



भारत सरकार
GOVERNMENT OF INDIA

भारतीय पौधा किस्म जर्नल

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पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
एनएएससी काम्प्लैक्स, डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली-110012

PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
NASC COMPLEX, DPS MARG, Opp. Todapur Village, New Delhi-110012



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भारतीय पौधा किस्म जरनल, खण्ड 13, अंक 11
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‘भारतीय पौधा किस्म जर्नल’ पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि.कृ.अ.सं.प्रा.) का आधिकारिक जर्नल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआरए, एनएएससी काम्प्लेक्स (द्वितीय तल), डीपीएसमार्ग, निकट टोडापुर गांव, नई दिल्ली-110012 की ओर से प्राधिकरण के रजिस्ट्रार द्वारा प्रकाशित किया जा रहा है।

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विषय-सूची

क्र.सं. Sl.No.	मद Index	पृष्ठ सं. Page no.
1.	सार्वजनिक सूचना (2019 की 14): पीपीवी और एफआरए अधिनियम, 2001 की धारा 20(1) – व्यक्तिगत प्रजनक और कृषकों द्वारा जमा किए गए आवेदनों के संबंध में। Public Notice (14 of 2019): Distinction regarding applications filed by individual breeder and farmer – Section 20(1) of PPV&FR Act, 2001.	5
2.	सार्वजनिक सूचना (2019 की 15): पीपीवी और एफआरए नियम, 2003 के नियम 22(6) के तहत पंजीयक द्वारा जारी किए गए आदेश की अवज्ञा के लिए जुर्माना। Public Notice (15 of 2019): Imposition of penalty for disobedience to order issued by Registrar under Rule 22(6) of PPV&FR Rules, 2003.	6
3.	सार्वजनिक सूचना (2019 की 16): परवल, काँसंड्रा और लोबिया के डीयूएस परीक्षण दिषानिर्देशों के अनुमोदन की सार्वजनिक सूचना। Public Notice (16 of 2019): Public Notice of approval of DUS test guidelines of Pointed Gourd, Crossndra and Cowpea.	7
4.	सार्वजनिक सूचना (2019 की 17): परवल, काँसंड्रा और लोबिया के विभिन्न प्रकार के पंजीकरण के लिए समय सीमा। Public Notice (17 of 2019): Time limit for registration of Extant variety of Pointed Gourd, Crossndra and Cowpea.	8
5.	सार्वजनिक सूचना (2019 की 18): परवल, काँसंड्रा और लोबिया के डीयूएस परीक्षण शुल्क और आनसाइट डीयूएस परीक्षण शुल्क। Public Notice (18 of 2019): DUS test fees and onsite DUS test fees of Pointed Gourd, Crossndra and Cowpea.	9
6.	सार्वजनिक सूचना (2019 की 19): संशोधित वार्षिक शुल्क रिटर्न प्रपत्र। Public Notice (19 of 2019): Revised Annual Fee Return Form	10
7.	सार्वजनिक सूचना (2019 की 20): पीपीवी और एफआर विनियम, 2006 का विनियमन 6 – बीज अधिनियम 1966 की धारा 5 के तहत अधिसूचित किस्मों के लिए डीयूएस के मानदंड। Public Notice (20 of 2019): Regulation 6 of PPV&FR Regulations, 2006 - Criteria of DUS for Extant Varieties Notified under Section 5 of Seeds Act, 1966	12
8.	पीपीवी और एफआर प्राधिकरण की 32वीं बैठक – पीपीवी और एफआर नियम, 2003 के नियम 30(2) – डीयूएस परीक्षण के दौरान निरीक्षण – आवेदन और शुल्क। Public Notice (21 of 2019): 32 nd Meeting of PPV&FR Authority – Rule 30(2) of PPV&FR Rules, 2003 – Inspection of variety during DUS testing-Application and fees	15
9.	पंजीकरण प्रमाण-पत्र के वार्षिक शुल्क के भुगतान का विवरण प्राधिकरण की वेबसाइट पर पोस्ट किया जाएगा। Public Notice (22 of 2019): Dispense with the endorsement of details of payment of annual fee on the annexe of registration certificate and the payment details will	16

	be posted in the website of the Authority	
10.	एकल उपयोग प्लास्टिक में पैक किए गए बीजों को स्वीकार नहीं किया जाएगा। Public Notice (23 of 2019): Non acceptance of seeds packed in single use plastic	17
11.	सार्वजनिक सूचना : कृषक किस्मों के पंजीकरण के लिए पौधा किस्म और कृषक अधिकार संरक्षण अधिनियम, 2001 की धारा 21 की उप धारा (2) और (3) के अंतर्गत दिया गया विज्ञापन [पीपीवी और एफआर नियमावली 2003 के नियम 30 और 31 के साथ पढ़ी जाने वाली धारा 2(i)(ii)] Public Notice: Advertisement is given under sub-section (2) and (3) of Section 21 of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and Rules 30 and 31 of PPV & FR Rules, 2003	18

12. संबंधित व्यक्तियों से आपत्ति(यां) आमंत्रित करने के लिए (यदि कोई हों), 47 किस्मों के प्रकाशित पासपोर्ट आंकड़े

Passport Data of 47 varieties published for calling objection(s) if any from persons in the matter.

क्र.सं. S. No.	पावती सं. Acknowledgement No.	नाम Denomination	फसल Crop	श्रेणी Category	पृष्ठ सं. Page No.
1.	आरइजी/2010/231 REG/2010/231	केएमएल 5164 KML 5164	मक्का Maize	नई New	19
2.	आरइजी/2014/352 REG/2014/352	सीजेड 170-एनएम CZ170-nm	मक्का Maize	नई New	20
3.	आरइजी/2014/354 REG/2014/354	बायो 82015 एचआई BIO 82015HI	मक्का Maize	नई New	22
4.	आरइजी/2015/2074 REG/2015/2074	पीएच 2 ए 7 एस PH2A7S	मक्का Maize	नई New	25
5.	आरइजी/2011/1299 REG/2011/1299	पीएच 234 PH234	मक्का Maize	विद्यमान (वीसीके) Extant (VCK)	26
6.	आरइजी/2014/630 REG/2014/630	एनएम-183 NM - 183	मक्का Maize	नई New	28
7.	आरइजी/2016/961 REG/2016/961	एमजेड 14 एस 028 एन MZ14S028N	मक्का Maize	नई New	30
8.	आरइजी/2016/960 REG/2016/960	एमजेड 14 एस 022 एन MZ14S022N	मक्का Maize	नई New	32
9.	आरइजी/2011/73 REG/2011/73	आईआईएसआर शक्ति IISR SHAKTHI	काली मिर्च Black pepper	विद्यमान (वीसीके) Extant (VCK)	33
10.	आरइजी/2018/515 REG/2018/515	फूले स्वरूपा (डीटीएस 222) Phule Swarupa (DTS 222)	हल्दी Turmeric	विद्यमान (अधिसूचित) Extant (Notified)	35
11.	आरइजी/2015/1029 REG/2015/1029	ए.एच.जे.पी-07 (एचजेपी-07) A.H.J.P-07 (HJP-07)	अरहर Pigeon pea	कृषक Farmer	37
12.	आरइजी/2015/1028 REG/2015/1028	ए.एच.जे.पी-09 (एचजेपी-09) A.H.J.P-09 (HJP-09)	अरहर Pigeon pea	कृषक Farmer	38

13.	आरइजी / 2015 / 400 REG/2015/400	देसी मटर छोटका Desi Matar Chotka	मटर (दलहन) Field pea	कृषक Farmer	39
14.	आरइजी / 2015 / 403 REG/2015/403	देसी मसूर गोल Desi Masoor Goal	मसूर Lentil	कृषक Farmer	41
15.	आरइजी / 2015 / 367 REG/2015/367	देहाती मसूर-1 Dehati Masur-1	मसूर Lentil	कृषक Farmer	43
16.	आरइजी / 2017 / 1 REG/2017/1	गुजरात जूनागढ़ अरहर 1 Gujarat Junagadh Pigeonpea 1	अरहर Pigeon pea	विद्यमान (अधिसूचित) Extant (Notified)	44
17.	आरइजी / 2016 / 103 REG/2016/103	मोथी मनी जुवार MOTHI MANI JUWAR	ज्वार Sorghum	कृषक Farmer	46
18.	आरइजी / 2014 / 137 REG/2014/137	लुरकी LURKI	बैंगन Brinjal	कृषक Farmer	47
19.	आरइजी / 2019 / 74 REG/2019/74	पीएसपी 84 PSP84	बाजरा Pearl millet	Extant (Notified)	49
20.	आरइजी / 2019 / 75 REG/2019/75	पीएसपी 94 PSP94	बाजरा Pearl millet	Extant (Notified)	51
21.	आरइजी / 2019 / 76 REG/2019/76	पीपी 78 PP78	बाजरा Pearl millet	Extant (Notified)	53
22.	आरइजी / 2019 / 77 REG/2019/77	पीपी 106 PP106	बाजरा Pearl millet	Extant (Notified)	54
23.	आरइजी / 2015 / 398 REG/2015/398	देसी सफेद Desi Safed	मसूर Lentil	कृषक Farmer	56
24.	आरइजी / 2015 / 370 REG/2015/370	देसी सफेद-2 Desi Safed-2	मटर (दलहन) Field pea	कृषक Farmer	58
25.	आरइजी / 2015 / 408 REG/2015/408	देसी मटर छोटा-2 Desi Matar Chota-2	मटर (दलहन) Field pea	कृषक Farmer	59
26.	आरइजी / 2013 / 923 REG/2013/923	ओके-425 OK- 425	भिण्डी Okra	विद्यमान (वीसीके) Extant (VCK)	61
27.	आरइजी / 2010 / 495 REG/2010/495	एफएन-9022 FN-9022	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	63
28.	आरइजी / 2016 / 105 REG/2016/105	मोथी सफेद जुवार MOTHI SAFED JUWAR	ज्वार Sorghum	कृषक Farmer	65
29.	आरइजी / 2016 / 102 REG/2016/102	चिंकी लाल (लूज़ पेंसिल) CHINKI LAL (LOOSE PENICILE)	ज्वार Sorghum	कृषक Farmer	66
30.	आरइजी / 2015 / 395 REG/2015/395	देसी लाल Desi Lal	मसूर Lentil	कृषक Farmer	68
31.	आरइजी / 2015 / 287 REG/2015/287	चना-15 Chana-15	चना Chickpea	कृषक Farmer	69
32.	आरइजी / 2015 / 312 REG/2015/312	चना-1 Chana-1	चना Chickpea	कृषक Farmer	71
33.	आरइजी / 2015 / 316 REG/2015/316	चना-2000 Chana-2000	चना Chickpea	कृषक Farmer	72
34.	आरइजी / 2014 / 1261 REG/2014/1261	एम 018 M018	चावल Rice	नई किस्म New variety	74
35.	आरइजी / 2010 / 333 REG/2010/333	वीसी-22 VC-22	चतुर्गुणित कपास Tetraploid Cotton	विद्यमान (वीसीके) Extant (VCK)	76
36.	आरइजी / 2013 / 1251 REG/2013/1251	छाफरा सेल CHAFRA SAIL	चावल Rice	कृषक Farmer	78
37.	आरइजी / 2013 / 1256 REG/2013/1256	ढोल मेघ DHOL MEGH	चावल Rice	कृषक Farmer	79

38.	आरइजी / 2013 / 1262 REG/2013/1262	कार्टिक सेल Kartic Sail	चावल Rice	कृषक Farmer	81
39.	आरइजी / 2013 / 1270 REG/2013/1270	अग्नि सेल Agni Sail	चावल Rice	कृषक Farmer	83
40.	आरइजी / 2013 / 1277 REG/2013/1277	एस 100 As 100	चावल Rice	कृषक Farmer	84
41.	आरइजी / 2014 / 445 REG/2014/445	पीवी-पी3812 / 1 बीजी- II PC - P3812/1 BG-II	चतुर्गुणित कपास Tetraploid Cotton	नई किस्म New variety	86
42.	आरइजी / 2014 / 827 REG/2014/827	सोलर 56 बीजी II SOLAR 56 BGII	चतुर्गुणित कपास Tetraploid Cotton	विद्यमान किस्म Extant variety	89
43.	आरइजी / 2014 / 1177 REG/2014/1177	कोटकी KOTKI	चावल Rice	कृषक Farmer	91
44.	आरइजी / 2014 / 1178 REG/2014/1178	केले KELE	चावल Rice	कृषक Farmer	93
45.	आरइजी / 2012 / 63 REG/2012/63	एसवी-317 SV-317	द्विगुणित कपास Diploid Cotton	नई किस्म New variety	95
46.	आरइजी / 2009 / 181 REG/2009/181	एनसी-130 NC-130	चतुर्गुणित कपास Tetraploid Cotton	विद्यमान किस्म Extant variety	96
47.	आरइजी / 2009 / 248 REG/2009/248	एनसी-1130 बीटी NC-1130 Bt	चतुर्गुणित कपास Tetraploid Cotton	विद्यमान किस्म Extant variety	100

PUBLIC NOTICE

(14 of 2019)

**Sub:- Distinction regarding applications filed by individual breeder and farmer -
Section 20(1) of PPV&FR Act, 2001.**

Varieties bred by an individual defined as farmer as per Section 2 (k) of PPV&FR Act, 2001 by resorting to creation of genetic variability using non-traditional crop varieties as source or parental lines shall qualify as “new varieties” for the registration purposes, which will require fulfilment of all forms, fees etc as per relevant rules/ regulations related to new varieties.

Sd/-

**(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

(15 of 2019)

Sub:- Imposition of penalty for disobedience to order issued by Registrar under Rule 22(6) of PPV&FR Rules, 2003.

Under Rule 22(6) of PPV&FR Rules, 2003, any public or private institution community or individual involved in the production and use of seed of any variety shall be required to provide full information on its characteristic or and a true sample of seed of such variety. Breeders are to provide sample of the seeds of registered varieties to be used as reference varieties. Accordingly, if the registered breeder or any other custodians of seed fail to provide true sample of the concerned seeds, such persons are liable to pay the penalties as imposed by the Registrar invoking Section 11 of the PPV&FR Act, 2001 read with Rule 22(6) of PPV&FR Rules, 2003.

Sd/-

**(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

(16 of 2019)

The PPV&FR Authority in its 32nd meeting held on 25th September, 2019, has approved under Rule 29(9) of PPV&FR Rules, 2003, the DUS Test Guidelines for following Crop Species published in the PVJ namely:-

S. No.	Name of Crop Species	Published in PVJ
1.	Pointed Gourd (<i>Trichosanthes dioica</i> Roxb.)	August, 2019
2.	Crossandra (<i>Crossandra infundibuliformis</i> (L.) Nees.)	September, 2019
3.	Cowpea <i>Vigna unguiculata</i> (L.) Walp. ssp. <i>unguiculata</i> and <i>Vigna unguiculata</i> (L.) Walp. ssp. <i>sesquipedalis</i> (L.) Verdc.)	October, 2019

Sd/-
(R.C. Agrawal)
Registrar-General

PUBLIC NOTICE

(17 of 2019)

Under Rule 22(2) of PPV&FR Rules, 2003, the PPV&FR Authority in its 32nd meeting held on 25th September, 2019, has determined and fixed the time limit for registration of extant variety of the following crop species as follows:-

S.No.	Name of Crop Species	Published in PVJ	Time-limit for registration of Extant Notified Variety and Extant Variety about which there is Common Knowledge	Time-limit for registration of Farmers Variety
1.	Pointed Gourd (<i>Trichosanthes dioica</i> Roxb.)	PVJ Vol.13 No.3 to 8	3 years from the date of publication of approval of Authority in Plant Variety Journal of India	5 years from the date of publication of approval of Authority in Plant Variety Journal of India.
2.	Crossandra (<i>Crossandra infundibuliformis</i> (L.) Nees.)	PVJ Vol.13 No.9	3 years from the date of publication of approval of Authority in Plant Variety Journal of India	5 years from the date of publication of approval of Authority in Plant Variety Journal of India.
3.	Cowpea (<i>Vigna unguiculata</i> (L.) Walp.ssp.unguiculata and <i>Vigna unguiculata</i> (L.) Walp. ssp.sesquipedalis (L.) Verdc.)	PVJ Vol.13 No.10	3 years from the date of publication of approval of Authority in Plant Variety Journal of India	5 years from the date of publication of approval of Authority in Plant Variety Journal of India.

**Sd/-
(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

(18 of 2019)

In accordance with Rule 29(1)(a) of PPV&FR Rules, 2003, the PPV&FR Authority in its 32nd meeting held on 25th September, 2019 has approved the DUS test fees of the following crop species which are hereunder:-

S.No.	Name of Crop Species	Published in PVJ	DUS test fees	On-site DUS test fees
1.	Pointed Gourd (<i>Trichosanthes dioica</i> Roxb.)	PVJ Vol.13 No.3 to 8	Rs. 40,000/-	NA
2.	Crossandra (<i>Crossandra infundibuliformis</i> (L.) Nees.)	PVJ Vol.13 No.9	Rs. 20,000/-	NA
3.	Cowpea (<i>Vigna unguiculata</i> (L.) Walp.ssp.unguiculata and <i>Vigna unguiculata</i> (L.) Walp.ssp.sesquipedalis (L.) Verdc.)	PVJ Vol.13 No.10	Rs. 40,000/-	NA

Sd/-
(R.C. Agrawal)
Registrar-General

PUBLIC NOTICE

(19 of 2019)

The PPV&FR Authority in its 32nd meeting held on 25th September, 2019 has revised the annual fee return form under Rule 22 of PPV&FR Rules, 2003. Henceforth, the annual fee return form must be filed in the revised format only as approved by the Authority. The revised annual fee return form are as follows

ANNUAL FEE RETURN FORM

(Section 35 and 24(6) read with Rule 22)

Year: _____

1. NAME OF REGISTERED BREEDER _____
2. PAN OF REGISTERED BREEDER _____
3. Crop _____
4. Denomination of Registered Variety _____
5. Category: NEW/VCK/ENV/FARMER _____
6. Registration Number _____
7. Certificate Number _____
8. Date of Registration _____ VALID UPTO _____

Category	Total seed available for sale during the financial year {including carry-over of revalidated seed of previous year} (Kg or no.)	Seed sold during the financial year _____ - _____ (Kg or no.)	Seed in stock as on 31 st March (2-3) (Kg or no.)	Average selling price (Rs./unit)	Sale Value (3x5) (In Rs.)	Annual Fee on sale (%of 6) (In Rs.)	Royalty, if any received during the F.Y. (In Rs.) Name of agent and licensee to be enclosed separately	Annual fee on royalty (% of 8) (In Rs.)	Total Annual Fee paid (7+9) (In Rs.)
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Breeder									

Seed									
Foundation Seed									
Certified Seed									
Labelled Seed									
Any other									
Grand Total of Annual Fee Paid to the Authority (give details of deposits)									

(in /kg/No. of units.)

