



भारत सरकार
GOVERNMENT OF INDIA

भारतीय पौधा किस्म जर्नल
PLANT VARIETY JOURNAL OF INDIA

खण्ड – 13, अंक – 10, अक्टूबर 01, 2019
Vol. - 13, No. – 10, October 01, 2019



पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
एनएएससी काम्प्लेक्स, 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 10
अक्तूबर 01, 2019 / अश्विन-शुक्ल-03, शक् 1941

Plant Variety Journal of India, Vol. 13, No. 10
October 01, 2019 / Ashwin-Shukla-03, Saka 1941



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NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi – 110 012.

‘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, एनएससी काम्प्लैक्स (द्वितीय तल), डीपीएसमार्ग, निकट टोडापुर गांव, नई दिल्ली-110012 की ओर से प्राधिकरण के रजिस्ट्रार द्वारा प्रकाशित किया जा रहा है।

Plant Variety Journal of India is the Official Journal of the Protection of Plant Varieties and Farmers' Rights Authority (PPV & FRA) published by the Registrar on behalf of the Chairperson, PPV & FRA, S-2, A Block, NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi-110012 under the PPV & FR Act, 2001 and Rule 2 (g) of the PPV & FR Rules, 2003.

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105

Guidelines for the conduct of Test for the Distinctiveness, Uniformity and Stability of Cowpea (*Vigna unguiculata* (L.) Walp. ssp. *unguiculata* and *Vigna unguiculata* (L.) Walp. ssp. *sesquipedalis* (L.) Verdc.)

**Total Seed Sent for DUS/GOT in the
month September, 2019 as on 27-09-2019**

Crop	Category			
	New	VCK	FV	Total
Tomato	13	1		14
Chilli	7	8		15
Indian Mustard (Sarso)	2		5	7
Rapeseed (Toria)			4	4
Total	22	9	9	40

PUBLIC NOTICE

(13 of 2019)

Sub:- Furnishing of details and purpose of payment in case of online payments.

In respect of online transfer of funds, after sending online fund transfer the concerned applicant has to inform the concerned Registrar about the details of variety, REG Number and purpose of payment whether it is Registration fee, DUS fee, Annual Fee or Renewal fee so as to make entry in the record via email. If the details are not received the remittance will not be accounted for.

**(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.

F603	OS659	5	1627
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 filed on 17.08.2015 by **Punjan Barman C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, District Alipurduar, Cooch Behar -736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **BIROI** 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 : BIROI
Applicant : Punjan Barman
Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata, P.O. Salsalabari, District Alipurduar, Cooch Behar -736208
Nationality of applicant : Indian
Application details
a. Number :

F603	OS659	15	1627
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b. Date of receipt : 17.08.2015
c. Date of acceptance : -
Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : BIROI
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : Hemavathi, Pooja

Variety Description:

A. Grouping Characteristic	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Late
Stem: Length excluding panicles (Characteristic 29)	Very short
Decorticated grain:Length (Characteristic 54)	Short

Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender	
Decorticated grain: Colour (Characteristic 57)	White	
Endosperm: Content of amylose(Characteristic 59)	Low	
Decorticated grain: Aroma (Characteristic 62)	Present	
B. Distinct Characteristic of candidate variety: BIROI has distinguishing character semi-erect flag leaf attitude of blade (late observation), low amylose content in endosperm		
C. Distinct Characteristic of reference varieties: Hemavathi has distinguishing character as erect flag leaf attitude of blade (late observation), very high amylose content in endosperm Pooja has distinguishing character as erect flag leaf attitude of blade (late observation), medium amylose content in endosperm		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	155 to 160 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low /High fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.85t/ha
2.	Seed weight (1000 grain weight in gram)	21.40g

2. Application No.

F604	OS660	15	1628
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 filed on 17.08.2015 by **Ramkrishana Barman Village: Petlanepra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi, District Cooch Behar -736172** for **Farmer** variety of crop **Rice (*Oryza sativa*L.)** having denomination **BITTI** 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 : BITTI
Applicant : Ramkrishana Barman
Address of the applicant : Village: Petlaneptra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi, District Cooch Behar-736172

