanaba leikaida phangba amasung akhangba sinmising oibana henna phei. Seed processing unit ki thabak thouramsingda heisinglaba sinmi singna batch naina, mi pundana amasung lu nanbagi pambeisinga loinana thabak toubagi ayaba piri. Seed processing amasung packeting hek loibaga nongju panthaba thagadaba mafamsingda puthoktringeida seed packet sing adubu manilgi/meikhugi (fumigation) hidak chaigadabani. Seed company singda makhoigi seed ki thamfam amasung seed packet adubu khutloiriba singmisingda fumigation/disinfectant kaphoknanaba yathang pigadabani. Pankhriba thouramsing asi lalon etik touriba singi thakta youhangadabani masina seed amasung seed packet sing aduna loumi singda leina lounarakpaga hourakpham oibadagi ngakthokpa ngamgani.

Bharat ki peninsular da, chujak asi mahei marong oina thanei mafam asida chujak sing asibu kanghanbada, maru khikpada amasung yonbada loumising awaba mayoknaba yai haina panari. Loumisingna chujak asibu heklaba matungda processing tounaba sinmising fangdaba maramna, makhoina yonningdana ataba malalda yonba tari. Masida chujak sing asibu mana mashing yonfanda akannaba areppa mamalda fanghanaba sarker gi mityeng changba tangaifade. Farmer singna chujak sing asibo mamal tana yoningdana yonbadagi ngakthoknanaba chujak sing asibu liduna thamba yanabagi khudongchaba sing leikai leikai thakta thamba tangaiphade. Karigumba mafam kharada len tabana maram oiduna chujak singbu amang ata thokhalabadi, sokhallaba loumising aduda sarkarna chanaba tengbangsing pibiba darker oi.

North Eastern Plain Zone (NEPZ)

Bihar amasung West Bengal da ningthamthada thaba chujaksina henna thanei. Biharna pari lising 278 ningthamthagi chujak thaduna chada 18% mafam kanduna bharat pumbagi makok oiri. West Bengalna pari lising 211 chujak thaduna chada 14% mafam kanduna bihargi hak mathangda leiri. Houkhiba chahi kharasida West Bengal hairiba mafam asi yamna maru oiba hybrid seed puthokpagi rajya ama oirakli. Mafam kharadasu kalen gi chujak asi yamna maming lairakli.

Houjik COVID 19 leichat sina bharat pumba lockdown chathariba maraksida bihar amasung West Bengal da houriba ningthamthagi chujakpambising asi maru changakpagi tangkak oire. Tangkak asi chujaki yamna maru oiba tangkak ama oibana chaksin thorang khara loubatei. Maramaduna chujak pambisingdu matam chana esing chaibiba, laina tinadagi ngakthokaba thourang loukhakpa tangai phade. Masigi tangkak asida chaksin houdragadi chujaki pothokta yamna hanthabagi maram ama oigani. Aroiba oina maru lounabagidamak chujak houriba mafam adudagi pambi wangba manadaba, chouba hendaba pambi, leina tinana manghanlaba pambi louthokpigadabani. Bihargi mafam kharada nganna thaba chujakti April ge tarik kungi (20) matungdadi mapung marei farane amadi mahei logpa houba yarani.

Bihar amasung West Bengal gi mafam ayamba chujak lokpasi khutna oina touwe maram aduna chujak lokpa matamda lousising punna punna thabak sumnadaba, amaga amaga lapna lapna thabak toudouna chaksin thourang sing asi loubigani. Chujak lokpa matamda masak khangba leikaigi oiba afangba sinmi oina sijinnabiyu masina lousising chathok chatsin toubadagi ngakthokpa ngamgani. Chujak loklaba matungda lousi singna maru khiktringai, liraga thamdrengei mamangda chujak adu fajana kanghangadabani. Lockdowna maram oiraga chujak thariba lousisingna chujak loknabagi amadi loklaba matungda processing tounabagi sinmi thibada awaba mayoknaramgani. Maram aduna chujak adu namfuda upai leitabadagi yonkhiba yai. sarkarna mityeng changbiduna chujak maru singdu soidana sarkar gi areppa mamalda fangnaba leikaigi mana mashing yonphamda natraga anouba mafamda matam kharagi oiba chujak yonbagi centre ama sembigadabani. Chujak maru liraga thamnabagi khudongchaba adu khunggangi thakta thambigani masina lousi singna mamal henna taana yonbadagi ngathokpa ngamgani. Godowns punnamak fajana sengdokpigani amasung fumigate toubigani chujak thamdringai mamangda masina maru chaba tin kangdagi ngakthokpa ngamgani.

Bihar amasung West Bengal gi mafam kharada kalen gi chujak asi yamna maming chatli, chourakna mafam pari lising 150 henbada thanari. Ayambana kalen chujak asi February thada thanei, chujak pambi asi houjik mayai oirabna chaobadagina anganbagi lei satpagi tangkak youramlagani. Maram aduna chujak pambi adu toina yengsinbiba haibadi leina tina tabra haina, esing chaibra, anisuba tankaki haar haplibra heina. Esing chaiba, laina tinagi hidak chaiba amasung haar hapiba matamda pullap punna thabak touminabagi mathou oidey. Lousi singda

haijari madudi chujak houraba matungda napi hidak Tembotrione 42%SC @ 115 ml/acre natraga Topramezone 33.6% SC @30 ml/acre asi napi houbadagi ngathoknaba sijnabiyu. Sarkarna Chujak thariba lousinda maru oina chujaak thabada changdaba yadraba napi hidak, urea haar fanghanbigadabani. Baby corn amasung sweet corn yonabagi khudong chaba adusu sarkarna sinbigadabani.