Certified that the above information is true and correct.

Name with Signature of Regd. Breeder/Agent/Licencee

Date:

Place:

PUBLIC NOTICE

(20 of 2019)

Sub:- Regulation 6 of PPV&FR Regulations, 2006 - Criteria of DUS for Extant Varieties Notified under Section 5 of Seeds Act, 1966

The following criteria for Distinctiveness, Uniformity and Stability for registration of Extant Varieties Notified under Section 5 of Seed Act (1966) and under Section 14, Rule 29 (4) and Regulation 6 under PPVFR Act (2001) was approved by the Members.

1. The Guidelines shall be referred to the descriptors for recording of observations of the concerned crop along with the Trial/Evaluation system of the Variety for notification under the Section 5 of Seed Act (1966).
2. The trial for evaluation (VCU) itself should either be comprised of a reference variety as claimed by the Applicant or other qualifying/check varieties be considered whose DUS data are recorded by the evaluation centres along with that on the candidate variety. This information shall be part of the application at TQ (Item No 8 Form I/II, Regulation 6).
3. DUS descriptor data shall be made available as replicated data for at least two years from two locations where the evaluation trials are organized. Certified copy/ies of such information comprising data sheet as recorded duly signed by the Trial in-Charge or copy of the printed official proceedings or e-published data from official website or d.o.i. link of the e-version of the data record by the organization conducting the trials, shall have to be enclosed by the Applicant.

4. If there is no acceptability to the status of reference variety as defined in the Guidelines, then the Registrar shall utilize the database on DUS testing of the hitherto candidate or reference or registered varieties for declaring the Distinctiveness of the extant notified variety. This shall be reviewed by the ENVRC before recommending the decision of registrability to the Authority.
5. Since fresh seed is necessarily submitted each season for each variety promoted for testing for second and/or third year the observations of the evaluation system on absence of segregation/variants in the trials of the candidate variety shall suffice for establishing the Uniformity and Stability criteria of the variety. Certified copy/ies of such information comprising data sheet as recorded duly signed by the Trial in-Charge or copy of the printed official proceedings or e-published data from official website or d.o.i. link of the e-version of the data record by the organization conducting the trials, shall have to be enclosed by the Applicant.
6. Information submitted by the Applicant on DUS related data without link or attachment to the original documentation of the testing centres shall not be acceptable and such applications shall not be accepted for registration.
7. No application under extant notified category shall be accepted if the date of filing of the same exceeds a total period of 18 years in the case of vines and trees, and 15 years in the case of others respectively, from the date of Notification under the Seed Act (1966), or the authorised period for registration of the extant notified variety of the corresponding notified species, as notified in the Gazette of India from time to time.

There is no technical problem here since VCU is primary task, making any variety which passes that only shall come up for protection. Hence the reference variety

shall only be the other qualifiers or latest released varieties which are automatically the checks. This decision was a majority decision with one vote against.

Sd/-
(R.C. Agrawal)
Registrar-General

PUBLIC NOTICE

(21 of 2019)

Sub:- 32nd Meeting of PPV&FR Authority - Rule 30(2) of PPV&FR Rules, 2003 - Inspection of variety during DUS testing-Application and fees

As per the Rule 30(2) of PPV&FR Rules, 2003, before sending a variety for DUS testing, the Registrar shall publish in the Plant Variety Journal of India for the purposes of inspection by any person, the name and location of the DUS test centre where such variety will undergo the DUS testing. Accordingly, the details of the trial with the materials under test with details of the applicants along with the DUS test centre where it will undergo DUS testing will be published in the Plant Variety Journal to enable any person including the applicants or other breeders of India to file a request to the Registrar of the concerned crop for inspection of the specimen of the candidate variety during the DUS testing.

Any person may file a request to the Registrar of the concerned crop for inspection of the specimen of the candidate variety or any other variety of other breeders during DUS testing along with a fees of Rs. 5000/- (Rupees Five Thousand Only) per trial/ per day to inspect the trial materials under DUS testing. The inspection will be allowed for three hours only.

**Sd/-
(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

(22 of 2019)

Sub:- Dispense with the endorsement of details of payment of annual fee on the annexe of registration certificate and the payment details will be posted in the website of the Authority.

In the interface meeting between PPV&FRA and Seed Industry held at Hyderabad on 26th August, 2019 it was decided to dispense with the endorsement of details of payment of annual fee on the annexe of registration certificate and the details of payment will be posted in the website of the Authority.

**Sd/-
(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

(23 of 2019)

Sub:- Non acceptance of seeds packed in single use plastic.

In accordance with the Government norms it has been decided that henceforth applications accompanied with Seeds packed in single use plastic will not be accepted. The applicants may please take note of the same.

**Sd/-
(R.C. Agrawal)
Registrar-General**

PUBLIC NOTICE

Subject: Advertisement is given under sub-section (2) and (3) of Section 21 of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and Rules 30 and 31 of PPV & FR Rules, 2003.

The passport data of each variety furnished by the applicant are herewith advertised as specified for calling objections from any persons.

The place or places where the specimen of the variety may be inspected can be obtained in writing from the Registrar of the PPV & FR Authority.

Any person may, within three months from the date of advertisement of the application(s) give notice of opposition in writing to the Registration of variety (as per Form PV-3 of the First Schedule of PPV&FR Rules, 2003). Oppositions, if any, to the Registration must be submitted, in triplicate, to the Registrar, PPV&FRA, NASC Complex, DPS Marg, New Delhi -110 012 accompanied with the fee of Rs.10,000/- (Rupees Ten Thousand Only) by way of Demand Draft drawn in favour of "PPV & FR Authority" payable at New Delhi.

FORM O - 1
(See Rule 30)
Government of India, Plant Varieties Registry

1. Application No.

N27	ZM27	10	231
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 filed on 05.08.2010 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India** for **New** variety of crop **Maize** (*Zea mays* L.) having denomination **KML 5164** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : KML 5164
Applicant : Kaveri Seed Company Ltd.
Address of the applicant : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad - 500003, Telangana, India
Nationality of applicant : Indian
Application details
a. Number :

N27	ZM27	10	231
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b. Date of receipt : 05.08.2010
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : KML 5164
Type of variety : New
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of parental material : Base population (Selfing and sib mating)
Source of parental material : Own germplasm
Name of reference varieties : HKI 163, V 373

Variety description:

A. Grouping characteristics	Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)	Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late
Ear: Anthocyanin colouration of silks (Characteristic 12)	Present
Plant: Length (Characteristic 15.1)	Short
Ear: Type of grain (Characteristic 22)	Flint

B. Distinct characteristics of candidate variety: KML 5164 has distinguishing characters as late anthesis, anthocyanin colouration of silks present.		
C. Distinct characteristics of reference varieties: HKI 163 has distinguishing character as anthocyanin colouration of silks absent. V 373 has distinguishing character as medium anthesis.		
D. Date of commercialization of the variety		--
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to flowering (Early/Late)	Late
2.	The best growing season to attain the potential yield (Zone wise)	Rabi
3.	Name of cropping/ climatic zone in which the variety is recommended for cultivation	All maize growing zones of India.
4.	Resistance/ Tolerance to pest/ disease	Tolerance to PFSR
5.	Zone wise yield potential (q/ac) (average)	5-8 q/ac
6.	Seed yield q/ac (average)	5-8 q/ac
7.	Thousand grain weight (g)	280 g
8.	Any other measures to achieve the potential yield	Avoid thick sowing (10-15 cm plant to plant and row to row 45-50 cm). In time field operations need to be done to get maximum yield.

2. Application No.

N8	ZM21	14	352
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 filed on 12.02.2014 by **DCM Shriram Limited, 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001, India** for New variety of crop **Maize** (*Zea mays* L.) having denomination **CZ170-nm** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA-----, in respect of the said variety has been filed on - ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : CZ170-nm
Applicant : DCM Shriram Limited
Address of the applicant : 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001, India

Nationality of applicant : Indian

Application details

a. Number :

N8	ZM21	14	352
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b. Date of receipt : 12.02.2014

c. Date of acceptance : --

Crop (taxonomical lineage) : Maize (*Zea mays* L.)

Denomination : CZ170-nm

Type of variety : New

Classification of variety : Other (Inbred Line)

Previously proposed denomination : Not applicable

Name of parental material : BIO POPB9026D

Source of parental material : Own germplasm

Name of reference varieties : HKI 161, V 341

Variety description:

A. Grouping characteristics		Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (Characteristic 12)		Present
Plant: Length (Characteristic 15.1)		Short
Ear: Type of grain (Characteristic 22)		Flint
B. Distinct characteristics of candidate variety: CZ170-nm has distinguishing characters as short plant length, orange top of grain.		
C. Distinct characteristics of reference varieties: HKI 161 has distinguishing characters as medium plant length, red top of grain. V 341 has distinguishing characters as long plant length, yellow with cap top of grain.		
D. Date of commercialization of the variety		--
E. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Growth habit (determinate / indeterminate)	Determinate
2.	Days to flowering/anthesis (average)	56 days
3.	Days to physiological maturity (average)	91 days
4.	Seed rate q/ ac	0.06 q/ac
5.	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	As needed
	Inorganic (per ac or per plant)	0.60N : 0.30P : 0.30K q/ac

	Other fertilizers (per ac or per plant)	NA
6.	Spacing (cm) requirement to attain potential yield	
	Row to row	65-70 cm
	Plant to plant	20 cm
7.	Soil requirements to attain the potential yield	Loam to sandy loam
8.	Plant protection measures to attain the potential yield	Local DA recommendation
9.	Sowing window requirement to attain the potential yield (zone wise)	June-July
10.	Number of irrigations required to attain the potential yield (zone wise)	Depend on rainfall
11.	The best growing season to attain the potential yield	Kharif
12.	Cropping/climatic zone of India in which the varietal/hybrid trials were conducted	IV zone of maize
13.	Intercultural operations	2 time to control the weed
14.	Any other relevant information specific to the variety/hybrid	None
S. No.	Commercial attributes	Remarks
1.	Zone wise yield potential (q/ac) (average)	11 q/ac
2.	Seed yield (average)	10.52 q/ac
3.	Thousand grain weight (g)	270 g
4.	Length of ear head (average)	14 cm
5.	Plant height (cm) average	170 cm
6.	Reaction against major disease and pests	Field level tolerance
7.	Reaction to major abiotic stresses like drought, heat and salinity <i>etc.</i>	Field level tolerance
8.	Any other measures to achieve the potential yield	Timely planting

3. Application No.

N10	ZM23	14	354
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 filed on 12.02.2014 by **DCM Shriram Limited, 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001, India** for New variety of crop **Maize** (*Zea mays* L.) having denomination **BIO 82015HI** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : BIO 82015HI
Applicant : DCM Shriram Limited
Address of the applicant : 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001, India
Nationality of applicant : Indian
Application details
a. Number :

N10	ZM23	14	354
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b. Date of receipt : 12.02.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : BIO 82015HI
Type of variety : New
Classification of variety : Other (Inbred line)
Previously proposed Denomination : Not applicable
Name of parental material : POP C30P
Source of parental material : Own germplasm
Name of reference varieties : HKI 163, HKI 323

Variety description:

A. Grouping characteristics	Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)	Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late
Ear: Anthocyanin colouration of silks (Characteristic 12)	Absent
Plant: Length (Characteristic 15.1)	Short
Ear: Type of grain (Characteristic 22)	Semi-flint
B. Distinct characteristics of candidate variety: BIO 82015HI has distinguishing characters as late anthesis, wide angle between main axis and lateral branches (in lower third of tassel), curved attitude of lateral branches (in lower third of tassel), anthocyanin colouration of silks absent.	
C. Distinct characteristics of reference varieties: HKI 163 has distinguishing characters as late anthesis, narrow angle between main axis and lateral branches (in lower third of tassel), straight attitude of lateral branches (in lower third of tassel) anthocyanin colouration of silks absent HKI 323 has distinguishing characters as medium anthesis, narrow angle between main axis and lateral branches (in lower third of tassel), curved attitude of lateral branches (in lower third of	

tassel), anthocyanin colouration of silks present.		
D. Date of commercialization of the variety		--
E. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Growth habit (determinate / indeterminate)	Determinate
2.	Days to flowering/anthesis (average)	55 days
3.	Days to physiological maturity (average)	85 days
4.	Seed rate q/ac	0.07 q/ac
5.	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	As needed
	Inorganic (per ac or per plant)	0.60N : 0.30P : 0.30K q/ac
	Other fertilizers (per ac or per plant)	NA
6.	Spacing (cm) requirement to attain potential yield	
	Row to row	65-70 cm
	Plant to plant	20 cm
7.	Soil requirements to attain the potential yield	Loam to sandy loam
8.	Plant protection measures to attain the potential yield	Local DA recommendation
9.	Sowing window requirement to attain the potential yield (zone wise)	June-July
10.	Number of irrigations required to attain the potential yield (zone wise)	Depend on rainfall
11.	The best growing season to attain the potential yield	Kharif
12.	Cropping/climatic zone of India in which the varietal/hybrid trials were conducted	In IV zone of maize
13.	Intercultural operations	2 time to control the weed
14.	Any other relevant information specific to the variety/hybrid	None
S. No.	Commercial attributes	Remarks

1.	Zone wise yield potential (q/ac) (average)	10 q/ac
2.	Seed yield q/ac (Average)	10.1 q/ac
3.	Thousand grain weight (g)	280 g
4.	Length of ear head (average)	10 cm
5.	Plant height (cm) average	160 cm
6.	Reaction against major disease and pests	Field level tolerance
7.	Reaction to major abiotic stresses like drought heat and salinity etc.	Field level tolerance
8.	Any other measures to achieve the potential yield	Timely planting

4. Application No.

N64	ZM137	15	2074
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 filed on 17.12.2015 by **Pioneer Overseas Corporation, V-Ascendas, Atria Block, 12th Floor, Plot No. 17, Software Unit Layout, Madhapur, Hyderabad-500081** for **New** variety of crop **Maize** (*Zea mays* L.) having denomination **PH2A7S** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PH2A7S
Applicant : Pioneer Overseas Corporation
Address of the applicant : V-Ascendas, Atria Block, 12th Floor, Plot No. 17, Software Unit Layout, Madhapur, Hyderabad-500081
Nationality of applicant : USA
Application details
a. Number :

N64	ZM137	15	2074
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b. Date of receipt : 17.12.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : PH2A7S
Type of variety : New
Classification of variety : Other (Inbred line)
Previously proposed denomination : Not applicable
Name of parental material : PHRRC X PHGBN
Source of parental material : Own germplasm

Name of reference varieties : HKI 163, HKI 193-1

Variety description:

A. Grouping characteristics		Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (Characteristic 12)		Present
Plant: Length (Characteristic 15.1)		Short
Ear: Type of grain (Characteristic 22)		Flint
B. Distinct characteristics of candidate variety: PH2A7S has distinguishing characters as flint grain, yellow top of grain.		
C. Distinct characteristics of reference varieties: HKI 163 has distinguishing characters as semi-flint grain, orange top of grain. HKI 193-1 has distinguishing characters as semi-flint grain, yellow with cap top of grain.		
D. Date of commercialization of the variety		--
E. Agronomic and commercial attributes		
S. No.	Attributes	Remarks
1.	Days to flowering/anthesis (Early/Late)	>55 days, Late
2.	The best growing season to attain the potential yield (Zone wise)	Rabi, West Godavari, Andhra Pradesh, Zone IV
3.	Cropping/ climatic zone in which the variety recommended for cultivation	Since it is an inbred so not recommended for commercial cultivation by farmers.
4.	Resistance/ Tolerance to pest/ disease	NLFBLT, SLFBLT -Moderately Tolerant; FUSROT-Tolerant; LTEWLT- Resistant
5.	Zone wise yield potential (q/ac) (average)	NA
6.	Seed yield q/ac (average)	8.8 -10 q/ac
7.	Thousand grain weight (g)	Large, > 300 g
8.	Any other measures to achieve the potential yield	Maintain spacing (60x20 cm), timely follow standard package of practices for maize cultivation in India.

5. Application No.

E14	ZM27	11	1299
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 filed on 16.11.2011 by **Pioneer Overseas Corporation, V-Ascendas, Atria Block, 12th Floor, Plot no. 17, Software Unit Layout, Madhapur, Hyderabad-500081** for Extant (VCK) variety of crop **Maize** (*Zea mays* L.) having denomination **PH234** has been accepted and given registration number -----NA -----on -----
----- NA -----.

The convention application no. ----NA-----, in respect of the said variety has been filed on - ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PH234
Applicant : Pioneer Overseas Corporation
Address of the applicant : V-Ascendas, Atria Block, 12th Floor, Plot No. 17, Software Unit Layout, Madhapur, Hyderabad-500081
Nationality of applicant : USA
Application details
a. Number :

E14	ZM27	11	1299
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b. Date of receipt : 16.11.2011
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : PH234
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : PHT28 X PHKW8
Source of parental material : Own germplasm
Name of reference varieties : HQPM1, HM 9

Variety description:

A. Grouping characteristics	Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)	Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late
Ear: Anthocyanin colouration of silks (Characteristic 12)	Absent
Plant: Length (Characteristic 15.1)	Short
Ear: Type of grain (Characteristic 22)	Semi-flint
B. Distinct characteristics of candidate variety: PH234 has distinguishing character as wide angle between main axis and lateral branches (in lower third of tassel).	
C. Distinct characteristics of reference varieties: HQPM1 and HM 9 have distinguishing character as narrow angle between main axis and lateral branches (in lower third of tassel).	
D. Date of commercialization of the variety	06.09.2004 (30B07)

E. Agronomic and commercial attributes		
S. No.	Attributes	Remarks
1.	Days to flowering/anthesis (Early/Late)	>55 days , Late
2.	The best growing season to attain the potential yield (Zone wise)	Rabi, West Godavari, Andhra Pradesh, Zone IV
3.	Name of cropping/ climatic zone in which the variety recommended for cultivation	Since it is an inbred so not recommended for commercial cultivation by farmers.
4.	Resistance/ Tolerance to pest/ disease	<i>Fusarium</i> rot tolerant; late wilt high tolerant; northern leaf blight resistant.
5.	Zone wise yield potential (q/ac) (average)	NA
6.	Seed yield q/ac (average)	9.7 -11.3 q/ac
7.	Thousand grain weight (g)	Large, > 300 g
8.	Number of spikelets / ear heads	NA
9.	Any other measures to achieve the potential yield	Maintain spacing (60x15 cm), timely follow standard package of practices for maize cultivation in India.