Application details

a. Number :

F604	OS660	15	1628
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b. Date of receipt : 17.08.2015
c. Date of acceptance : -
Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : BITTI
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : Vivekdhan 62, IEET 8116, VL DHAN 221

Variety Description:

A. GroupingCharacteristic	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length excluding panicles (Characteristic 29)	Short
Decorticated grain: Length (Characteristic 54)	Short
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Short bold
Decorticated grain: Colour (Characteristic 57)	Dark brown
Endosperm: Content of amylose(Characteristic 59)	Medium
Decorticated grain: Aroma (Characteristic 62)	Absent
B. Distinct Characteristic of candidate variety: BITTI has distinguishing character medium spikelet density of pubescence of lemma , semi-erect to spreading panicle attitude of branches, dark brown decorated grain colour	

C. Distinct Characteristic of reference varieties:		
Vivekdhan 62 has distinguishing character weak spikelet density of pubescence of lemma, spreading panicle attitude of branches, white decorated grain colour		
IEET 8116 has distinguishing character weak spikelet density of pubescence of lemma, semi-erect panicle attitude of branches, light brown decorated grain colour		
VL DHAN 221 has distinguishing character spikelet density of pubescence of lemma absent; semi-erect panicle attitude of branches, white decorated grain colour		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	120 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	May -June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low fertility
6.	Resistance/tolerant to pests	It is resistant to major diseases prevailing this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.78t/ha
2.	Seed weight (1000 grain weight in gram)	14.60g

3. Application No.

F607	OS663	15	1631
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 filed on 17.08.2015 by **Bhuben Barman C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, Alipurduar District-736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **BOCHI** 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 : BOCHI
Applicant : Bhuben Barman

Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata,
P.O. Salsalabari Alipurduar District-736208

Nationality of applicant : Indian

Application details

a. Number :

F607	OS663	15	1631
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b. Date of receipt : 17.08.2015

c. Date of acceptance : -

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : BOCHI

Type of variety : Farmer

Classification of variety : Typical

Previously proposed denomination : Not applicable

Name of reference varieties : Hemavathi, NLR 30491

Variety Description:

A. Grouping Characteristic		Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Green
Time of heading (50% of plants with panicles) (Characteristic 20)		Late
Stem: Length excluding panicles (Characteristic 29)		Short
Decorticated grain: Length (Characteristic 54)		Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Long bold
Decorticated grain: Colour (Characteristic 57)		White
Endosperm: Content of amylose (Characteristic 59)		Low
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: BOCHI has distinguishing character time of heading (50% of plants with panicles) is late		
C. Distinct Characteristic of reference varieties: Hemavathi and NLR 30491 have distinguishing character medium time of heading (50% of plants with panicles)		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	160 to 165 days
2.	Suitable area in the country	West Bengal

3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	High fertility
6.	Resistance/tolerant to pests	Moderately resistant to blast, sheath rot important insect pest is not prevailing in this region,
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.93t/ha
2.	Seed weight (1000 grain weight in gram)	22.20g

4. Application No.

F612	OS668	15	1636
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 filed on 18.08.2015 by **Ramkrishana Barman Village: Petlanepra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi District- Cooch Behar 736172** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **DHUSURI BARATEE** 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 : DHUSURI BARATEE
Applicant : Ramkrishana Barman
Address of the applicant : Village: Petlanepra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi District - Cooch Behar 736172
Nationality of applicant : Indian
Application details
a. Number :

F612	OS668	15	1636
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b. Date of receipt : 18.08.2015
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : DHUSURI BARATEE
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable

Name of reference varieties : Hemavathi, IEET 8116

Variety Description:

A. Grouping Characteristic		Remark (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)		Long bold
Decorticated grain: Colour (Characteristic 57)		Dark brown
Endosperm: Content of amylose(Characteristic 59)		Low
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: DHUSURI BARATEE has distinguishing character dark brown decorticated grain colour,		
C. Distinct Characteristic of reference varieties: Hemavathi and IEET 8116 have distinguishing character white decorticated grain colour		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	135 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	March-April
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.68t/ha
2.	Seed weight (1000 grain weight in gram)	15.30g

5. Application No.

F615	OS671	15	1639
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 filed on 18.08.2015 by **Punjan Barman** C/o **Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, District Alipurduar, Cooch Behar -736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **DUDHKALAM-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 : DUDHKALAM-1
Applicant : Punjan Barman
Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata, P.O. Salsalabari, District Alipurduar, Cooch Behar -736208
Nationality of applicant : Indian
Application details
a. Number :

F615	OS671	15	1639
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b. Date of receipt : 18.08.2015
c. Date of acceptance : -
Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : DUDHKALAM-1
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : Pooja, Vivekdhan 62

Variety Description:

A. GroupingCharacteristic	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Late
Stem: Length excluding panicles (Characteristic 29)	Short
Decorticated grain: Length (Characteristic 54)	Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylase (Characteristic 59)	Medium

Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: DUDHKALAM-1 has distinguishing character semi-erect flag leaf attitude of blade (early observation)		
C. Distinct Characteristic of reference varieties: Pooja and Vivekdhan 62 have distinguishing character erect flag leaf attitude of blade (early observation)		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	155 to 160 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	High fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	2.21 t/ha
2.	Seed weight (1000 grain weight in gram)	24.50g

6. Application No.

F617	OS673	15	1641
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 filed on 18.08.2015 by **Ashamanjon Barman C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, District Alipurduar, Cooch Behar-736208** for **Farmer** variety of crop **Rice** (*Oryza sativa* L.) having denomination **HARINKAJLI** 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 : HARINKAJLI
Applicant : Ashamanjon Barman

Address of the applicant : C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, Alipurduar District, Cooch Behar-736208

Nationality of applicant : Indian

Application details

a. Number :

F617	OS673	15	1641
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b. Date of receipt : 18.08.2015

c. Date of acceptance :

Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : HARINKAJLI

Type of variety : Farmer

Classification of variety : Typical

Previously proposed denomination : Not applicable

Name of reference varieties : Suraksha, Mandya Vijya, CO 47, ASD 3

Variety Description:

A. Grouping Characteristic		Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)		Medium
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 amylose (Characteristic 59)		High
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: HARINKAJLI has distinguishing character light purple basal leaf sheath colour, early time of heading (50% of plants with panicles)		
C. Distinct Characteristic of reference varieties: Suraksha and CO 47 have distinguishing character as green basal leaf sheath colour, medium time of heading (50% of plants with panicles) Mandya Vijya and ASD 3 have distinguishing character as green basal leaf sheath colour, late time of heading (50% of plants with panicles)		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	135 days

2.	Suitable area in the country	West Bengal
3.	Time of sowing	May - June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low /High fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.87t/ha
2.	Seed weight (1000 grain weight in gram)	19.50g

7. Application No.

F623	OS679	15	1648
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 filed on 19.08.2015 by **Jotin Chandra Mandal Village: Dalua Dasgir, P.O.: Talliguri, District Cooch Behar -736156** for Farmer variety of crop **Rice (*Oryza sativa* L.)** having denomination **JALDHYAPA-3** 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 : JAL DHYAPA-3
Applicant : Jotin Chandra Mandal
Address of the applicant : Village: Dalua Dasgir, P.O.: Talliguri, District Cooch Behar -736156
Nationality of applicant : Indian
Application details
a. Number :

F623	OS679	15	1648
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b. Date of receipt : 19.08.2015
c. Date of acceptance :
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : JAL DHYAPA-3
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable

Name of reference varieties : BPT 5204, CO 47, ASD 3

Variety Description:

A. Grouping Characteristic		Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)		Late
Stem: Length excluding panicles (Characteristic 29)		Short
Decorticated grain: Length (Characteristic 54)		Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Medium slender
Decorticated grain: Colour (Characteristic 57)		White
Endosperm: Content of amylose(Characteristic 59)		Medium
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: JAL DHYAPA-3 has distinguishing character light purple basal leaf sheath colour, Stem anthocyanin colouration of nodes present		
C. Distinct Characteristic of reference varieties: BPT 5204, CO 47 and ASD 3 have distinguishing character basal green leaf sheath colour, stem anthocyanin colouration of nodes absent		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	165 to 170 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	High fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	3.77 t/ha
2.	Seed weight (1000 grain weight in gram)	54.70g

8. Application No.

F631	OS687	15	1656
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 filed on 17.08.2015 by **Ramkrishana Barman Village: Petlanepra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi, District Cooch Behar -736172** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **KALO DHYAPA** 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 : KALO DHYAPA
Applicant : Ramkrishana Barman
Address of the applicant : Village: Petlanepra (Paglarhat), P.O. Dewankotjayduar, Sitalkuchi, District Cooch Behar-736172
Nationality of applicant : Indian
Application details
a. Number :

F631	OS687	15	1656
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b. Date of receipt :17.08.2015
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : KALO DHYAPA
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : IET 8116, Pooja

Variety Description:

A. Grouping characteristics	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length excluding panicles (Characteristic 29)	Short
Decorticated grain: Length (Characteristic 54)	Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylose (Characteristic 59)	Medium

Decorticated grain: Aroma (Characteristic 62)		Present
B. Distinct Characteristic of candidate variety: KALO DHYAPA has distinguishing character as light purple basal leaf sheath colour, light purple leaf anthocyanin colouration of auricles, strong lemma anthocyanin colouration of apex, panicle awns present		
C. Distinct Characteristic of reference varieties: IET 8116 and Puja have distinguishing character as green basal leaf sheath colour, Leaf anthocyanin colouration of auricles colourless, lemma anthocyanin colouration of apex absent, panicle awns absent		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	155 to 160 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low /High fertility
6.	Resistance/tolerant to pests	It is almost resistant to major diseases prevailing in this area.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.84t/ha
2.	Seed weight (1000 grain weight in gram)	23.40g

9. Application No.

F636	OS692	15	1672
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 filed on 27.08.2015 by **Harendra Nandi C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, Alipurduardistrict-736208** for Farmer variety of crop **Rice (*Oryza sativa* L.)** having denomination **KAUKA** 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 : KAUKA
Applicant : Harendra Nandi
Address of the applicant : C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, Alipurduardistrict-736208
 Nationality of applicant : Indian
Application details
 a. Number :

F636	OS692	15	1672
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 b. Date of receipt : 27.08.2015
 c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : KAUKA
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : BPT 5204, Sudha, PR 106

Variety Description:

A. Grouping characteristics		Remark (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)		Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Medium slender
Decorticated grain: Colour (Characteristic 57)		Dark brown
Endosperm: Content of amylose (Characteristic 59)		Medium
Decorticated grain: Aroma (Characteristic 62)		Present
B. Distinct Characteristic of candidate variety: KAUKA has distinguishing character panicle awns Present		
C. Distinct Characteristic of reference varieties: BPT 5204, Sudha and PR 106 have distinguishing character panicle awns is absent		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	160 to 165 days
2.	Suitable area in the country	West Bengal

3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low /High fertility
6.	Resistance/tolerant to pests	It is also tolerant to major insect pest diseases prevailing northern part of west Bengal.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.76t/ha
2.	Seed weight (1000 grain weight in gram)	28.40g

10. Application no.

E4	CL4	11	66
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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 **Turmeric (*Curcuma longa* L.)** having denomination **IISR ALLEPPEY SUPREME** 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 ALLEPPEY SUPREME
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details

E4	CL4	11	66
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a. Number :
b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (Taxonomical lineage) : Turmeric (*Curcuma longa* L.)
Denomination : IISR ALLEPPEY SUPREME
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Germplasm accession no. 585
Source of parental material : Own germplasm