Bihar amasung West Bengal asi yamna toina matam chadana len taganli April thadagi houraga, maduna chujak pambi houraga leiba natrage loknaba thamba pambida yamna sokhanli. Houjik chujak pambi asi maru changba matam oirabanina chaksin thourang oina crop insurance yaobiba yai. Chujak lokpa matamda Combined harvesters sijnabiyu. Combined harvester sijnabana chujak yamna thuna matam changdana lokpa ngami amadi mayam punna thabak subadagi ngathokpa ngamgani. loklaba chujak marudu nungsada kanghanba amasung maru khikpagi thabak adu leikaigi thakta madu toubigani. Asumna kanghanlaba, khiklaba chujak maru subsidized rate ta firm da thabigani aduga firm aduda marusingdu khanghanabagi khudongchaba adusu hangbigani. Chujak lalol etik toubagi matang asi fajana samba organise sector oidri masigi matangda, eikhoina middleman amasung yengi machinjak ki chanaba samnanaba factories toubasingna farm touba mafamdagi chujak leiri. Loumi singna makhoigi pothok adu mamal tana yondanabagi sarkar gi areppa mamal semnaba sarkar na mityeng changba darkar oiri. Eikhoina khangjanba yabadi karigumba chujaki maru asi fajana piba ngamdrabadi, yen amasung yengi machinjakgi industry touribasingda yamna sokani, masina maram oiduna yamna chouna tungda amangba oiba yai.

North Western Plain Zone (NWPZ)

North Western Plain gi rajya singi manungda, Punjab, Haryana, Western Uttar Pradesh dadi kalen gi chujak asina punna lou pari lakh 1.5 thaduna maru oiba pothok ama oiri. Zone asida loumi singna kalen gi chujak, baby corn amadi sweet corn sing loubukta thanari. Maru hunba matam asi ayambna February da oikhre – houjik na chujak asi pungkak chouduna lei satpa heure. Maram aduna, pambi sing asibu chang naina yengsinbiduna hapham thokpa har hapigani amadi esing chaibigani, leina tinna dagi ngakthoknaba hotnabigani. Pambi sing na khu muk wanglakpa matam natraga lei satlakpa matam asi pambi gi pothok hengathanbada yamna maru oiba matam ama oibana urea chaibiba, esing amadi napi na chingba louthokpiduna fajana thambigadabani.

Loumisingna napihidak (post emergence) Tembotrione 42% SC @ 115 ml/acre natraga Topramezone 33.6% SC @ 30 ml/acre asi napidagi kannanabagi damak chujak thariba loubuk ta chaibiba yai. Makha tarkpa oina loumisingna karamba makhalgi tin kang tarakpage haiduna munna yengsinbigani, maru oina fall armyworm tabra yengbiduna anganba matmda ngakthokhounaba cheksin thourang laobigani. Esing chaiba, rasayan gi hidak amadi har chaibagi thabak asi mi echang changdana touba yaba thabak sing oibana mi pundana (social distance) mapung fana pangthokpa ngamgani. Mari leinariba rajyasing adugi sarkar singda changadaba har (urea), napihidak amadi tilhidak sing fanghanbada mateng pangbinaba ningsingjari. Baby corn amadi sweet corn singdi mtm chana hekhoudrabadi keithel da sitpa watpana maramoiduna matam chana hekpiraga yonbigadabani. Matang asida, sarkar na pothoksing asi yonaba keithel gi khudong chaba adu loumi singgi sinbigadabani. Chujak thariba mafm aduda fangba khutlang sing nekpida arappa mafm dagi khutlang chathok chatsin taoba hanthahanduna COVID 19 leina asi sandokpa hanthahalasi.

Central Western Zone (CWZ)

Zone asida Rajasthan, Gujarat, Chhatisgarh amadi Madhya Pradesh ki rajyasing asi chali amadi ningtham chujakna lou pari lakh 1.ta thari. Houjikki fibamda chujak asi maru changlakpa natraga hekpa yabagi fibam da leiri. Maru changlakpa mtm oirabadi loumisingna pambi sing adu esing amuktang chaibigani natrabadi chujak marusing adu piksindunna chaoba ngamdana leikhragani. Chujak hekpa amadi khiktokpa matamda mi pundanaba hotnabigadabani. Mafam aduda fangba khutlang sing damak nekpida COVID 19 leina sandokpa thingnaba cheksin thourang loubigadabani. Loumisingna mask amadi sanitizer sijinabigadabani. Zone asigi loumi sing su chujak yonfam laitabagi khudong chadabana maram oiduna hongna yonthokpa tarakpigi fibam thengnabagi chang yamna wangi. Maram aduna sarkar amadi atei stakeholder singna mityeng changbiduna thorak eba chujak ki pothok asibu sarkar gi areppa mamal da yonba ngamhanaba sibigadabani.

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