6. Application No.

N13	ZM27	14	630
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 filed on 19.03.2014 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401** for **New** variety of crop **Maize** (*Zea mays* L.) having denomination **NM - 183** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : NM - 183
Applicant : Nuziveedu Seeds Ltd.
Address of the applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401
Nationality of applicant : Indian
Application details
a. Number :

N13	ZM27	14	630
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b. Date of receipt : 19.03.2014
c. Date of acceptance : --

Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : NM - 183
Type of variety : New
Classification of variety : Other (Inbred parental line)
Previously proposed denomination : Not applicable
Name of parental material : POP 31 (F2 population of NM-45 and NM-121)
Source of parental material : Own germplasm
Name of reference varieties : HKI 161, HKI 1128

Variety description:

A. Grouping characteristics		Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (Characteristic 12)		Present
Plant: Length (Characteristic 15.1)		Medium
Ear: Type of grain (Characteristic 22)		Flint
B. Distinct characteristics of candidate variety: NM - 183 has distinguishing characters as curved lateral branches (in lower third of tassel), anthocyanin colouration of silks present.		
C. Distinct characteristics of reference varieties: HKI 161 has distinguishing characters as straight lateral branches (in lower third of tassel), anthocyanin colouration of silks present. HKI 1128 has distinguishing characters as straight lateral branches (in lower third of tassel), anthocyanin colouration of silks absent.		
D. Date of commercialization of the variety		12.06.2013 (NMH- 1247)
E. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Growth habit (determinate / indeterminate)	Determinate
2.	Days to flowering/anthesis (average)	58 days
3.	Days to physiological maturity (average)	115-120 days
4.	Seed rate per q/ac	0.07 q/ac
5.	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	181.4 q/ac of FYM
	Inorganic (per ac or per plant)	0.72N : 0.25P : 0.25K q/ac
	Other fertilizers (per ac or per plant)	0.1 q/ac zinc sulphate
6.	Spacing (cm) requirement to attain potential yield	

	Row to row	60 cm
	Plant to plant	25 cm
7.	Soil requirements to attain the potential yield	Fertile black or red soil with PH 6.5-7.5
8.	Plant protection measures to attain the potential yield	Coragen @ 0.4 ml per liter at 15 DAS to control stem borer and repeat the same after 10 days
9.	Sowing window requirement to attain the potential yield (zone wise)	Zone IV (South India): June-July and Oct-Nov.
10.	Number of irrigations required to attain the potential yield (zone wise)	8-9 depending upon available soil moisture.
11.	The best growing season to attain the potential yield	Kharif and Rabi in all zones
12.	Cropping/climatic zone of India in which the varietal/hybrid trials were conducted	Peninsular India
13.	Intercultural operations	Crop must be weed free up to 40 days after sowing. Spray atrazine @ 4g/L 2 days after sowing to control weeds. At 25-30 DAS interculture followed by earthing up should be done
14.	Any other relevant information specific to the variety/hybrid	--
S. No. Commercial attributes Remarks		
1.	Zone wise yield potential (average) per ac (q/ac)	NA
2.	Seed yield q/ac (Average)	7 q/ac

7. Application No.

N39	ZM92	16	961
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 filed on 22.07.2016 by **Metahelix Life Sciences Limited, Plot No.3, KIADB 4th Phase, Bommasandra, Bangalore-560099** for **New** variety of crop **Maize** (*Zea mays* L.) having denomination **MZ14S028N** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -
-----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : MZ14S028N

Applicant : Metahelix Life Sciences Limited
Address of the applicant : Plot No.3, KIADB 4th Phase, Bommasandra, Bangalore-560099
Nationality of applicant : Indian
Application details
a. Number :

N39	ZM92	16	961
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b. Date of receipt : 22.07.2016
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : MZ14S028N
Type of variety : New
Classification of variety : Other (Inbred parental line)
Previously proposed denomination : Not applicable
Name of parental material : Population M07TA006/POP010N) X*(MHC3T002) A111) EX
Source of parental material : Own germplasm
Name of reference varieties : HKI 161, HKI 163, HKI 193-1, CM 152

Variety description:

A. Grouping characteristics		Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (Characteristic 12)		Present
Plant: Length (Characteristic 15.1)		Short
Ear: Type of grain (Characteristic 22)		Flint
B. Distinct characteristics of candidate variety: MZ14S028N has distinguishing character as yellow top of grain.		
C. Distinct characteristics of reference varieties: HKI 161 and HKI 163 have distinguishing character as orange top of grain. HKI 193-1 has distinguishing character as yellow with cap top of grain. CM 152 has distinguishing character as white with cap top of grain		
D. Date of commercialization of the variety		18.5.2017 (MM9333)
E. Agronomic and commercial attributes		
S. No.	Attributes	Remarks
1.	Days to flowering/anthesis (Early/Late)	61 days, late
2.	The best growing season to attain the potential yield (Zone wise)	Not relevant since the candidate variety is an inbred line
3.	Cropping/ climatic zone in which the	Not relevant since the candidate variety is an inbred line

	variety recommended for cultivation	
4.	Resistance/ Tolerance to pest/ disease	Tolerant to <i>Turcicum</i> leaf blight.
5.	Zone wise yield potential per ac (q/ac) (average) (if applicable)	Not relevant since the candidate variety is an inbred line
6.	Seed yield q/ac (average)	18-22 q/ac
7.	Thousand grain weight (g)	280 g
8.	Any other measures to achieve the potential yield	Timely agronomic practices required to achieve the potential yield.

8. Application No.

N38	ZM91	16	960
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 filed on 22.07.2016 by **Metahelix Life Sciences Limited, Plot No.3, KIADB 4th Phase, Bommasandra, Bangalore-560099** for New variety of crop **Maize** (*Zea mays* L.) having denomination **MZ14S022N** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : MZ14S022N
Applicant : Metahelix Life Sciences Limited
Address of the applicant : Plot No.3, KIADB 4th Phase, Bommasandra, Bangalore-560099
Nationality of applicant : Indian
Application details
a. Number :

N38	ZM91	16	960
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b. Date of receipt : 22.07.2016
c. Date of acceptance : --
Crop (taxonomical lineage) : Maize (*Zea mays* L.)
Denomination : MZ14S022N
Type of variety : New
Classification of variety : Other (Inbred parental line)
Previously proposed denomination : Not applicable
Name of parental material : MHC4Y306/MHC4Y314
Source of parental material : Own germplasm
Name of reference varieties : HKI 161, HKI 163, HKI 193-1,

Variety description:

A. Grouping characteristics		Remarks (measured values)
Tassel: Time of anthesis (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (Characteristic 12)		Absent
Plant: Length (Characteristic 15.1)		Short
Ear: Type of grain (Characteristic 22)		Flint
B. Distinct characteristics of candidate variety: MZ14S022N has distinguishing character as yellow top of grain.		
C. Distinct characteristics of reference varieties: HKI 161 and HKI 163 have distinguishing character as orange top of grain. HKI 193-1 has distinguishing character as yellow with cap top of grain.		
D. Date of commercialization of the variety		18.5.2017 (MM9333)
E. Agronomic and commercial attributes		
S. No.	Attributes	Remarks
1.	Days to flowering/anthesis (Early/Late)	56 days, late
2.	The best growing season to attain the potential yield (Zone wise)	Not relevant since the candidate variety is an inbred line
3.	Name of cropping/ climatic zone in which the variety recommended for cultivation	Not relevant since the candidate variety is an inbred line
4.	Resistance/ Tolerance to pest/ disease	Tolerant to <i>Turcicum</i> leaf blight, Post flowering stalk rot.
5.	Zone wise yield potential per ac (q/ac) (average) (if applicable)	Not relevant since the candidate variety is an inbred line
6.	Seed yield q/ac (average)	28-30 q/ac seed yield
7.	Thousand grain weight (g)	415 g
8.	Any other measures to achieve the potential yield	Timely agronomic practices required to achieve the potential yield.

9. Application No.

E4	PN4	11	73
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 filed on 05.01.2011 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi, India** for **Extant (VCK)** variety of crop **Black Pepper (*Piper nigrum* L.)** having denomination **IISR SHAKTHI** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : IISR SHAKTHI
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details
a. Number :

E4	PN4	11	73
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b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (taxonomical lineage) : Black Pepper (*Piper nigrum* L.)
Denomination : IISR SHAKTHI
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Open pollinated progeny of Perambramundi
Source of parental material : Own germplasm
Name of reference varieties : Arakulamunda

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Shoot tip colour (Characteristics 1)		Light purple
Leaf: Length (cm) (Characteristics 2)		Medium
Leaf: Width (cm) (Characteristics 3)		Medium
Leaf: Lamina shape (Characteristics 5)		Ovate-lanceolate
Leaf: Base shape (Characteristics 6)		Round
Leaf: Margin (Characteristics 7)		Even
Spike: Length (cm) (Characteristics 13)		Medium
Spike: Setting (Characteristics 17)		Compact
Berry: Shape (Characteristics 19)		Round
Berry: Size (mm) (Characteristics 20)		Medium
B. Distinct characteristics of candidate variety: IISR SHAKTHI has distinguishing character as ovate-lanceolate lamina.		
C. Distinct characteristics of reference variety: Arakulamunda has distinguishing character as ovate-elliptic lamina.		
D. Date of commercialization of the variety		26.06.2001
E. Agronomic and commercial attributes		
S. No.	Attributes	Details
1.	Maturity Duration (Number of days):	200 Days, medium
2.	Production condition: Suitability area in the	Karnataka, Kerala

	country	
	:Time of sowing	May
	: Irrigated/ Rainfed	Rainfed
	: Low fertility/ High fertility	
3.	Tolerance to adverse temperature/ Frost and Heat- Sensitive/Tolerant	-
4.	Tolerance to water stagnation: Sensitive/ Tolerant	-
5.	Resistance/ Tolerance to pest/s	Susceptible to Pollu beetle and Nematodes
6.	Average yield (q/ac)	23.3 q/ac
7.	Thousand berries weight (g)	150 g
8.	Any other relevant value addition information specific to the variety/hybrid in terms of trade	Accepted by farmers and industry as the berries are bold and dry.

10. Application No.

E1	CL5	18	515
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 filed on 17.5.2018 by **Mahatma Phule Krishi Vidyapeeth, Rahuri-413722, Dist: Ahmednagar, Maharashtra** for **Extant (Notified)** variety of crop **Turmeric (*Curcuma longa* L.)** having denomination **Phule Swarupa (DTS 222)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Phule Swarupa (DTS 222)
Applicant : Mahatma Phule Krishi Vidyapeeth
Address of the applicant : Rahuri-413722, Dist: Ahmednagar, Maharashtra
Nationality of applicant : Indian
Application details
a. Number :

E1	CL5	18	515
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b. Date of receipt : 17.05.2018
c. Date of acceptance : --
Crop (taxonomical lineage) : Turmeric (*Curcuma longa* L.)
Denomination : Phule Swarupa (DTS 222)
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Clonal selection from variety Duggirala
Source of parental material : Own germplasm

Name of reference varieties : Duggirala
 Notification details : Notification no. S.O. 597(E), dated: 25/04/2006

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant :Height (Characteristic 2)		Medium
Leaf : Lamina length (Characteristic 7)		Long
Leaf : Lamina width (Characteristic 8)		Medium
Coma bract : Colour (Characteristic 14)		White
Rhizome: Habit (Characteristic 16)		Intermediate
Rhizome: Shape (Characteristic 17)		Straight
Rhizome: Number of mother rhizomes (Characteristic 19)		-
Duration (Number of days) (Characteristic 23)		Long
Dry recovery (%) (Characteristic 24)		High
B. Distinct characteristics of candidate variety :		
Phule Swarupa (DTS 222) has distinguishing character as high dry recovery.		
C. Distinct characteristics of reference variety:		
Duggirala has distinguishing character as intermediate dry recovery.		
D. Date of commercialization of the variety		22.07.2011
E. Agronomic and commercial attributes		
S. No.	Attributes	Details
1.	Maturity duration (no. of days) (Short, Medium, Long)	240-250 days, medium
2.	Production condition: Suitability area in the country :Time of sowing :Irrigated/Rainfed :Low fertility/High fertility	Karnataka, Maharashtra Second week of May Rainfed Low fertility
3.	Tolerance to adverse temperature/frost and heat (Sensitive/Tolerant)	Temperature tolerant
4.	Tolerance to water stagnation: (Sensitive/Tolerant)	Sensitive
5.	Resistance/ Tolerance to pests / Disease	Tolerant to leaf blotch, leaf spot and rhizome fly
6.	Yield potential (q/ac) (average)	145 q/ac fresh 32 q/ac dry
7.	Nutritive value (i) Curcumin (%) (ii) Oleoresin (%)	5.19 % 8.14 %
8.	Any other relevant information specific to the variety	High seed multiplication ratio (1:5), deep orange yellow core colour of fingers, better tillering ratio (2:3), better recovery (22%).

11. Application No.

F26	CC26	15	1029
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 filed on 22.05.2015 by **Jay Prakash Singh, Village: Tandia, Post: Dhadhorpur, Dist: Varanasi - 221305** for **Farmer** variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp.) having denomination **A.H.J.P-07 (HJP-07)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : A.H.J.P-07 (HJP-07)
Applicant : Jay Prakash Singh
Address of the applicant : Village: Tandia, Post: Dhadhorpur, Dist: Varanasi-221305
Nationality of applicant : Indian
Application details
a. Number :

F26	CC26	15	1029
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b. Date of receipt : 22.05.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* (L.) Millsp.)
Denomination : A.H.J.P-07 (HJP-07)
Type of variety : Farmer
Classification of variety : Typical
Previously proposed
Denomination : Not applicable
Name of reference varieties : BSMR-736, ICPL-87119

Variety description:

A. Grouping characteristics		Remarks (measured values)
Time of flowering (Characteristic 3)		Late (131-160 days)
Plant: Growth habit (Characteristic 4)		Indeterminate
Stem: Colour (Characteristic 5)		Green
Pod: Waxiness (Characteristic 12)		Present
Seed: Colour (Characteristic 18)		Brown
B. Distinct characteristics of candidate variety: A.H.J.P-07 (HJP-07) has distinguishing character as late time of flowering and brown seed colour.		
C. Distinct characteristics of reference varieties: BSMR-736 and ICPL-87119 has distinguishing character as medium time of flowering and dark brown seed colour.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	250 days

2.	Production condition: suitability area in the country	M.P.
	:Time of sowing	May to 15 th August
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	-
3.	Tolerance to adverse Temperature/ Frost/ & Heat- Sensitive/Tolerance	Frost tolerant
4.	Resistance/Tolerance to Pest/s	Resistance to disease
5.	The best growing season to attain the potential yield (zone-wise)	-
6.	Number of Pods per Plant (average)	700
7.	Zone Wise Yield Potential (Average) per acre (q/acre)	
8.	Seed yield q/ acre (average)	8.0-8.8 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency Type)	-

12. Application No.

F25	CC25	15	1028
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 filed on 22.05.2015 by **Jay Prakash Singh, Village: Tandia, Post: Dhadhopur, Dist: Varanasi- 221305** for **Farmer** variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp.) having denomination **A.H.J.P-09 (HJP-09)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA-----, in respect of the said variety has been filed on ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : A.H.J.P-09 (HJP-09)
Applicant : Jay Prakash Singh
Address of the applicant : Village: Tandia, Post: Dhadhopur, Dist: Varanasi- 221305
Nationality of applicant : Indian
Application details
a. Number :

F25	CC25	15	1028
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b. Date of receipt : 22.05.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : (*Cajanus cajan* (L.) Millsp.)
Denomination : A.H.J.P-09 (HJP-09)
Type of variety : Farmer
Classification of variety : Typical
Previously proposed

Denomination : Not applicable
 Name of reference varieties : BSMR-736, ICPL-87119

Variety description:

A. Grouping characteristics		Remarks (measured values)
Time of flowering (Characteristic 3)		Late (131-160 days)
Plant: Growth habit (Characteristic 4)		Indeterminate
Stem: Colour (Characteristic 5)		Green
Pod: Waxiness (Characteristic 12)		Present
Seed: Colour (Characteristic 18)		Brown
B. Distinct characteristics of candidate variety:		
A.H.J.P-09 (HJP-09) has distinguishing character as medium plant height and brown seed colour		
C. Distinct characteristics of reference varieties:		
BSMR-736 and ICPL-87119 have distinguishing character as tall plant height and dark brown seed colour		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	240 days
2.	Production condition: suitability area in the country	M.P.
	:Time of sowing	June to 15 th August
	:Irrigated/rainfed	-
	:Low fertility/high fertility of soil	-
3.	Tolerance to adverse Temperature/ Frost/ & Heat- Sensitive /Tolerance	Frost tolerant
4.	Resistance/Tolerance to Pest/s	Resistance to disease
5.	The best growing season to attain the potential yield (zone-wise)	-
6.	Number of Pods per Plant (average)	900
7.	Zone wise yield potential (Average) per acre (q/acre)	20q/ac
8.	Seed yield q/ acre (average)	-
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency type)	-

13. Application No.

F8	PS8	15	400
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 filed on 12.03.2015 by **Om Prakash Singh**,
Village: Latsar, Post:Hantarganj, Dist: Chatra-825403 for **Farmer** variety of crop **Field pea**

(*Pisum sativum* L.) having denomination **Desi Matar Chotka** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on -
----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Desi Matar Chotka
Applicant : Om Prakash Singh
Address of the applicant : Village: Latsar, Post: Hantarganj, Dist: Chatra -825403
Nationality of applicant : Indian
Application details
a. Number :

F8	PS8	15	400
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b. Date of receipt : 12.03.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Field pea (*Pisum sativum* L.)
Denomination : Desi Matar Chotka
Type of variety : Famer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : IPF-99-25, Arkel

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant : Height (Characteristic 14)		Long (> 80 cm)
Stipule : Rabbit-eared stipules (Characteristic 6)		Present
Flower : Opening (days) (Characteristic 8)		Medium (51-70)
Pod : Shape of the distal part (Characteristic 12)		Pointed
Seed : Cotyledon colour (Characteristic 17)		Creamy
Seed : Shape (Characteristic 15)		Spherical
B. Distinct characteristics of candidate variety: Desi Matar Chotka has distinguishing character as purple leaf axil colour, long plant height and single pod number/axil.		
C. Distinct characteristics of reference varieties: IPF-99-25 has distinguishing character as green leaf axil colour, long plant height and double pod number/axil. Arkel has distinguishing character as green leaf axil colour, short plant height and double pod number/axil.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early (90-100 days)

2.	Production condition: suitability area in the country	-
	:Time of sowing	15 th October to 15 th November
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to adverse Temperature/Frost/ &Heat- Sensitive /Tolerance	Frost tolerant
4.	Resistance/Tolerance to Pest/s	Pest & Disease
5.	The best growing season to attain the potential yield (zonewise)	20 th October
6.	Number of Pods per Plant (average)	80-90
7.	Zone Wise Yield Potential (Average) per acre (q/acre)	3-4q/ac
8.	Seed yield q/ acre (average)	04-4.8
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency Type)	Low water use efficiency