Name of reference varieties : Sughantham

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant : Height (Characteristic 2)		Tall
Leaf : Lamina length (Characteristic 7)		Long
Leaf : Lamina width (Characteristic 8)		Broad
Coma bract : Colour (Characteristic 14)		White
Rhizome: Habit (Characteristic 16)		Intermediate
Rhizome: Shape (Characteristic 17)		Curved
Rhizome: Number of mother rhizomes (Characteristic 19)		Two-three
Duration (Number of days) (Characteristic 23)		Medium
Dry recovery (%) (Characteristic 24)		Intermediate
B. Distinct characteristics of candidate variety : IISR ALLEPPEY SUPREME has distinguishing character as many number of plant shoots.		
C. Distinct characteristics of reference variety: Sughantham has distinguishing character as medium number of plant shoots.		
D. Date of commercialization of the variety		24-03-2004
E. Agronomic and commercial attributes		
S. no.	Agronomic & commercial attributes	Details
1.	Maturity duration (no. of days) (Short, Medium, Long)	220 days, long
2.	Production condition: Suitability area in the country :Time of sowing :Irrigated/Rainfed :Low fertility/High fertility	Kerala, Karnataka, Maharashtra and North Bengal. Rainfed condition in Kerala, Irrigated condition in Maharashtra, Karnataka & North Bengal
3.	Tolerance to adverse temperature/frost and heat (Sensitive/Tolerant)	-
4.	Tolerance to water stagnation: (Sensitive/Tolerant)	-
5.	Resistance/ Tolerance to pests / Disease	Leaf blotch (DPI=O).
6.	Yield potential (Average) (q/ac)	22.32 q/ac (dry)
7.	Nutritive value (i) Curcumin (%) (ii) Oleoresin (%)	5.55 % 16.00 %
8.	Dry recovery (%)	19.0 %
9.	Any other relevant information specific	Stable performance over years as

	to the variety	compared to Prabha & Pratibha varieties. Consistency in curcumin content over locations. Tolerant to leaf blotch disease (DPI=O)
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11. Application No.

F637	OS693	15	1673
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 filed on 27.08.2015 by **Punjan Barman Secretary, Tarai Research Society, Village: Kayakhata, P.O. Salsalabari, District Alipurduar, Cooch Behar -736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **KHAIYAM DHAN** 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 : KHAIYAM DHAN
Applicant : Punjan Barman
Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata, P.O.Salsalabari Alipurduar District-736208
Nationality of applicant : Indian
Application details
a. Number :

F637	OS693	15	1673
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b. Date of receipt : 27.08.2015
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : KHAIYAM DHAN
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : Krishna Hamsa, PR 106, HIMALAYA 741

Variety Description:

A. Grouping characteristics	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length excluding panicles (Characteristic 29)	Short
Decorticated grain:Length (Characteristic 54)	Short

Decorticated grain: Shape (in lateral view) (Characteristic 56)	Long slender	
Decorticated grain: Colour (Characteristic 57)	White	
Endosperm: Content of amylose (Characteristic 59)	Medium	
Decorticated grain: Aroma (Characteristic 62)	Present	
B. Distinct Characteristic of candidate variety: KHAIYAM DHAN has distinguishing character as light purple basal leaf sheath colour		
C. Distinct Characteristic of reference varieties: Krishna Hamsa and HIMALAYA 741 have distinguishing character as green basal leaf sheath colour PR 106 has distinguishing character as green basal leaf sheath colour		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	155 to 160 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low/High fertility
6.	Resistance/ tolerant to pest	Moderately resistant to blast, sheath rot important insect pest is not prevailing in this region.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	2.24t/ha
2.	Seed weight (1000 grain weight in gram)	26.50g