14. Application No.

F11	LC11	15	403
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 filed on 16.03.2015 by **Shri Rajdev Prajapati, Village: Sidki, Post:Pratappur, Dist: Chatra, Jharkhand-825404** for **Farmer** variety of crop **Lentil** (*Lens culinaris* Medik) having denomination **Desi Masoor Goal**, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Desi Masoor Goal
Applicant : Shri Rajdev Prajapati
Address of the applicant : Village: sidki, Post:Pratappur ,Dist:Chatra, Jharkhand-825404
Nationality of applicant : Indian
Application details
a. Number :

F11	LC11	15	403
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b. Date of receipt : 16.03.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Lentil (*Lens culinaris* Medik.)
Denomination : Desi Masoor Goal
Type of variety : Farmer
Classification of variety : Typical

Previously proposed

Denomination : Not applicable

Name of reference varieties : DPL-15, JK-1

Variety description:

A. Grouping characteristics		Remarks (measured values)
Stem: Anthocyanin colouration (Characteristic 2)		Present
Time of flowering (Characteristic 3)		Medium (60-80 days)
Leaf: Pubescence (Characteristic 4)		Present
Flower: Colour of standard (Characteristic 7)		Violet
Seed: Size (Characteristic 10)		Medium (2.0-2.5g)
Seed: Testa colour (Characteristic 11)		Brown
B. Distinct characteristics of candidate variety:		
Desi Masoor Goal has distinguishing character as semi erect plant growth habit, medium seed size.		
C. Distinct characteristics of reference varieties:		
DPL-15 has distinguishing character as erect plant growth habit, large seed size		
JK-1 has distinguishing character as semi erect plant growth habit, medium seed size.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early (100-110 days)
2.	Production condition: suitability area in the country	-
	:Time of sowing	15 th October to 15 th November
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Frost tolerant
4.	Resistance/Tolerance to Pest/s	Resistance to pest & disease.
5.	The best growing season to attain the potential yield (zonewise)	20 th – 25 th October
6.	Number of pods per plant (average)	200-250
7.	Zone wise yield potential (average) per acre (q/acre)	2.5-3.0q/ac
8.	Seed yield q/ acre (average)	2.8-3.6
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/ High Water Use Efficiency type)	Low water use efficiency

15. Application No.

F8	LC8	15	367
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 filed on 09.03.2015 by **Shri Dinesh Rajak, Village:Kattaeya, Post:Ghghri, Dist: Chatra Jharkhand- 825405** for **Farmer** variety of crop **Lentil** (*Lens culinaris* Medik) having denomination **Dehati Masur-1** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Dehati Masur-1
Applicant : Dinesh Rajak
Address of the applicant : Village: Kattaeya, Post: Ghghri, Dist: Chatra, Jharkhand-825405
Nationality of applicant : Indian
Application details

F8	LC8	15	367
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a. Number :
b. Date of receipt : 09.03.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Lentil (*Lens culinaris* Medik.)
Denomination : Dehati Masur-1
Type of variety : Famer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : DPL-15, VL-103

Variety description:

A. Grouping characteristics		Remarks (measured values)
Stem: Anthocyanin colouration (Characteristic 2)		Present
Time of flowering (Characteristic 3)		Medium (60-80 days)
Leaf: Pubescence (Characteristic 4)		Present
Flower: Colour of standard (Characteristic 7)		Violet
Seed: Size (Characteristic 10)		Small (<2.0g)
Seed: Testa colour (Characteristic 11)		Brown
B. Distinct characteristics of candidate variety: Dehati Masur-1 has distinguishing character as small seed size		
C. Distinct characteristics of reference varieties: DPL-15 and VL-103 have distinguishing character as seed size medium		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early (110 -115 days)

2.	Production condition: suitability area in the country	-
	:Time of sowing	15 th October to 15 th November
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to adverse Temperature/Frost/ & Heat- Sensitive /Tolerance	Frost tolerant
4.	Resistance/Tolerance to Pest/s	Pest & Disease
5.	The best growing season to attain the potential yield (zonewise)	20 th October
6.	Number of Pods per Plant (average)	200-250
7.	Zone Wise Yield Potential (Average) per acre (q/acre)	2.5-3.0q/ac
8.	Seed yield q/ Acre (average)	2.8-3.6
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency Type)	Low water use efficiency

16. Application No.

E1	CC1	17	1
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 filed on 04.01.2017 by **Junagadh agricultural University, Motibaugh, Junagadh -362001** for **Extant (Notified)** variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp.) having denomination **Gujarat Junagadh Pigeonpea 1** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Gujarat Junagadh Pigeonpea 1
Applicant : Junagadh Agricultural University
Address of the applicant : Junagadh Agricultural University, Motibaugh Junagadh-362001
Nationality of applicant : Indian
Application details
a. Number :

E1	CC1	17	1
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b. Date of receipt : 04.01.2017
c. Date of acceptance : --
Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* (L.) Millsp.)
Denomination : Gujarat Junagadh Pigeonpea 1

Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed Denomination
 Name of parental material : LRG 41 x BDN 2
 Source of parental material : LRG 41 developed at Regional Agricultural Station, ANGRAU, Lam while, BDN 2 is released variety from Agril. Research Station, Badanapur which is selection from local Bori II 132-A-1.
 Name of reference varieties : BDN 2, ICPL 87119
 Notification details : Notification no. S.O. 2238(E), dated: 29/06/2016

Variety description:

A. Grouping characteristics		Remarks (measured values)
Time of flowering (Characteristic 3)		Medium (123 days)
Plant: Growth habit (Characteristic 4)		Indeterminate
Stem: Colour (Characteristic 5)		Absent
Pod: Waxiness (Characteristic 12)		Absent
Seed: Colour (Characteristic 18)		White
B. Distinct characteristics of candidate variety: Gujarat Junagadh Pigeonpea 1 has distinguishing character as stem anthocyanin colour absent, sesame leaf shape, leaf pubescence present, medium leaf let size, pointed leaf tip and elongated hilum shape		
C. Distinct characteristics of reference varieties: BDN 2 has distinguishing character as stem anthocyanin colour present, sesame leaf shape, leaf pubescence absent, large leaf let size, broad leaf tip and saddle hilum shape. ICPL 87119 has distinguishing character as stem anthocyanin colour absent, obovate leaf shape, leaf pubescence absent, medium leaf let size, broad leaf tip and oval hilum shape.		
D. Date of commercialization of the variety		29.06.2019
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	176 days (Medium)
2.	Production condition: suitability area in the country	Gujarat state
	:Time of sowing	Onset of monsoon (1 st week of July)
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	High fertility of soil
3.	Tolerance to adverse Temperature/ Frost/ & Heat- Sensitive /Tolerance	-
4.	Resistance/Tolerance to Pest/s	Tolerance to <i>Heliothis</i> infestation
5.	The best growing season to attain the potential yield (zonewise)	<i>Kharif</i> season

6.	Number of Pods per Plant (average)	220.5
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	17.21 q/ac
8.	Seed yield q/ acre (average)	8.42 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency type)	Medium Water Use Efficiency type

17. Application No.

F3	SB3	16	103
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 filed on 01.03.2016 by **Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee, c/o Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon, District: Nandurbar, Maharashtra-425414** for **Farmer** variety of crop **Sorghum** (*Sorghum bicolor L.*) having denomination **MOTHI MANI JUWAR** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : MOTHI MANI JUWAR
Applicant : Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee
Address of the applicant : C/O Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon, District: Nandurbar, Maharashtra-425414
Nationality of applicant : Indian
Application details
a. Number :

F3	SB3	16	103
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b. Date of receipt : 01.03.2016
c. Date of acceptance : --
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor L.*)
Denomination : MOTHI MANI JUWAR
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : M 35-1

Variety description:

A. Grouping characteristics	Remarks (measured values)
Kharif or rabi adaptation	Kharif
Plant: Time to 50% flowering (50% of the plants with 50% anthesis) (Characteristic 4)	Medium (66-75 days)
Plant: Total height at maturity (Characteristic 18)	Short (76-150)

Panicle: Shape (Characteristic 27)		Panicle broader in lower part
Caryopsis: Colour after threshing (Characteristic 33)		Yellow white (RHS 158)
B. Distinct characteristics of candidate variety: MOTI MANI JUWAR has distinguishing character as lemma arista formation absent, stigma anthocyanin colouration absent, stigma yellow colouration absent, greyed purple glume colour, medium panicle without penducle and non-lustrous grain lustre.		
C. Distinct characteristics of reference varieties: M 35-1 has distinguishing character as lemma arista formation present, stigma anthocyanin colouration present, stigma yellow colouration present, greyed orange glume colour, short panicle without penducle and lustrous grain luster.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	105-110 days
2.	Production condition: suitability area in the country	Maharashtra (Transition Zone II)
	:Time of sowing	Upto 15 th June
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility of soil
3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Tolerance to adverse temperature
4.	Grain Characters Physical:	
	a) Kernal size (cm)	0.38 cm diameter
	b) Seed Lustre(Present/Absent)	Absent
	c) Seed colour	Gray white
5.	Zone wise yield potential (Average) per acre (q/ac)	6.00 q/ac
6.	Seed Yield q/ac (average)	600 q/ac
7.	Seed weight (100 seed weight in gm)	2.38 g
9.	Any other relevant information specific to the variety/hybrid (Low/ Medium/ High Water Use Efficiency type)	Grey white, elliptic, non-lustrous grain, partly threshable, semi compact panicle non lodging. It is mainly used for making bhakari

18. Application No.

F2	SM2	14	137
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 filed on 17.01.2014 by **Bhramar Bauri, Vill: Ranbahal, Post: Amarkanan, Dist: Bankura, West Bengal** for **Farmer** variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **LURKI** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : LURKI
Applicant : Bhramar Bauri
Address of the applicant : Vill: Ranbahal, Post: Amarkanan, Dist: Bankura, West Bengal
 Nationality of applicant : Indian
Application details
 a. Number :

F2	SM2	14	137
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 b. Date of receipt : 17.01.2014
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)
 Denomination : LURKI
 Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed :
 Denomination : Not applicable
 Name of reference varieties : CO-2, PUSA HYBRID -9

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Long (>20cm)
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
B. Distinct characteristics of candidate variety: LURKI has distinguishing character as long fruit length, green fruit colour of skin at commercial harvesting, medium fruit spininess of calyx		
C. Distinct characteristics of reference varieties: CO-2 has distinguishing character as medium fruit length, purple fruit colour of skin at commercial harvesting, weak fruit spininess of calyx PUSA HYBRID-9 has distinguishing character as medium fruit length, purple fruit colour of skin at commercial harvesting, strong fruit spininess of calyx		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early
2.	Production condition: suitability area in the country	Red and lateritic agroclimatic zone of the West Bengal.
	:Time of sowing	July-August
	:Irrigated/rainfed	Irrigated
	:Low fertility/high fertility of soil	Low fertility of soil
3.	Tolerance to adverse Temperature/	Drought tolerance

	Frost/ &Heat- Sensitive /Tolerance	
4.	Tolerance to Water Stagnation: Sensitive/ Tolerant	Sensitive
5.	Resistance /Tolerance to Pest/s	Resistance
6.	Staking & pruning practices	Only organic nutrition is used at rate of 700-100 kg/ha
7.	Winter –spring cropping season types	Winter season
8.	Fruit Yield q/ac	24-28 q/ac
9.	Fruit quality/plant (Kg/ha) (average)	10kg/plant
10.	Fruit quality and fruit firmness	Good
11.	Fruit picking Schedule	Morning time with 10 days interval in fruiting time.
12.	Transport potential (days)	5 days
13.	Unique selling propositions and optimal shelf-life (days)	Organic crop, 150-180 days
14.	Any other relevant information specific to the variety/Hybrid	--

19. Application No.

E3	PG3	19	74
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 filed on 06.05.2019 by **Bayer Crop Science LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 277009, USA** for **Extant (Notified)** variety of crop **Pearl millet** (*Pennisetum glaucum* (L.) R. Br.) having denomination **PSP84** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -
-----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PSP84
Applicant : Bayer Crop Science LP
Address of the applicant : Alexander Drive, Research Triangle Park, NC 277009
Nationality of applicant : USA
Application details

E3	PG3	19	74
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a. Number :
b. Date of receipt : 06.05.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R. Br.)
Denomination : PSP84
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed Denomination : Not Applicable
Name of parental material : 12049G x PMHTN/S08-68

Source of parental material : ICRISAT
 Name of reference varieties : ICMB92888, ICMB03555
 Notification details : Notification no. S.O. 1379(E), dated: 27/03/2018

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Time of spike emergence (50% plants with at least one spike emerged fully) (Characteristic 3)		Late (51-54)
Anther : colour(Characteristic 9)		Yellow
Plant: Height (including spike) (cm) (Characteristic 22)		Very Short (<101)
Spike shape (Characteristic 23)		Conical
Seed: Colour (Characteristic 26)		Grey
Seed: shape(Characteristic 27)		Globular
B. Distinct characteristics of candidate variety: PSP84 has distinguishing character as plant anthocyanin colouration of first leaf sheath present, late time of spike emergence, spike anthocyanin pigmentation of glume absent, conical spike shape and grey seed colour.		
C. Distinct characteristics of reference varieties: ICMB92888 has distinguishing character as plant anthocyanin colouration of first leaf sheath absent, medium time of spike emergence, spike anthocyanin pigmentation of glume absent, cylindrical spike shape and grey seed colour. ICMB03555 has distinguishing character as plant anthocyanin colouration of first leaf sheath present, late time of spike emergence, spike anthocyanin pigmentation of glume, conical spike shape and deep grey seed colour.		
D. Date of commercialization of the variety		27/03/2018
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Late
2.	Days to flowering/anthesis (Average)	54 days
3.	Production condition: suitability area in the country	Telangana State (Zone B)
4.	Time of sowing	Summer: Mid- February to March Kharif: June to 2 nd week of July
	Irrigated/rainfed	Rainfed
	Low fertility/high fertility of soil	Low and high fertility
5.	Tolerance to disease and pests	Resistant to Downey Mildew, Blast, Smut and Ergot. Tolerant to shoot fly and stem borer.
6.	Tolerance to adverse temperature /frost/heat/salinity	Drought tolerant
7.	Grain character physical	
	a) Kernel size	Not applicable
	b) Seed lusture (present/absent)	Not applicable

	c) Seed colour	Grey
8.	Zone-wise yield potential (Average) per acre (q/acre)	8.5 to 9.5 q/ac
9.	Seed weight (1000 seeds weight in g)	Bold
10.	Any other relevant value addition information specific to the variety/hybrid to attain potential yield.	Spacing R to R shall be 45 cm and plant to plant should be 15 cm. Sowing window as provided above to be followed and sufficient moisture is required at tillering, flowering and grain filling stage

20. Application No.

E4	PG4	19	75
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 filed on 06.05.2019 by **Bayer Crop Science LP, 2 T.W. Alexander Drive, Research Triangle Park NC 277009, USA** for **Extant (Notified)** variety of crop **Pearl millet** (*Pennisetum glaucum* (L.) R.Br) having denomination **PSP94** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PSP94
Applicant : Bayers Crop Science LP
Address of the applicant : 2 T.W. Alexander Drive, Research Triangle Park NC 277009
Nationality of applicant : USA
Application details
a. Number :

E4	PG4	19	75
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b. Date of receipt : 06.05.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R. Br)
Denomination : PSP94
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of parental material : 1192G x 1187G
Source of parental material : Proprietary line of Bayer Bio Science
Name of reference varieties : ICMB 92888, ICMB 03555
Notification details : Notification no. S.O. 6318 (E), dated: 26/12/2018

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Late
Anther: Colour (Characteristic 9)	Yellow

Spike: Shape (Characteristic 23)		Conical
Plant Height (Characteristic 22)		Very short
Seed: Colour (Characteristic 26)		Grey
Seed: Shape (Characteristic 27)		Globular
B. Distinct characteristics of candidate variety:		
<p>PSP94 has distinguishing character as time spike emergence very late, purple anther colour, purple plant node pigmentation, spike anthocyanin pigmentation of glume absent, conical spike shape and deep grey seed colour.</p>		
C. Distinct characteristics of reference varieties:		
<p>ICMR 92888 has distinguishing as time of spike emergence medium, yellow anther colour, brown plant node pigmentation, absent spike anthocyanin pigmentation of glume, cylindrical spike shape and grey seed colour.</p> <p>ICMB 03555 has distinguishing characters as time of spike emergence late, purple anther colour, brown plant node pigmentation, spike anthocyanin pigmentation present, conical spike shape and deep grey seed colour.</p>		
D. Date of commercialization of the variety		26.12.2018
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Late (90 days)
2.	Days to flowering/ Anthesis (Average)	60 Days
3.	Production condition: suitability area in the country	Telangana state (ZONE B)
	:Time of sowing	Summer : Mid –Feb to March Kharif: June to 2 nd week of July
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low to high fertility Soil.
4.	Tolerant to disease and pest	Resistant to Downy mildew , Blast, Smut and Ergot Tolerant to shoot fly and stem borer.
5.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Drought tolerant
6.	Grain characters physical	
	a) Kernal size	Not applicable
	b) Seed lusture	Not applicable
	c) Seed colour	Deep Grey
7.	Zonewise yield potential (average) per acre (q/acre)	10.5-11.5 q/acre
8.	Seed weight (1000 seed weight in g)	Bold (10.1-12.5)
9.	Any other relevant information specific to the variety/Hybrid to attain potential yield.	Spacing Row to Row shall be 45cm and plant to plant should be 15cm. Sowing window as provided above to be followed and sufficient moisture is required at tillering, flowering and grain filling stage.

21. Application No.

E5	PG5	19	76
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 filed on 06.05.2019 by **Bayer Crop Science LP, 2 T.W. Alexander Drive, Research Triangle Park NC 277009, USA** for **Extant (Notified)** variety of crop **Pearl millet (*Pennisetum glaucum* (L.) R.Br)** having denomination **PP78** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PP78
Applicant : Bayers Crop Science LP
Address of the applicant : 2 T.W. Alexander Drive, Research Triangle Park NC 277009
Nationality of applicant : USA
Application details
a. Number :

E5	PG5	19	76
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b. Date of receipt : 06.05.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R. Br)
Denomination : PP78
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of parental material : M10225 x M10337
Source of parental material : M10225 is from ICRISAT line and M10337 is a proprietary line of Bayer Bio Science
Name of reference varieties : ICMR 356, IPC 1538
Notification details : Notification no. S.O. 1379 (E), dated: 27/03/2018

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Medium
Anther: Colour (Characteristic 9)	Purple
Spike: Shape (Characteristic 23)	Cylindrical
Plant Height (Characteristic 22)	Medium
Seed: Colour (Characteristic 26)	Grey
Seed: Shape (Characteristic 27)	Globular
B. Distinct characteristics of candidate variety:	
PP78 has distinguishing character as time of spike emergence medium, purple anther colour, plant node pubescence presence, purple plant node pigmentation, spike anthocyanin pigmentation of glume presence, cylindrical spike shape and grey seed colour.	

C. Distinct characteristics of reference varieties:		
ICMR356 has distinguishing as time of spike emergence medium, yellow anther colour, plant node pubescence presence, brown plant node pigmentation, spike anthocyanin pigmentation of glume absence, conical spike shape and grey seed colour.		
IPC 1538 has distinguishing characters as time of spike emergence late, yellow anther colour, plant node pubescence absence, brown plant node pigmentation, absent spike anthocyanin pigmentation of glume, conical spike shape and deep grey seed colour.		
D. Date of commercialization of the variety		27.03.2018
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	83 days
2.	Days to flowering/Anthesis (Average)	53 days
3	Production condition: suitability area in the country	Telangana state (ZONE B)
	:Time of sowing	Summer : Mid –Feb to March Kharif: June to 2 nd week of July
	:Irrigated/rainfed	Rainfed; but sufficient moisture at tillering, flowering and grain filling stage is required.
	:Low fertility/high fertility of soil	Low and high fertility Soil.
4.	Tolerant to disease and pest	Resistant to Downy mildew , Blast, Rust, Smut and Ergot Tolerant to shoot fly and stem borer
5.	Tolerance to adverse Temperature/Frost/ &Heat-Sensitive/Tolerance	Drought tolerant
6.	Grain characters physical	
	a) Kernal size	Not applicable
	b) Seed lusture	Not applicable
	c) Seed colour	Grey
7.	Zone-wise yield potential (average) per acre (q/acre)	11-12 q/acre
8.	Seed weight (1000 seed weight in g)	Medium (7.6-10)
9.	Any other relevant information specific to the variety/Hybrid to attain potential yield.	It is suited for low to medium rainfall (rainfed condition). It shall be sown on time and sufficient moisture during tillering, flowering and growing stage is required. Plant protection and intercultural operation measures to be adopted as applicable

22. Application No.

E6	PG6	19	77
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 filed on 06.05.2019 by **Bayer Crop Science LP, 2 T.W. Alexander Drive, Research Triangle Park NC 277009, USA** for Extant

(Notified) variety of crop **Pearl millet** (*Pennisetum glaucum* (L.) R.Br) having denomination **PP106** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : PP106
Applicant : Bayers Crop Science LP
Address of the applicant : 2 T.W. Alexander Drive, Research Triangle Park NC
 277009,
 Nationality of applicant : USA
Application details
 a. Number :

E6	PG6	19	77
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 b. Date of receipt : 06.05.2019
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R. Br)
 Denomination : PP106
 Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed
 Denomination : Not applicable
 Name of parental material : S10PMHTN-178
 Source of parental material : Own restorer line population
 Name of reference varieties : ICMR 356, IPC 1538
 Notification details : Notification no. S.O. 6318 (E), dated: 26/12/2018

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Very Late (> 54 days)
Anther: Colour (Characteristic 9)	Yellow
Spike: Shape (Characteristic 23)	Candle
Plant Height (Characteristic 22)	Short (101-150)
Seed: Colour (Characteristic 26)	Grey
Seed: Shape (Characteristic 27)	Obovate
B. Distinct characteristics of candidate variety:	
PP106 has distinguishing character as plant anthocyanin colouration of first leaf sheath absent, plant node pubescence absent, spike anthocyanin pigmentation of glume present, candle spike shape, grey seed colour and obovate seed shape.	
C. Distinct characteristics of reference varieties:	
ICMR 356 has distinguishing as plant anthocyanin colouration of first leaf sheath absent, plant	

node pubescence present, spike anthocyanin pigmentation of glume absent, conical spike shape, grey seed colour and globular seed shape.		
IPC1538 has distinguishing characters as plant anthocyanin colouration of first leaf sheath present, plant node pubescence absent, spike anthocyanin pigmentation of glume absent, conical spike shape, deep grey seed colour and globular seed shape.		
D. Date of commercialization of the variety		26/12/2018
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Late (92 days)
2.	Days to flowering/Anthesis (Average)	62 days
3.	Production condition: suitability area in the country	Telangana state (ZONE B)
	:Time of sowing	Summer : Mid-Feb to March Kharif: June to 2 nd week of July
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low to high fertility Soil.
4.	Tolerant to disease and Pest	Resistant to Downy mildew, Blast, Smut and Ergot Tolerant to shoot fly and stem borer.
5.	Tolerance to adverse Temperature/Frost/ &Heat-Sensitive/Tolerance	Drought tolerant
6.	Grain characters physical	
	a) Kernal size	Not applicable
	b) Seed lusture	Not applicable
	c) Seed colour	Grey
7.	Zonewise yield potential (average) per acre (q/acre)	11-12 q/ac
8.	Seed weight (1000 seed weight in g)	Small (5.0-7.5)
9.	Any other relevant information specific to the variety/Hybrid to attain potential yield.	Spacing Row to Row shall be 45cm and plant to plant should be 15cm. Sowing window as provided above to be followed and sufficient moisture is required at tillering, flowering and grain filling stage.

23. Application No.

F10	LC10	15	398
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 filed on 03.12.2015 by **Anand Kumar, Village & Post: Banki, Dist: Chatra, Jharkhand 825401** for **Farmer** variety of crop **Lentil** (*Lens culinaris* Medik) having denomination **Desi Safed** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -
-----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi-110 012.

Passport data of the variety : Desi Safed
Applicant : Anand Kumar
Address of the applicant : Village & Post: Banki, Dist: Chatra, Jharkhand 825401
Nationality of applicant : Indian
Application details
a. Number :

F10	LC10	15	398
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b. Date of receipt : 03.12.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Lentil (*Lens culinaris* Medik)
Denomination : Desi Safed
Type of variety : Farmer
Classification of variety : Typical
Previously proposed
Denomination : Not applicable
Name of reference varieties : IPL-81, PL-234

Variety description:

A. Grouping characteristics		Remarks (measured values)
Stem: Anthocyanin colouration (Characteristic 2)		Present
Time of flowering (Characteristic 3)		Early (<60 days)
Leaf: Pubescence (Characteristic 4)		Present
Flower : Colour of standard (Characteristic 7)		Violet
Seed: Size (Characteristic 10)		Small (<2.0 g)
Seed: Testa colour (Characteristic 11)		Brown
B. Distinct characteristics of candidate variety: Desi Safed has distinguishing character as medium leaflet size and small seed size		
C. Distinct characteristics of reference varieties: IPL-81 has distinguishing character as small leaflet size and medium seed size PL-234 has distinguishing character as large leaflet size and medium seed size		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early 110-115 days
2.	Production condition: suitability area in the country	
	:Time of sowing	15 th Oct - 15 th Nov.
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility soil	Low fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Frost
4.	Tolerance to disease and pests	Resistance to pest & disease

5.	The best growing season to attain the potential yield	October
6.	Number of Pods per Plant (average)	225-275 pods/ pl
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	2.8-3.5 q/ac
8.	Seed yield q/ac (Average)	3.2- 4.0 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency Type)	Low water use efficiency

24. Application No.

F7	PS7	15	370
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 filed on 03.11.2015 by **Pramod Kumar Dangi, Village & Post: Gidhour, Dist: Chatra, Jharkhand 825408**, for **Farmer** variety of crop **Field pea (*Pisum sativum* L.)** having denomination **Desi Safed-2** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi-110 012.

Passport data of the variety : Desi Safed-2
Applicant : Pramod Kumar Dangi
Address of the applicant : Village & Post: Gidhour, Dist: Chatra, Jharkhand 825408
Nationality of applicant : Indian
Application details
a. Number :

F7	PS7	15	370
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b. Date of receipt : 03.11.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Fieldpea (*Pisum sativum* L.)
Denomination : Desi Safed-2
Type of variety : Farmer
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of reference varieties : B-22 and Arka Ajeet

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Height (Characteristic 14)	Long (>80 cm)
Stipule: Rabbit-eared stipules (Characteristic 6)	Present
Flower : Opening (days) (Characteristic 8)	Medium (51-70)
Pod : Shape of the distal part (Characteristic 12)	Pointed

Seed: Cotyledon colour (Characteristic 17)	Creamy	
Seed: Shape (Characteristic 15)	Spherical	
B. Distinct characteristics of candidate variety: Desi Safed-2 has distinguishing character as light green foliage colour and pod curvature absent		
C. Distinct characteristics of reference varieties: B-22 has distinguishing character as dark green foliage colour and medium pod curvature Arka Ajeet has distinguishing character as green foliage colour and weak pod curvature		
D. Date of commercialization of the variety	NA	
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early 100-105 days
2.	Production condition: suitability area in the country	
	:Time of sowing	10 th Oct - 15 th Nov
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility soil	Low fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Frost
4.	Tolerance to disease and pests	Resistance to pest & disease
5.	The best growing season to attain the potential yield	October
6.	Number of Pods per Plant (average)	50-60 pods/ pl
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	2.8 – 3.5 q/ac
8.	Seed yield q/ac (Average)	4.4 – 5.2 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency Type)	Low water use efficiency

25. Application No.

F9	PS9	15	408
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 filed on 16.03.2015 by **Vinay Kumar Yadav**, **Village: Kobni, Post: Kobna, Dist: Chatra, Jharkhand 825403** for **Farmer** variety of crop **Field pea** (*Pisum sativum* L.) having denomination **Desi Matar Chota-2** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi-110 012.

Passport data of the variety : Desi Matar Chota-2
Applicant : Vinay Kumar Yadav
Address of the applicant : Village: Kobni, Post: Kobna, Dist: Chatra, Jharkhand
825403
Nationality of applicant : Indian

Application details

	F9	PS9	15	408
a. Number	:			
b. Date of receipt	: 16.03.2015			
c. Date of acceptance	: --			
Crop (taxonomical lineage)	: Fieldpea (<i>Pisum sativum</i> L.)			
Denomination	: Desi Matar Chota-2			
Type of variety	: Farmer			
Classification of variety	: Typical			
Previously proposed				
Denomination	: Not applicable			
Name of reference varieties	: IPF-99-25, Rachna			

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Height (Characteristic 14)		Medium (60-80 cm)
Stipule: Rabbit-eared stipules (Characteristic 6)		Present
Flower : Opening (days) (Characteristic 8)		Medium (51-70)
Pod : Shape of the distal part (Characteristic 12)		Pointed
Seed: Cotyledon colour (Characteristic 17)		Creamy
Seed: Shape (Characteristic 15)		Spherical
B. Distinct characteristics of candidate variety:		
Desi Matar Chota-2 has distinguishing character as stem anthocyanin colouration present and rabbit-eared stipules present		
C. Distinct characteristics of reference varieties:		
IPF-99-25 has distinguishing character as stem anthocyanin colouration absent and rabbit-eared stipules absent		
Rachna has distinguishing character as stem anthocyanin colouration absent and rabbit-eared stipules present		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early 85-95 days
2.	Production condition: suitability area in the country	
	:Time of sowing	15 th Oct - 15 th Nov
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility soil	Low fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Frost
4.	Tolerance to disease and pests	Resistance to pest & disease
5.	The best growing season to attain the potential yield	20 th - 25 th October
6.	Number of Pods per Plant (average)	
7.	Zone Wise Yield Potential (Average)	3-4 q/ac

	per acre (q/ac)	
8.	Seed yield q/ac (Average)	3.6-4.4 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency type)	Low water use efficiency

26. Application No.

E20	AE34	13	923
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 filed on 21.11.2013 by **Nuziveedu Seeds Ltd, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy Dist.-501401, Telangana** for **Extant (VCK)** variety of crop **Okra (*Abelmoschus esculentus* (L.) Moench)** having denomination **OK-425** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : OK- 425
Applicant : Nuziveedu Seeds Ltd
Address of the applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401. Telangana.
Nationality of applicant : Indian
Application details

E20	AE34	13	923
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a. Number :
b. Date of receipt : 21.11.2013
c. Date of acceptance : --
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench)
Denomination : OK-425
Type of variety : Extant (VCK)
Classification of variety : Other (parental line)
Previously proposed : Not applicable
Denomination :
Name of parental material : OKHI-144
Source of parental material : Own germplasm
Name of reference varieties : Arka Anamika, Prabhani Kranti

Variety description:

A. Grouping characteristics	Remarks (measured values)
Stem: Colour (Characteristic 1)	Green
Leaf blade: Depth of lobing (Characteristic 3)	Medium
Stem: Number of node at first flowering (up to and including the first flower node (Characteristic 4)	Medium
Fruit: Colour (Characteristic 17)	Green

Fruit: Number of locules (Characteristic 24)	<6	
Plant: Number of branches (Characteristic 25)	Medium	
B. Distinct characteristics of candidate variety: OK- 425 has distinguishing character as weak fruit pubescence		
C. Distinct characteristics of reference varieties: Arka Anamika has distinguishing character as medium fruit pubescence Prabhani Kranti has distinguishing character as weak fruit pubescence		
D. Date of commercialization of the variety	12/04/2004	
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Medium
2.	Production condition: suitability area in the country	All Okra growing areas of India. Okra can be taken twice a year in plains. The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan. to Mar. Whereas rainy season crop is sown in July in areas of heavy rainfall
	:Time of sowing	The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan. to Mar. Whereas rainy season crop is sown in July in areas of heavy rainfall
	:Irrigated/rainfed	Irrigated
	:Low fertility/high fertility of soil	All soils sowing can be done with nutrient management
3.	Tolerance to adverse Temperature /Frost &Heat- Sensitive/Tolerance	Can be sown around the season except too high temperature and too low temperature
4.	Tolerance to water Stagnation: Sensitive/ Tolerant	Sensitive
5.	Resistance/Tolerance to Pest/s	No
6.	Staking & Pruning Practices	NA
7.	Winter- Spring cropping seasons Type	can be sown in spring/summer
8.	Fruit yield q/ac	4 - 4.4 q/c
9.	Fruit yield/plant (Kg/ha) (average)	180-220 g/plant
10.	Fruit quality and fruit firmness	Green fruits, shining, tender and easy to picking
11.	Fruit Picking Schedule	Fruits picked two days interval after 47- 49 DAS
12.	Transport Potential (Days)	2 days in protected condition
13.	Unique Selling Proposition and	3 days in protected condition

	Optimal Shelf-life (Days)	
14.	Any other relevant information specific to the variety	
i.	Days to produce	47- 49 days
ii.	Fruit colour	Lush dark green
iii.	Fruit length	10-12 cm
iv.	Fruit tenderness	Tender fruits
v.	Leaf type	Okra
vi.	No. of locules	05
vii.	Plant height	Medium tall

27. Application No.

E1	LL28	10	495
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 filed on 28.12.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034**, for **Extant (VCK)** variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **FN-9022** has been accepted and given registration number - -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : FN-9022
Applicant : Nuziveedu Seeds Ltd.
Address of the applicant : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034
Nationality of applicant : Indian
Application details
a. Number :

E1	LL28	10	495
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b. Date of receipt : 28.12.2010
c. Date of acceptance : --
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)
Denomination : FN-9022
Type of variety : Extant (VCK)
Classification of variety : Other (parental line)
Previously proposed Denomination : Not applicable
Name of parental material : BT-101-2 (Female parent) and BT-22-4 (male parent)
Source of parental material : Own germplasm
Name of reference varieties : Colombia, Lakshmi (5005)

Variety description:

A. Grouping characteristics	Remarks (measured values)
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Plant : Growth type (Characteristic 3)	Determinate	
Leaf: serration (Characteristic 12)	Less serrated	
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent	
Fruit : Shape in longitudinal section(Characteristic 33)	Slightly Flattened	
Fruit :Colour at maturity (Characteristic 43)	Red	
B. Distinct characteristics of candidate variety: FN-9022 has distinguishing character as determinate plant growth type, narrow leaflet width, short jointed peduncle length (from abscission layer to calyx)		
C. Distinct characteristics of reference varieties: Colambia has distinguishing character as indeterminate plant growth type, medium leaflet width, medium jointed peduncle length (from abscission layer to calyx) Lakshmi (5005) has distinguishing character as determinate plant growth type, narrow leaflet width, short jointed peduncle length (from abscission layer to calyx)		
D. Date of commercialization of the variety	09/08/2009	
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early
2.	Production condition: suitability area in the country	UP, Rajasthan, Bihar, Jharkhand, Chhattisgarh, W. Bengal <i>etc</i>
	:Time of sowing	July- Oct
	:Irrigated/rainfed	Irrigated
	:Low fertility/high fertility of soil	Both
3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Very high heat tolerant
4.	Tolerance to water Stagnation: Sensitive/ Tolerant	Sensitive
5.	Resistance/Tolerance to Pest/s	White fly
6.	Staking & pruning Practices	Based on local cultivation practices
7.	Winter- Spring cropping seasons Type	Spring/ winter
8.	Fruit yield q/ac	280-320 q/c
9.	Fruit yield/plant (Kg/ha) (average)	5-6 kg
10.	Fruit quality and fruit firmness	Good firm fruit with very good fruit quality
11.	Fruit picking Schedule	2 days interval
12.	Transport potential (Days)	8-10 days
13.	Unique Selling Proposition and Optimal Shelf-life (Days)	Very early and high heat set
14.	Any other relevant information specific to the variety/hybrid	Very early with good heat setting

28. Application No.

F5	SB5	16	105
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 filed on 1/03/2016 by **Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee, Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon, Dist: Nandurbar-425414** for **Farmer** variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **MOTHI SAFED JUWAR** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : MOTHI SAFED JUWAR
Applicant : Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee
Address of the applicant : Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon,
Dist: Nandurbar-425414
Nationality of applicant : Indian
Application details
a. Number :

F5	SB5	16	105
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b. Date of receipt : 1/03/2016
c. Date of acceptance : --
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)
Denomination : MOTHI SAFED JUWAR
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : M 35-1

Variety description:

A. Grouping characteristics	Remarks (measured values)
Kharif or Rabi adaptation	Kharif
Plant: Time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)	Late (76-85 days)
Plant: Total height (Characteristics 18)	Medium (151-225cm)
Panicle: Shape (Characteristics 27)	Panicle broader in lower part
Caryopsis: Colour after threshing (Characteristics 33)	Yellow white 158
B. Distinct characteristics of candidate variety: MOTHI SAFED JUWAR has distinguishing character as flag leaf yellow colouration of midrib absent and compact panicle density at maturity (ear head compactness).	
C. Distinct characteristics of reference varieties: M 35-1 has distinguishing character as flag leaf yellow colouration of midrib present and semi compact panicle density at maturity (ear head compactness).	
D. Date of commercialization of the variety	-

E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	115-120 days
2.	Production condition: suitability area in the country	Maharashtra (Transition Zone II)
	:Time of sowing	1-15 June
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to Disease & pests	-
4.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Tolerance to adverse temperature
5.	Grain Characters Physical:	
	a) Kernal Size (cm)	0.4 cm diameter
	b) Seed Lustre (Present/ Absent)	absent
	c) Seed colour	Greyed white
6.	Zone Wise Yield Potential (Averge) per acre (q/ac)	7.5 q/ac
7.	Seed Yield q/ac (Average)	7.5 q/ac
8.	Seed: Weight (100 seeds weight in g)	1.78 g
9.	Any other relevant information specific to the variety / hybrid	Plant height 205-210 cm, circular grain, non lustrous, freely thresh able, compact panicle, sweet grains used for making bhakari, lahya and shira.

29. Application No.

F2	SB2	16	102
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 filed on 1/03/2016 by **Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee, Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon, Dist: Nandurbar-425414**, for **Farmer** variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **CHINKI LAL (LOOSE PENICLE)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : CHINKI LAL (LOOSE PENICLE)
Applicant : Yaha Mogi Mata Sthanik Biyanee Savardhan Samitee
Address of the applicant : Mr. Mochada Pawara, At: Harankhuri, Tal: Dhadgaon,
Dist: Nandurbar-425414

Nationality of applicant : Indian

Application details

a. Number	:	F2	SB2	16	102
b. Date of receipt	:	01.03.2016			
c. Date of acceptance	:	--			
Crop (taxonomical lineage)	:	Sorghum (<i>Sorghum bicolor</i> (L.) Moench)			
Denomination	:	CHINKI LAL (LOOSE PENICLE)			
Type of variety	:	Farmer			
Classification of variety	:	Typical			
Previously proposed	:				
Denomination	:	Not applicable			
Name of reference varieties	:	M 35-1			

Variety description:

A. Grouping characteristics		Remarks (measured values)
Kharif or Rabi adaptation		Kharif
Plant: Time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)		Late (76-85 days)
Plant: Total height (Characteristics 18)		Short (76-150 cm)
Panicle: Shape (Characteristics 27)		Symmetric
Caryopsis: Colour after threshing (Characteristics 33)		Greyed orange 200
B. Distinct characteristics of candidate variety: CHINKI LAL (LOOSE PENICLE) has distinguishing character as greyed purple glume colour, short plant total height and greyed orange caryopsis colour after threshing.		
C. Distinct characteristics of reference varieties: M 35-1 has distinguishing character as greyed orange glume colour, medium plant total height and yellow orange caryopsis colour after threshing.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	115-120 days
2.	Production condition: suitability area in the country	Maharashtra (Transition Zone II)
	:Time of sowing	10 th -15 th June
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to Disease & pests	-
4.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Tolerance to adverse Temperature
5.	Grain Characters Physical:	
	a) Kernal Size (cm)	0.35 cm diameter
	b) Seed Lustre (Present/ Absent)	Present
	c) Seed colour	Grayed orange

6.	Zone Wise Yield Potential (Average) per acre (q/ac)	4.5 q/ac
7.	Seed Yield q/ac (Average)	5 q/ac
8.	Seed: Weight (100 seeds weight in g)	1.69 g
9.	Any other relevant information specific to the variety / hybrid	Circular grains, partly thresh able, compact panicle due to more stickiness and sweetness, it is mainly used for making papad. It is also used for liquid gruel preparation which is instant energy supplier.

30. Application No.

F9	LC9	15	395
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 filed on 12/03/2015 by **Yogendra Yadav**, **Village: Panti, Dist: Chatra, Jharkhand** for **Farmer** variety of crop **Lentil** (*Lens culinaris* Medik) having denomination **Desi Lal** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on - -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi-110 012.

Passport data of the variety : Desi Lal
Applicant : Yogendra Yadav
Address of the applicant : Village: Panti, Dist: Chatra, Jharkhand
Nationality of applicant : Indian
Application details

F9	LC9	15	395
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a. Number :
b. Date of receipt : 12/03/2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Lentil (*Lens culinaris* Medik)
Denomination : Desi Lal
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : IPL-81, PL-5

Variety description:

A. Grouping characteristics	Remarks (measured values)
Stem: Anthocyanin colouration (Characteristics 2)	Present
Time of flowering (Characteristics 3)	Medium (60-80 days)
Leaf: Pubescence (Characteristics 4)	Present
Flower: Colour of standard (Characteristics 7)	Violet
Seed: Size (Characteristics 10)	Small (<2.0 g)

Seed: Testa colour(Characteristics 11)	Brown	
B. Distinct characteristics of candidate variety: Desi Lal has distinguishing character as medium leaflet size, semi erect plant growth habit and small seed size		
C. Distinct characteristics of reference varieties: IPL-81 has distinguishing character as small leaflet size, semi erect plant growth habit and medium seed size PL-5 has distinguishing character as large leaflet size, horizontal plant growth habit and very large seed size		
D. Date of commercialization of the variety		
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Early 110-115 days
2.	Production condition: suitability area in the country	
	:Time of sowing	15 th Oct-15 th Nov
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to Disease & pests	Resistance to pest & disease
4.	Tolerance to adverse Temperature/Frost/ &Heat- Sensitive/Tolerance	Frost
5.	The best growing season to attain the potential yield	20 th October
6.	Number of Pods per Plant (average)	200-250 pods/ pl
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	2.5 – 3.0 q/ac
8.	Seed yield q/ac (Average)	2.8 – 3.6 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency Type)	Low water use efficiency

31. Application No.

F5	CA5	15	287
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 filed on 12/03/2015 by **Ram dhari Ram, Village: Saraeya, Post: Umapur, Dist: Kaimur, Bihar-821102** for **Farmer** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **Chana-15** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Chana-15
Applicant : Ramdhari Ram
Address of the applicant : Village: Saraeya, Post: Umapur, Dist: Kaimur, Bihar-821102
 Nationality of applicant : Indian
Application details
 a. Number :

F5	CA5	15	287
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 b. Date of receipt : 12/03/2015
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)
 Denomination : Chana-15
 Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed :
 Denomination : Not applicable
 Name of reference varieties : K 850, DCP-92-3

Variety description:

A. Grouping characteristics		Remarks (measured values)
Time of flowering (Characteristic 3)		Medium (61-80 days)
Flower : Colour (Characteristic 9)		Pink
Seed: Colour (Characteristic 15)		Brown
Seed : Size (Characteristic 16)		Very small (<20g)
B. Distinct characteristics of candidate variety: Chana-15 has distinguishing character as semi erect plant growth habit, medium leaflet size, medium plant height and very small seed size.		
C. Distinct characteristics of reference varieties: K 850 has distinguishing character as erect plant growth habit, medium leaflet size, short plant height and medium seed size. DCP-92-3 has distinguishing character as semi erect plant growth habit, medium leaflet size, short plant height and very small seed size.		
D. Date of commercialization of the variety		
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	140 days
2.	Production condition: suitability area in the country	
	:Time of sowing	22 nd - 25 th October
	:Irrigated/rainfed	Irrigated
	:Low fertility/high fertility of soil	Low fertility
3.	Tolerance to Disease & pests	Resistance to attack of Pod borer
4.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive /Tolerance	Frost

5.	The best growing season to attain the potential yield	Rabi
6.	Number of Pods per Plant (average)	81 pods/ plant
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	6 q/ac
8.	Seed yield q/ac (Average)	5.6 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency type)	Good in taste, Low water use efficiency

32. Application No.

F7	CA7	15	312
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 filed on 16.02.2015 by **Prithvinath Singh, Village: Bhashi, Post: Umapur, Dist: Kaimur-821102, Bihar** for **Farmer** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **Chana-1** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on - ----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Chana-1
Applicant : Prithvinath Singh
Address of the applicant : Village: Bhashi, Post: Umapur, Dist: Kaimur-821102, Bihar
Nationality of applicant : Indian
Application details
a. Number :

F7	CA7	15	312
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b. Date of receipt : 16.02.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)
Denomination : Chana-1
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : Sadabahar, Pant G 114

Variety description:

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 3)	Medium (61-80 days)
Flower : Colour (Characteristic 9)	Pink
Seed: Colour (Characteristic 15)	Yellow

Seed : Size (weight of 100 seeds at 10% moisture content) (Characteristic 16)	Medium (26-35g)	
B. Distinct characteristics of candidate variety: Chana-1 has distinguishing character as medium time of flowering and large pod size (length).		
C. Distinct characteristics of reference varieties: Sadabahar has distinguishing character as late time of flowering and medium pod size (length). Pant G 111 has distinguishing character as medium time of flowering and medium pod size (length)		
D. Date of commercialization of the variety	-	
E. Agronomic and commercial attributes		
S.No	Attributes	Details
1.	Days to maturity: early/medium/late	125 days
2.	Production condition: suitability area in the country	
	:Time of sowing	15 th November
	:Irrigated/rainfed	irrigated
	:Low fertility/high fertility of soil	Low Fertility
3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Frost
4.	Resistance/Tolerance to Pest/s	Pod borer attack
5.	The best growing season to attain the potential yield (zone-wise)	Rabi
6.	Number of pods per plant (average)	90
7.	Zone wise yield potential (average) per acre (q/Acre)	6.5 q/ac
8.	Seed yield q/ Acre (average)	6 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency Type)	Good in taste, Low water use efficiency type.

33. Application No.

F8	CA8	15	316
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 filed on 16.02.2015 by **Akam Singh, Village: Jharpa, Post: Adhaura, Dist: Kaimur-821116, Bihar** for **Farmer** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **Chana-2000** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in -----NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

Passport data of the variety : Chana-2000
Applicant : Akam Singh
Address of the applicant : Village: Jharpa, Post: Adhaura, Dist: Kaimur-821116, Bihar
 Nationality of applicant : Indian
Application details
 a. Number :

F8	CA8	15	316
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 b. Date of receipt : 16.02.2015
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)
 Denomination : Chana-2000
 Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed :
 Denomination : Not applicable
 Name of reference varieties : Sadabahar, K 850

Variety description:

A. Grouping characteristics		Remarks (measured values)
Time of flowering (50% of the plants with at least one open flower) (Characteristic 3)		Medium (61-80 days)
Flower : Colour (Characteristic 9)		Pink
Seed: Colour (Characteristic 15)		Brown
Seed : Size (weight of 100 seeds at 10% moisture content) (Characteristic 16)		Medium (26-35g)
B. Distinct characteristics of candidate variety: Chana-2000 has distinguishing character as medium time of flowering, semi-erect plant growth habit and owl's head seed shape.		
C. Distinct characteristics of reference varieties: Sadabahar has distinguishing character as late time of flowering, semi-erect plant growth habit and owl's head seed shape. K 850 has distinguishing character as medium time of flowering, erect plant growth habit and owl's head seed -shape.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	150 days (Late)
2.	Production condition: suitability area in the country	
	:Time of sowing	10 th -15 th October
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility of soil	Low Fertility

3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive /Tolerance	Tolerance to adverse Temperature
4.	Resistance/Tolerance to Pest/s	Pod borer attack
5.	The best growing season to attain the potential yield (zone wise)	October
6.	Number of pods per plant (average)	115
7.	Zone wise yield potential (average) per acre (q/Acre)	5 q/ac
8.	Seed yield q/ Acre (average)	6.7 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High Water Use Efficiency Type)	Sweetness in taste, Very tasty green grain

34. Application No.

N44	OS797	14	1261
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 filed on 10.06.2014 by **Bayer Crop Science LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 277009** for **New** variety of crop **Rice** (*Oryza sativa* L.) having denomination **M018** has been accepted and given registration number -----
- -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

Passport data of the variety : M018
Applicant : Bayer Crop Science
Address of the applicant : 2 T.W. Alexander Drive, Research Triangle Park, NC 277009
Nationality of applicant : USA
Application details
a. Number :

N44	OS797	14	1261
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b. Date of receipt :10.06.2014
c. Date of acceptance : ----
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)
Denomination : M018
Type of variety : New
Classification of variety : Typical
Previously proposed Denomination : Not applicable

Name of reference varieties : Jaya, IR64

Variety Description:

A. Grouping Characteristics		Remarks (measured values)
Basal leaf: sheath colour (Characteristic 2)		Green
Time of heading (50% of plant with panicles) (Characteristic 20)		Medium
Stem length:(excluding panicles) (Characteristic 29)		Very short
Decorticated grain: length (Characteristic 54)		Medium
Decorticated grain: shape (in lateral view)(Characteristic 56)		Short bold
Decorticated grain: colour (Characteristic 57)		Light brown
Endosperm: content of amylose (Characteristic 59)		High
Decorticated grain: aroma (Characteristic 62)		Absent
B. Distinct characteristics of candidate variety: M018 has distinguishing character as short bold decorticated grain shape (lateral view), light brown decorticated grain colour		
C. Distinct characteristics of reference varieties: Jaya has distinguishing character as medium slender decorticated grain shape (lateral view),white decorticated grain colour IR64 has distinguishing character as long slender decorticated grain shape (lateral view), light brown decorticated grain colour		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Days to flowering/Anthesis (Average)	91-110
2.	Days to physiological maturity (Average)	121-140
3.	Production condition : suitable area in the country	Karimnagar, Warangal (AP and Telangana)
4.	Irrigated /rainfed	Irrigated
5.	Time of sowing	Last week of Nov to 3 rd week of Dec
6.	Low fertility/ high fertility	Both
S. No.	Commercial attributes	Details
1.	Grain kernel size	Medium
2.	Seed colour	Light brown
3.	Grain yield /ac	160-200 q/ac

4.	Seed weight (1000 grain weight in gram)	26-30g
5.	Any other relevant value addition information specific to the variety in terms of trade	Timely sowing and following package of practices

35. Application No.

E35	GH110	10	333
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 filed on 23.11.2010 by **Sungro Seeds Private Limited, 19 Raj Mahal, 4th Floor, 84 Veer Nariman Road, Mumbai-400020** for a **Extant (VCK)** variety of crop **Tetraploid Cotton** (*Gossypium hirsutum* L.) having denomination **VC-22** has been accepted and given registration number -----NA -----on -----NA -----

The convention application no. ----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

Passport data of the variety : VC-22
Applicant : Sungro Seeds Private Limited.
Address of the applicant : 19 Raj Mahal, 4th Floor, 84 Veer Nariman Road, Mumbai-400020
Nationality of applicant : Indian
Application details
a. Number :

E35	GH110	10	333
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b. Date of receipt : 23.11.2010
c. Date of acceptance : --
Crop (taxonomical lineage) : Tetraploid Cotton (*Gossypium hirsutum* L.)
Denomination : VC-22
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of parental material : VICH-9
Source of parental material : Own germplasm
Name of Reference varieties : JCC-1

Variety Description:

A. Grouping Characteristics	Remarks (measured values.)
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Yellow

Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium

B. Distinct characteristics of candidate variety : VC-22 has distinguishing characters as yellow flower petal colour, white fibre colour		
C. Distinct characteristics of reference variety: JCC-1has distinguishing characters as cream flower petal colour, brown fibre colour		
D. Date of commercialization of the variety		24.05.1996
E. Agronomic and commercial attributes		
S. No	Agronomic attributes	Details
1.	Growth habit (determinate/ indeterminate)	Indeterminate
2.	Days to flowering/anthesis (average)	Early
3.	Days to physiological maturity (average)	150-160 day
4.	Seed rate/acre	1.0-1.5 kg
5.	Recommended nutrition/acre Organic (per acre) Inorganic(per acre)	4-5 ton FYM 48:24:24 NPK
6.	Spacing cm requirement to attain potential yield. Row to row Plant to plant	Irrigated:90cm Rainfed :90cm Irrigated:90cm Rainfed :60cm
7.	Soil requirement	Medium to heavy black
8.	Plant protection measures to attain the potential yield	As per recommended by CICR Nagpur
9.	Sowing window requirement to attain potential yield zone wise	Central & south zone May to June
10.	Number of irrigation	4 to 5
11.	The best growing season to attain the potential yield zone wise	Central & south zone: kharif
12.	Climatic zone of India in which the varietal/ hybrid trials were conducted	Tested in central & south zone
13.	Intercultural operations (including training, pruning & nipping)	2-4 hoeing and 3-4 hand weeding
S. No	Commercial attributes	Details
1.	Yield of kapas/acre	Central and south zone: 4-5 q/ac
2.	Yield of lint/acre	Central and south zone: 1.5-2.0 q/ac

36. Application No.

F451	OS507	13	1251
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 filed on 10.12.2013 by **Furkan Uddin S/o Mokmod Ali, Village: Sharonsdoopur, P.O. Manikganj, Dist: Karimganj 788710** for Farmer variety of crop **Rice (*Oryza sativa* L.)** having denomination **CHAFRA SAIL** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in -----NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

Passport data of the variety : CHAFRA SAIL
Applicant : Furkan Uddin
Address of the applicant : S/o Mokmod Ali, Village: Sharonsdoopur, P.O. Manikganj, Dist. Karimganj 788710
Nationality of applicant : Indian

Application detail

a. Number :

F451	OS507	13	1251
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b. Date of receipt : 10.12.2013
c. Date of acceptance : -
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)
Denomination : CHAFRA SAIL
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : MTU 1010

Variety Description:

A. Grouping characteristics	Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Early
Stem: Length excluding panicles (Characteristic 29)	Very short
Decorticated grain: Length (Characteristic 54)	Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Long bold
Decorticated grain: Colour (Characteristic 57)	Light brown
Endosperm: Content of amylose (Characteristic 59)	Medium
Decorticated grain: Aroma (Characteristic 62)	Absent

B. Distinct characteristics of candidate variety: CHAFRA SAIL has distinguishing character as well exerted panicle		
C. Distinct characteristics of reference varieties: MTU 1010 has distinguishing character as mostly exerted panicle		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to flowering/ Anthesis(Average)	105 days
2.	Day to maturity (Early/ Medium/ Late)	Early
3.	Production condition: suitable area in country	Barak Valley Zone, Assam
4.	Time of sowing	June-July
5.	Irrigated/Rain-fed	Rain-fed
6.	Low fertility/High fertility	Both
7.	Tolerance to disease and pests	Moderate
8.	Tolerance to adverse temperature / Frost/ Heat/Salinity	Moderate
S.No.	Commercial attributes	Details
1.	Seed lustre (Present/ Absent)	Absent
2.	Grain Yield/ac	10-12 q/ac
3.	Seed weight (100 grain weight in gram)	2.14g

37. Application No.

F456	OS512	13	1256
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 filed on 10.12.2013 by **Nikhil Namasundra** S/o Saklal, Village: Kalima, P.O. Manikganj, G.P. Panighar Pura, Dist: Karimganj 788710 for **Farmer** variety of crop **Rice** (*Oryza sativa* L.) having denomination **DHOL MEGH** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA---

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

Passport data of the variety : DHOL MEGH
Applicant : Nikhil Namasundra
Address of the applicant : S/o Saklal, Village: Kalima, P.O. Manikganj, G.P. Panighar Purahuria, Dist: Karimganj 788710
 Nationality of applicant : Indian
Application detail
 a. Number :

F456	OS512	13	1256
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 b. Date of receipt : 10.12.2013
 c. Date of acceptance : -
 Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)
 Denomination : DHOL MEGH
 Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed
 Denomination : Not applicable
 Name of reference varieties : BPT 5204

Variety Description:

A. Grouping characteristics		Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Green
Time of heading (50% of plants with panicles) (Characteristic 20)		Medium
Stem: Length excluding panicles (Characteristic 29)		Very short
Decorticated grain: Length (Characteristic 54)		Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Medium slender
Decorticated grain: Colour (Characteristic 57)		Light brown
Endosperm: Content of amylose (Characteristic 59)		Medium
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct characteristics of candidate variety: DHOL MEGH has distinguishing character as well exerted panicle		
C. Distinct characteristics of reference varieties: BPT 5204 has distinguishing character as mostly exerted panicle		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to flowering/ Anthesis(Average)	112 days
2.	Day to maturity (Early/ Medium/ Late)	Medium
3.	Production condition: suitable area in country	Barak Valley Zone, Assam

4.	Time of sowing	June-July
5.	Irrigated/Rain-fed	Rain-fed
6.	Low fertility/High fertility	Both
7.	Tolerance and disease and pests	Moderate
8.	Tolerance to adverse temperature / Frost/ Heat/Salinity	Moderate
S.No.	Commercial attributes	Details
1.	Seed lustre (Present/ Absent)	Absent
2.	Grain Yield/ac	12-14 q/ac
3.	Seed weight (100 grain weight in g)	3.03g

38. Application No.

F462	OS518	13	1262
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 filed on 10.12.2013 by **Abdul Jalil S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Dist. Karimganj 788710** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **Kartic Sail** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA---

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi - 110012.

Passport data of the variety : Kartic Sail
Applicant : Abdul Jalil
Address of the applicant : S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Distt. Karimganj 788710
Nationality of applicant : Indian
Application details
a. Number :

F462	OS518	13	1262
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b. Date of receipt : 10.12.2013
c. Date of acceptance : -
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)
Denomination : Kartic Sail
Type of variety : Farmer
Classification of variety : Typical
Previously proposed

denomination : Not applicable
 Name of reference varieties : Jaya

Variety Description:

A. Grouping characteristics		Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Green
Time of heading (50% of plants with panicles) (Characteristic 20)		Medium
Stem: Length excluding panicles (Characteristic 29)		Very short
Decorticated grain: Length (Characteristic 54)		Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Short bold
Decorticated grain: Colour (Characteristic 57)		Light brown
Endosperm: Content of amylose (Characteristic 59)		Low
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct characteristics of candidate variety:		
Kartic Sail has distinguishing character as medium spikelet density of pubescence of lemma		
C. Distinct characteristics of reference varieties:		
Jaya has distinguishing character as strong spikelet density of pubescence of lemma		
D. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Day to flowering/ Anthesis (Average)	108 days
2.	Day to maturity (Early/ Medium/ Late)	Medium
3.	Production condition: suitable area in country	Barak Valley Zone, Assam
4.	Time of sowing	June-July
5.	Irrigated/Rain-fed	Rain-fed
6.	Low fertility/High fertility	Both
7.	Tolerance and disease and pests	Moderate
8.	Tolerance to adverse temperature / Frost/ Heat/Salinity	Moderate
S. No.	Commercial attributes	Details
1.	Seed lustre (Present/ Absent)	Absent
2.	Grain Yield/ha	10-12 q/ac

3.	Seed weight (100 grain weight in g)	2.35g
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39. Application No.

F470	OS526	13	1270
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 filed on 10.12.2013 by **Abdul Jalil S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Distt. Karimganj 788710** for **Farmer** variety of crop **Rice** (*Oryza sativa* L.) having denomination **Agni Sail** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi - 110012.

Passport data of the variety : Agni Sail
Applicant : Abdul Jalil
Address of the applicant : S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Dist. Karimganj 788710
Nationality of applicant : Indian
Application details
a. Number:

F470	OS526	13	1270
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b. Date of receipt : 10.12.2013
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : Agni Sail
Type of variety : Farmer
Classification of variety : Typical
Previously proposed Denomination : Not applicable
Name of reference varieties : Salivahana, Ranjit

Variety Description:

A. Grouping characteristics	Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length excluding panicles (Characteristic 29)	Very short
Decorticated grain: Length (Characteristic 54)	Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Short bold
Decorticated grain: Colour (Characteristic 57)	Light brown

Endosperm: Content of amylose (Characteristic 59)		Very high
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct characteristics of candidate variety: Agni Sail has distinguishing character as strong leaf pubescence of blade surface.		
C. Distinct characteristics of reference varieties: Salivahana has distinguishing character as medium leaf pubescence of blade surface. Ranjit has distinguishing character as character as weak leaf pubescence of blade surface.		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to flowering/Anthesis (Average)	117 days
2.	Day to maturity (Early/Medium/Late)	Late
3.	Production condition: suitable area in country	Barak Valley Zone, Assam
4.	Time of sowing	June-July
5.	Irrigated/Rain-fed	Rain-fed
6.	Low fertility/High fertility	Both
7.	Tolerance and disease and pests	Moderate
8.	Tolerance to adverse temperature/Frost/Heat/Salinity	Moderate
S.No.	Commercial attributes	Details
1.	Seed lustre (Present/Absent)	Absent
2.	Grain Yield/ac	10-12 q/ac
3.	Seed weight (100 grain weight in gram)	2.48g

40. Application No.

F477	OS533	13	1277
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 filed on 10.12.2013 by **Abdul Jalil S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Distt. Karimganj 788710** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **As 100** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -
----NA-----, in ---NA---

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi - 110012.

Passport data of the variety : As 100
Applicant : Abdul Jalil
Address of the applicant : S/o Suna Mia, Village: Borshila, P.O. Manikganj, G.P. Akbarpur, Distt. Karimganj 788710.
Nationality of applicant : Indian
Application details
a. Number :

F477	OS533	13	1277
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b. Date of receipt : 10.12.2013
c. Date of acceptance : -
Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : As100
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : Salivahana, Ranjit

Variety Description:

A. Grouping characteristics		Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Green
Time of heading (50% of plants with panicles) (Characteristic 20)		Medium
Stem: Length excluding panicles (Characteristic 29)		Very short
Decorticated grain: Length (Characteristic 54)		Short
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Short bold
Decorticated grain: Colour (Characteristic 57)		Light brown
Endosperm: Content of amylose(Characteristic 59)		Low
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct characteristics of candidate variety:		
As 100 has distinguishing character as strong lemma anthocyanin colouration of apex, panicle awns present.		
C. Distinct characteristics of reference varieties:		
Salivahana and Ranjit have distinguishing character as absent lemma anthocyanin colouration of apex and panicle awns absent.		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details

1.	Day to flowering/ Anthesis (Average)	98 days
2.	Day to maturity (Early/ Medium/ Late)	Early
3.	Production condition: suitable area in country	Barak Valley Zone, Assam
4.	Time of sowing	June-July
5.	Irrigated/Rain-fed	Rain-fed
6.	Low fertility/High fertility	Both
7.	Tolerance and disease and pests	Moderate
8.	Tolerance to adverse temperature / Frost/ Heat/Salinity	Moderate
S.No.	Commercial attributes	Details
1.	Seed lustre (Present/ Absent)	Absent
2.	Grain Yield/ac	10-12 q/ac
3.	Seed weight (100 grain weight in gram)	1.81g

41. Application No.

N62	GH3	14	445
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 Filed on 25.02.2014 by Prabhat Agri Biotech Ltd. **8-2-277/45, 1st Floor, UBI Colony, Road No.3, Banjara Hills, Hyderabad-500034** for New variety of crop **Tetraploid Cotton (*Gossypium hirsutum* L.)** having denomination **PC - P3812/1 BG-II** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. ----- NA-----, in respect of the said variety has been filed on - -----NA-----, in ---NA----

.Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi-110 012.

Passport data of the variety : PC - P3812/1 BG-II
Applicant : Prabhat Agri Biotech Ltd.
Address of the applicant : 8-2-277/45,1st Floor, UBI Colony, Road No.3, Banjara Hills, Hyderabad-500034
Nationality of applicant : Indian

Application details
a. Number :

N62	GH3	14	445
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b. Date of receipt : 25.02.2014
 c. Date of acceptance : --
 Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum* L.)
 Denomination : PC - P3812/1 BG-II
 Type of variety : New
 Classification of variety : Typical
 Previously proposed denomination : Not applicable
 Name of parental material : NCS-279 BG-II
 Source of parental material : Own germplasm
 Name of reference varieties : G Cot 12, PKV Rajat

Variety Description:

A. Grouping Characteristics	Remarks (measured values)
Leaf : Shape (Characteristic 8)	Palmate (Normal)
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Cream
Boll: Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium
B. Distinct characteristics of candidate variety:	
PC - P3812/1 BG-II has distinguishing character as white seed fuzz colour, high ginning %	
C. Distinct Characteristics of Reference varieties:	
G Cot 12 and PKV Rajat have distinguishing character as grey seed fuzz colour, very high ginning %	
D. Date of commercialization of the variety	

E. Agronomic & Commercial Attributes		
S.No.	Agronomic Attributes	Remarks
1.	Growth habit (Determinate/Indeterminate)	Semi Spreading (31-60cm) and indeterminate
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)
3.	Days to physiological maturity (Average)	150-165 days
4.	Seed Rate Per Acre	2-3 Kg/ac
5.	Recommended nutrition/acre schedule to attain potential yield and time of application:	Fertilizer management: Avoid growing cotton after cotton in the same field and follow crop rotation with crops like Maize, Soybean, Sorghum, Paddy and Chilies / Vegetables. Always apply FYM or compost @ 5-10 tons / acre three to four weeks before final harrowing and
	Organic (Per Acre)	
	Inorganic (Per Acre)	

		<p>sowing. Bt. Cotton needs timely balanced NPK application for greater boll retention in a short period and follows fertilizer application either based on soil test recommendation or the fertilizer dosage recommended below.</p> <p>Fertilizer recommendation (Kg/ac)</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">Irrigated</th> <th colspan="3">Rain fed</th> </tr> <tr> <th>N</th> <th>P</th> <th>K</th> <th>N</th> <th>P</th> <th>K</th> </tr> </thead> <tbody> <tr> <td>Basal dose (at sowing)</td> <td>20</td> <td>8</td> <td>8</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>1st Top dressing (25 DAS)*</td> <td>10</td> <td>6</td> <td>6</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td>2nd Top dressing (50 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3rd Top dressing (75 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Total Requirement</td> <td>30</td> <td>10</td> <td>10</td> <td>20</td> <td>10</td> <td>10</td> </tr> </tbody> </table>		Irrigated			Rain fed			N	P	K	N	P	K	Basal dose (at sowing)	20	8	8	10	10	10	1 st Top dressing (25 DAS)*	10	6	6	10	-	-	2 nd Top dressing (50 DAS)*	-	-	-	-	-	-	3 rd Top dressing (75 DAS)*	-	-	-	-	-	-	Total Requirement	30	10	10	20	10	10
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6.	<p>Spacing (cm) requirement to attain potential yield</p> <p>Row to Row</p> <p>Plant to Plant</p>	<p>Row to row and Plant to plant spacing may be followed based on soil texture, fertility status, irrigation availability, drip irrigation facility, crop rotation etc.</p> <p>Deep Black soils of Gujrat, M. Pand Khandesh region of Maharashtra: 90x60cm or 90 x 45 cm.</p> <p>Black Cotton soils of Vidarbha and Marathwada (Maharashtra) : 90 x 45cm or 90 x 60 cm</p>																																																
7.	<p>Plant protection measures to attain the potential yield</p>	<p>Plant Protection: It is very essential to control sucking pests like Jassids, Aphids, Thrips and Whitefly, like Non-Bt crop as Bollworm resistant trait doesn't provide any resistance for these pests. Protect crop against sucking pests, Aphids and Jassids with Clothianidin 15 to 20 g /acre</p> <p>Disease Management</p> <p>It is advisable to take up 1 or 2 prophylactic spraying after 90-100 days of crop growth with fungicide like Mancozeb, Carbendazim,</p>																																																
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9.	<p>Number of irrigations required to attain potential yield</p>	<p>Black soil 5-6 irrigations Sandy loam soils with low water retention capacity , 8-10 irrigations may be required at the interval of 15 day</p>																																																
11	<p>The best growing season to attain the potential yield (zonewise)</p>	<p>Kharif in South zone and Central zone</p>																																																
12	<p>Name the cropping/Climatic Zone of India in which the variety Hybrid trials were conducted</p>	<p>South and Central zone</p>																																																

10.	Intercultural operations (Including Training, Punning & Nipping)	Weed Management: During critical crop growth upto 60 days, fields should be weed free. Three to four inter cultivations (hoeing) at 15 days interval after 30 days of sowing helps in keeping the plot weed free as well as for retention of soil moisture. Under rain fed condition, hand weeding/ hoeing helps in keeping the plot free from weeds. Pendimethalin 1 litre / acre.
S.No	Commercial Attributes	Remarks
1.	Yield of Kapas/Acre (Average)	6-8 q/ac in south and central zone under irrigated condition 4-6 q/ac in south and central zone under rainfed condition
2.	Yield of Lint/Acre (Average)	2.5-3.0 q/ac in south and central zone under irrigated condition 1.5-2.0 q/ac in south and central zone under rainfed condition
3.	Ginning%	High (35-36)
4.	Fibre Traits	Remarks
	a) Colour	White
	b) Length (2.5% Span Length (mm))	Medium long (25.0 - 27.0 mm)
	c) Strength (8/tex)	Medium (21.0 - 24.0 g/tex)
	d) Fineness (Micronaire Value)	Medium (4.0 - 4.9)
	e) Uniformity (%)	Excellent (>47)
	f) Maturity (%)	Very good (>81)
5.	Plant Height (cm) Average	Tall (121-150)
6.	Reaction against major diseases and pests	Susceptible to jassids and moderate tolerance to thrips
7.	Reaction against major abiotic stresses like drought heat, salinity etc.	Drought tolerant

42. Application No.

E21	GH44	14	827
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 filed on 01.04.2014 by **Solar Agrotech Private Limited. Shyam3-Milpara, B/h Royal Complex, RAJKOT-360002** for **Extant (VCK)** of crop **Tetraploid Cotton** (*Gossypium hirsutum* L.) having denomination **SOLAR 56 BGII** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -
----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

Passport data of the variety : SOLAR 56 BGII
Applicant : Solar Agrotech Private Limited.
Address of the applicant : Shyam, 3-Milpara, B/h Royal Complex, RAJKOT-360002
Nationality of applicant : Indian
Application details
a. Number :

E21	GH44	14	827
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b. Date of receipt : 01.04.2014
c. Date of acceptance : -
Crop (taxonomical lineage) : Tetraploid Cotton (*Gossypium hirsutum* L.)
Denomination : SOLAR 56 BGII
Type of variety : Extant (VCK)
Classification of variety : Transgenic
Previously proposed
Denomination : Not applicable
Name of parental material : 8895 BGII x 515NBt
Source of parental material : Own germplasm
Name of Reference Varieties : SUMAN

Variety Description:

A. Grouping Characteristics	Remarks (measured values.)
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Long
B. Distinct characteristics of candidate variety : SOLAR 56 BGII has distinguishing characters as ovate boll shape (longitudinal section), open boll opening	
C. Distinct characteristics of reference variety: SUMAN has distinguishing characters as round boll shape (longitudinal section), semi-open boll opening	
D. Date of commercialization of the variety	23.04.2010
E. Agronomic and commercial attributes	
S. No	Agronomic attributes
	Details

1.	Time of flowering	45-51 day
2.	Plant height	121-150 cm
3.	Recommended nutrition Inorganic(per/acre) Inorganic (per/ha)	10 ton FYM/acre 120:60:60 NPK kg/ha
4.	Spacing cm requirement to attain potential yield.	90 x 90 cm or 90 x 75 cm rainfed condition while 120 x 60 or 120x75 cm for under irrigated condition
5.	Time of sowing	Kharif
S. No	commercial attributes	Details
1.	Fibre length (2.5% span length) (mm)	29.6 mm
2.	Fibre strength (g/tex)	23.3 (g/tex)
3.	Fibre fineness (mic)	4.3 mic
4.	Fibre uniformity	48%

43. Application No.

F702	OS741	14	1177
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 filed on 20.05.2014 by **Ramen Mahato, Village: Sutraghar Char, Block: Santipur, PO: Santipur, Dist: Nadia-741404** for Farmer variety of crop **Rice** (*Oryza sativa* L.) having denomination **KOTKI** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -
----NA-----, in ---NA--

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

Passport data of the variety : KOTKI
Applicant : Ramen Mahato
Address of the applicant : Village: Sutraghar Char, Block: Santipur, PO: Santipur, Distt: Nadia-741404
Nationality of applicant : Indian
Application details
a. Number :

F702	OS741	14	1177
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b. Date of receipt : 20.05.2014
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : KOTKI

Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed :
 Denomination : Not applicable
 Name of reference varieties : Pooja, IEET 8116

Variety Description:

A. Grouping characteristics		Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Green
Time of heading (50% of plants with panicles) (Characteristic 20)		Early
Stem: Length excluding panicles (Characteristic 29)		Very short
Decorticated grain: Length (Characteristic 54)		Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Medium slender
Decorticated grain: Colour (Characteristic 57)		Dark brown
Endosperm: Content of amylase (Characteristic 59)		High
Decorticated grain: Aroma (Characteristic 62)		Present
B. Distinct characteristics of candidate variety: KOTKI has distinguishing character as lemma anthocyanin colouration of apex weak, erect to semi-erect panicle attitude of branches.		
C. Distinct characteristics of reference varieties: Pooja and IEET 8116 have distinguishing character as lemma anthocyanin colouration of apex absent, spreading panicle attitude of branches.		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to flowering/ Anthesis(Average)	70-90 days
2.	Day to maturity (Early/ Medium/ Late)	120 day
3.	Production condition: suitable area in country	West Bengal (New alluvial Zone)
4.	Time of sowing	July-August
5.	Irrigated/Rain-fed	Rainfed
6.	Low fertility/High fertility	Low fertility of soil
7.	Tolerance and disease and pests	Brown spot and stem borer
8.	Tolerance to adverse temperature / Frost/ Heat/Salinity	Tolerance to adverse weather condition and heat tolerant

S.No.	Commercial attributes	Details
1.	Grain Yield/ac	8.4-9.7 q/ac
2.	Seed weight (100 grain weight in gram)	2.5g
3.	Plant height	122 cm

44. Application No.

F703	OS742	14	1178
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 filed on 20.05.2014 by **Ramen Mahato, S/o Village: Sutraghar Char, Block. Santipur, PO. Santipur, PS: Santipur, Distt. Nadia-741404** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **KELE** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -
----NA-----, in ---NA---

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

Passport data of the variety : KELE
Applicant : Ramen Mahato
Address of the applicant : S/o Village: Sutraghar Char, Block: Santipur, PO: Santipur, PS: Santipur, Dist: Nadia-741404
Nationality of applicant : Indian
Application details

F703	OS742	14	1178
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a. Number:
b. Date of receipt : 20.05.2014
c. Date of acceptance : -
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)
Denomination : KELE
Type of variety : Farmer
Classification of variety : Typical
Previously proposed
Denomination : Not applicable
Name of reference varieties : RP BIO 226, PTB 53, ASD 3

Variety Description:

A. Grouping characteristics	Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)	Early

Stem: Length excluding panicles (Characteristic 29)	Very short	
Decorticated grain: Length (Characteristic 54)	Long	
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender	
Decorticated grain: Colour (Characteristic 57)	Dark brown	
Endosperm: Content of amylase (Characteristic 59)	High	
Decorticated grain: Aroma (Characteristic 62)	Absent	
B. Distinct characteristics of candidate variety: KELE has distinguishing character as light purple basal leaf sheath colour, early time of heading (50% of plants with panicles).		
C. Distinct characteristics of reference varieties: PTB 53 and ASD 3 have distinguishing character as green basal leaf sheath colour, late time of heading (50% of plants with panicles). RP BIO 226 has distinguishing character as green basal leaf sheath colour, very early time of heading (50% of plants with panicles).		
D. Agronomic and commercial attributes		
S. No.	Agronomic attributes	Details
1.	Day to flowering/ Anthesis(Average)	70-90 days
2.	Day to maturity (Early/ Medium/ Late)	120 day
3.	Production condition: suitable area in country	West Bengal (New alluvial Zone)
4.	Time of sowing	July-August
5.	Irrigated/Rain-fed	Rainfed
6.	Low fertility/High fertility	Low fertility of soil
7.	Tolerance and disease and pests	Brown spot and stem borer
8.	Tolerance to adverse temperature/Frost/ Heat/Salinity	Tolerance to adverse weather condition and heat tolerant
S.No.	Commercial attributes	Details
1.	Grain Yield/ac	8.4-9.7 q/ac
2.	Seed weight (100 grain weight in g)	2.7g
3.	Plant height	122 cm
4.	Any other relevant information specific to the variety	No aroma is there

	to attain potential yield	
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45. Application No.

N8	GA8	12	63
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 filed on 16.03.2012 by **M/S Shakti Vardhak Hybrid Seeds Pvt Ltd. Tilak Bazar, Hisar-125001** for New variety of crop **Diploid Cotton** (*Gossypium arboreum* L.) having denomination **SV-317** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----- NA-----, in respect of the said variety has been filed on - ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

Passport data of the variety : SV-317
Applicant : M/S Shakti Vardhak Hybrid Seeds Pvt Ltd.
Address of the applicant : Tilak Bazar, Hisar-125001
Nationality of applicant : Indian
Application details

N8	GA8	12	63
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a. Number:
b. Date of receipt : 16.03.2012
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Diploid Cotton (*Gossypium arboreum* L.)
Denomination : SV-317
Type of variety : New
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : GMS-1 x SV-45
Source of parental material : Own germplasm
Name of reference varieties : Y1, AKA5

Variety Description:

A. Grouping Characteristics	Remarks (measured values)
Leaf : Shape (Characteristics 6)	Digitate (okra)
Flower : Petal colour (Characteristics 10)	Cream
Flower : Pollen colour (Characteristic 14)	Yellow
Boll: Shape (longitudinal section) (Characteristic 17)	Ovate
Fibre : Length (2.5% span length) (Characteristic 27)	Short
B. Distinct characteristics of candidate variety:	
SV-317 has distinguishing character as cream flower petal colour, large boll weight of seed	

cotton/boll (g), short fiber length (2.5% span length) mm		
C. Distinct Characteristics of Reference Varieties:		
Y1 has distinguishing character as white flower petal colour, medium boll weight of seed cotton/boll (g), medium long fiber length(2.5% span length) mm		
AKA5 has distinguishing character as yellow flower petal colour, medium boll weight of seed cotton/ boll (g), medium long fiber length (2.5% span length) mm		
D.Date of commercialization of the variety		
E. Agronomic & Commercial Attributes		
S. No.	Agronomic Attributes	Details
1.	Seed treatment rate (timing/ chemical)	Carbendazim @2g/kg seed
2.	Growth habit (determinate/ indeterminate)	Indeterminate
3.	Days of flowering anthesis	60-65 day
4.	Days to maturity (early/ medium/ late)	170-180 day
5.	Seed rate/acre	2.5-3.0 kg/ha
6.	Recommended production ecology Rainfed/ irrigated/ high/ low/ fertility season	Irrigated condition under high fertility season
7.	Fertilizer doses with timing	80:30:30 N.P.K kg/ha
8.	Reaction major diseases/ pest	Resistant to bacterial leaf blight, fungal foliar leaf spot and tolerant to fusarium wilt diseases. it is tolerant to jassids and bollworm
S. No.	Commercial Attributes	Details
1.	Fibre length	short
2.	Fibre fineness(Micronaire)	coarse
3.	Fibre uniformity	excellent
4.	Fibre colour	white
5.	Yield of lint/acre(Average)	4.4-4.8q/ac
6.	Yield of kapas/acre(Average)	11-12q/ac
7.	Any other relevant information specific to the variety/ hybrid	It has total balance of crop traits that makes a variety more profitable to farmers.

46. Application No.

E66	GH78	09	181
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 filed on 21.04.2009 by **Nuziveedu Seeds Ltd.NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No.12, Banjara Hills, Hyderabad-500034** for Extant (VCK) variety of crop **Tetraploid Cotton**

(*Gossypium hirsutum* L.) having denomination **NC-130** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi-110 012.

Passport data of the variety : NC-130
Applicant : Nuziveedu Seeds Ltd
Address of the applicant : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034
Nationality of applicant : Indian
Application details
a. Number:

E66	GH78	09	181
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b. Date of receipt : 21.04.2009
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum* L)
Denomination : NC-130
Type of variety : Extant (VCK)
Classification of variety : Other (Parental line)
Previously proposed denomination : Not applicable
Name of parental material : LPS141 x (L 389 x NCGP-683)
Source of parental material : Own germplasm
Name of reference varieties : Abadhita

Variety Description:

A. Grouping Characteristics	Remarks (measured values)
Leaf : Shape (Characteristic 8)	Palmate (Normal)
Flower : Petal colour (Characteristic 15)	Cream
Flower :Pollen colour (Characteristic 19)	Cream
Boll: Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Long
B. Distinct characteristics of candidate variety: NC-130 has distinguishing character as bold seed index (100 seed weight in g)	
C. Distinct Characteristics of Reference Varieties: Abadhita has distinguishing character as very bold seed index (100 seed weight in g)	
D. Date of commercialization of the variety	19/05/1999

E.Agronomic & Commercial Attributes																																																		
S.No.	Agronomic Attributes	Remarks																																																
1.	Growth habit (Determinate/Indeterminate)	Semi Spreading (31-60cm) and indeterminate																																																
2.	Days to flowering/Anthesis (Average)	Early (<50days)																																																
3.	Days to Physiological Maturity (Average)	145-155 days																																																
4.	Seed Rate Per Acre	2-3 Kg/ac																																																
5.	Recommended Nutrition/acre schedule to attain potential yield and time of application:	<p>Fertilizer management: Avoid growing cotton after cotton in the same field and follow crop rotation with crops like Maize, Soybean, Sorghum, Paddy and Chilies / Vegetables. Always apply FYM or compost @ 5-10 tons / acre three to four weeks before final harrowing and sowing. Bt. Cotton needs timely balanced NPK application for greater boll retention in a short period and follows fertilizer application either based on soil test recommendation or the fertilizer dosage recommended below.</p> <p>Fertilizer recommendation (Kg/ac)</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">Irrigated</th> <th colspan="3">Rain fed</th> </tr> <tr> <th>N</th> <th>P</th> <th>K</th> <th>N</th> <th>P</th> <th>K</th> </tr> </thead> <tbody> <tr> <td>Basal dose (at sowing)</td> <td>20</td> <td>8</td> <td>8</td> <td>10</td> <td>10</td> <td>25</td> </tr> <tr> <td>1st Top dressing (25 DAS)*</td> <td>10</td> <td>6</td> <td>6</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td>2nd Top dressing (50 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3rd Top dressing (75 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Total Requirement</td> <td>30</td> <td>14</td> <td>14</td> <td>20</td> <td>10</td> <td>25</td> </tr> </tbody> </table>		Irrigated			Rain fed			N	P	K	N	P	K	Basal dose (at sowing)	20	8	8	10	10	25	1 st Top dressing (25 DAS)*	10	6	6	10	-	-	2 nd Top dressing (50 DAS)*	-	-	-	-	-	-	3 rd Top dressing (75 DAS)*	-	-	-	-	-	-	Total Requirement	30	14	14	20	10	25
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	Inorganic (Per Acre)																																																	
6.	Spacing (cm) requirement to attain potential yield Row to Row Plant to Plant	<p>Row to Row and Plant to Plant spacing may be followed based on soil texture, fertility status, irrigation availability, drip irrigation facility, crop rotation etc.</p> <p>Deep Black soils of Gujrat, M. P. and Khandesh region of Maharashtra: 90x60cm or 90 x 45 cm. Black Cotton soils of Vidarbha and Marathwada (Maharashtra) : 90 x 45cm or 90 x 60 cm</p>																																																
7.	Plant protection measures to attain the potential yield	<p>Plant Protection: It is very essential to control sucking pests like Jassids, Aphids, Thrips and Whitefly, like Non-Bt crop as Bollworm resistant trait doesn't provide any resistance for these pests. Protect crop against sucking pests, Aphids and Jassids with Clothianidin 15 to 20 g /ac</p> <p>Disease Management It is advisable to take up 1 or 2 prophylactic spraying after 90-100 days of crop growth with fungicide like Mancozeb, Carbendazim,</p>																																																
8.	Sowing window requirement to attain potential yield (Zone wise)	Second week of June to first week of July.																																																

9.	Number of irrigations required to attain potential yield	Black soil 5-6 irrigations Sandy loam soils with low water retention capacity , 8-10 irrigations may be required at the interval of 15 day
11.	The best growing season to attain the potential yield (zone wise)	Kharif in South zone and Central zone
12.	Name the cropping/Climatic Zone of India in which the variety Hybrid trials were conducted	South and Central zone
13.	Intercultural operations (Including Training, Punning & Nipping)	Weed Management: During critical crop growth upto 60 days, fields should be weed free. Three to four inter cultivations (hoeing) at 15 days interval after 30 days of sowing helps in keeping the plot weed free as well as for retention of soil moisture. Under rain fed condition, hand weeding/ hoeing helps in keeping the plot free from weeds. Pendimethalin 1liter / acre.
S. No.	Commercial Attributes	Remarks
1.	Yield of Kapas /Acre (Average)	6-8 q/Ac in south and central zone under irrigated condition 4-6 q/ac in south and central zone under rainfed condition
2.	Yield of Lint/Acre (Average)	2.5-3.0 q/ac in south and central zone under irrigated condition 1.5-2.0 q/ac in south and central zone under rainfed condition
3.	Ginning%	High (35-36)
4.	Fibre Traits	Remarks
	a) Colour	White
	b) Length (2.5% Span Length (mm))	Medium long (25.0 - 27.0 mm)
	c) Strength (8/tex)	Medium (21.0 - 24.0 g/tex)
	d) Fineness (Micronaire Value)	Medium (4.0 - 4.9)
	e) Uniformity (%)	Excellent (>47)
	f) Maturity (%)	Very good (>81)
5.	Plant Height (cm) Average	Medium tall (91-120)
6.	Reaction against major abiotic stresses like drought heat, salinity <i>etc.</i>	Drought tolerant

47. Application No.

E117

GH130

09

248

filed on 11.05.2009 by **Nuziveedu Seeds**

Ltd. NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No.12,

Banjara Hills, Hyderabad-500034 for **Extant (VCK)** variety of crop **Tetraploid Cotton** (*Gossypium hirsutum* L.) having denomination **NC-1130 Bt** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. ----- NA-----, in respect of the said variety has been filed on -
 ----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

Passport data of the variety : NC-1130 Bt
Applicant : Nuziveedu Seeds Ltd.
Address of the applicant : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor,
 Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-
 500034
 Nationality of applicant : Indian
Application details
 a. Number :

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 b. Date of receipt : 11.05.2009
 c. Date of acceptance : ---
 Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum* L)
 Denomination : NC-1130Bt
 Type of variety : Extant (VCK)
 Classification of variety : Transgenic & Other (Inbred parent line)
 Previously proposed
 Denomination : Not applicable
 Name of parental material : NC – 1130 x NC-71 Bt
 Source of parental material : Own germplasm
 Name of reference varieties : MCU-9

Variety Description:

A. Grouping Characteristics	Remarks (measured values)
Leaf : Shape (Characteristic 8)	Palmate (Normal)
Flower : Petal colour (Characteristic 15)	Cream
Flower :Pollen colour (Characteristic 19)	Cream
Boll: Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Medium long
B. Distinct characteristics of candidate variety: NC-1130 Bt has distinguishing character as medium seed index (100 seed weight in g)	
C. Distinct Characteristics of Reference varieties: MCU-9 has distinguishing character as small seed index (100 seed weight in g)	
D. Date of commercialization of the variety	03/07/2007

E. Agronomic & Commercial Attributes																																																						
S.NO	Agronomic Attributes	Remarks																																																				
1.	Growth habit (Determinate/Indeterminate)	Semi Spreading (31-60cm) and indeterminate																																																				
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)																																																				
3.	Days to Physiological Maturity (Average)	150-165 days																																																				
4.	Seed Rate Per Acre	2-3 Kg/ac																																																				
5.	Recommended Nutrition/acre schedule to attain potential yield and time of application:	Fertilizer management: avoid growing cotton after cotton in the same field and follow crop rotation with crops like Maize, Soybean, Sorghum, Paddy and Chilies / Vegetables. Always apply FYM or compost @ 5-10 tons / acre three to four weeks before final harrowing and sowing. Bt. Cotton needs timely balanced NPK application for greater boll retention in a short period and follows fertilizer application either based on soil test recommendation or the fertilizer dosage recommended below. Fertilizer recommendation (Kg/ac) <table border="1" style="margin-top: 10px;"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">Irrigated</th> <th colspan="3">Rain fed</th> </tr> <tr> <th>N</th> <th>P</th> <th>K</th> <th>N</th> <th>P</th> <th>K</th> </tr> </thead> <tbody> <tr> <td>Basal dose (at sowing)</td> <td>20</td> <td>8</td> <td>8</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>1st Top dressing (25 DAS)*</td> <td>10</td> <td>6</td> <td>6</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td>2nd Top dressing (50 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3rd Top dressing (75 DAS)*</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Total Requirement</td> <td>30</td> <td>14</td> <td>14</td> <td>20</td> <td>10</td> <td>10</td> </tr> </tbody> </table>						Irrigated			Rain fed			N	P	K	N	P	K	Basal dose (at sowing)	20	8	8	10	10	10	1 st Top dressing (25 DAS)*	10	6	6	10	-	-	2 nd Top dressing (50 DAS)*	-	-	-	-	-	-	3 rd Top dressing (75 DAS)*	-	-	-	-	-	-	Total Requirement	30	14	14	20	10	10
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	Organic (Per Acre)																																																					
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6.	Spacing (cm) requirement to attain potential yield Row to Row Plant to Plant	Row to Row and Plant to Plant spacing may be followed based on soil texture, fertility status, irrigation availability, drip irrigation facility, crop rotation etc. Deep Black soils of Gujrat, M. P. and Khandesh region of Maharashtra: 90x60cm or 90 x 45 cm. Black Cotton soils of Vidarbha and Marathwada (Maharashtra) : 90 x 45cm or 90 x 60 cm																																																				
7.	Plant protection measures to attain the potential yield	Plant Protection: It is very essential to control sucking pests like Jassids, Aphids, Thrips and Whitefly, like Non-Bt crop as Bollworm resistant trait doesn't provide any resistance for these pests. Protect crop against sucking pests, Aphids and Jassids with Clothianidin 15 to 20 g /acre Disease Management It is advisable to take up 1 or 2 prophylactic spraying after 90-100 days of crop growth with fungicide like Mancozeb, Carbendazim,																																																				

8.	Sowing window requirement to attain potential yield (Zone wise)	Second week of June to first week of July.
9.	Number of irrigations required to attain potential yield	Black soil 5-6 irrigations Sandy loam soils with low water retention capacity , 8-10 irrigations may be required at the interval of 15 day
10.	The best growing season to attain the potential yield (zone wise)	Kharif in South zone and Central zone
11.	Name the cropping/Climatic Zone of India in which the variety Hybrid trials were conducted	South and Central zone
12.	Intercultural operations (Including Training, Punning & Nipping)	Weed Management: During critical crop growth upto 60 days, fields should be weed free. Three to four inter cultivations (hoeing) at 15 days interval after 30 days of sowing helps in keeping the plot weed free as well as for retention of soil moisture. Under rainfed condition, hand weeding/ hoeing helps in keeping the plot free from weeds. Pendimethalin 1liter /acre.
S. No.	Commercial Attributes	Remarks
1.	Yield of Kapas/acre (Average)	5-7 q/ac in south and central zone under irrigated condition 3-5 q/ac in south and central zone under rainfed condition
2.	Yield of Lint/Acre (Average)	1.6-2.3 q/ac in south and central zone under irrigated condition 1.0-1.0-1.6 q/ac in south and central zone under rainfed condition
3.	Ginning%	High (33-34)
4.	Fibre Traits	Remarks
	a) Colour	White
	b) Length (2.5% Span Length (mm)	Medium long (25.0 - 27.0 mm)
	c) Strength (8/tex)	Medium (21.0 - 24.0 g/ tex)
	d) Fineness (Micronaire Value)	Medium (3.0 - 3.9)
	e) Uniformity (%)	Excellent (>47)
	f) Maturity (%)	Very good (>81)
5.	Plant Height (cm) Average	Tall (91-120)
6.	Reaction against major abiotic stresses like drought heat, salinity <i>etc.</i>	Drought tolerant