12. Application No.

F638	OS694	15	1674
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 filed on 27.08.2015 by **Harendra Nandi C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, District Alipurduar -736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **KHAMA** 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 : KHAMA
Applicant : Harendra Nandi
Address of the applicant : C/o Tarai Research Society, Village: Kayakhata, P.O: Salsalabari, District Alipurduar -736208
 Nationality of applicant : Indian
Application details
 a. Number :

F638	OS694	15	1674
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 b. Date of receipt : 27.08.2015
 c. Date of acceptance : -
 Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
 Denomination : KHAMA
 Type of variety : Farmer
 Classification of variety : Typical
 Previously proposed denomination : Not applicable
 Name of reference varieties : BPT 5204, Hemavathi, MTU 1010

Variety Description:

A. Grouping characteristics		Remark (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)		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 amylose(Characteristic 59)		High
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: KHAMA has distinguishing character as semi-erect flag leaf attitude of blade (early observation)		
C. Distinct Characteristic of reference varieties: BPT 5204, Hemavathi and MTU 1010 has distinguishing character as flag leaf attitude of blade is Erect		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	160 to 165 days

2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	High fertility
6.	Resistance/ Tolerant to pests	It is tolerant to major insect pests diseases prevailing northern part of West Bengal.
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.56 t/ha
2.	Seed weight (1000 grain weight in gram)	22.60g

13. Application No.

F645	OS701	15	1681
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 filed on 27.08.2015 by **Punjan Barman Secretary, Tarai Research Society, Village: Kayakhata, P.O. Salsalabari, District- Alipurduar, Cooch Behar-736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **MANGAMUTHI** 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 : MANGAMUTHI
Applicant : Punjan Barman
Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata, P.O.Salsalabari, District Alipurduar, Cooch Behar -736208
Nationality of applicant : Indian
Application details
a. Number

F645	OS701	15	1681
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b. Date of receipt : 27.08.2015
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : MANGAMUTHI
Type of variety : Farmer
Classification of variety : Typical
Previously proposed

denomination : Not applicable
 Name of reference varieties : RCM 5, Sudha, PR 106

Variety Description:

A. Grouping characteristics		Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)		Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)		Late
Stem: Length excluding panicles (Characteristic 29)		Medium
Decorticated grain:Length (Characteristic 54)		Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)		Long bold
Decorticated grain: Colour (Characteristic 57)		Dark brown
Endosperm: Content of amylose (Characteristic 59)		Medium
Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: MANGAMUTHI has distinguishing character as late time of heading (50% of plants with panicles)		
C. Distinct Characteristic of reference varieties: RCM 5, Sudha and PR 106 have distinguishing character as medium time of heading (50% of plants with panicles)		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	166 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	High fertility
S.No.	Commercial attributes	Details
1.	Seed yield/ha	2.28t/ha
2.	Seed weight (1000 grain weight in gram)	32.70g

14. Application No.

F648	OS704	151	1684
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 filed on 27.08.2015 by **Punjan Barman Secretary, Tarai Research Society, Village: Kayakhata, P.O. Salsalabari, District Alipurduar, Cooch Behar- 736208** for **Farmer** variety of crop **Rice (*Oryza sativa* L.)** having denomination **PAHARIBOCHI SELECTION-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 – 110012.

Passport data of the variety : PAHARIBOCHI SELECTION-1
Applicant : Punjan Barman
Address of the applicant : Secretary, Tarai Research Society, Village: Kayakhata, P.O.Salsalabari Alipurduar District, Cooch Behar -736208
Nationality of applicant : Indian
Application details
a. Number :

F648	OS704	15	1684
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b. Date of receipt : 27.08.2015
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : PAHARIBOCHI SELECTION-1
Type of variety : Farmer
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of reference varieties : BPT 5204, HIMALAYA 2, SUDHA

Variety Description:

A. Grouping characteristics	Remark (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Light purple
Time of heading (50% of plants with panicles) (Characteristic 20)	Late
Stem: Length excluding panicles (Characteristic 29)	Medium
Decorticated grain: Length (Characteristic 54)	Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Long bold
Decorticated grain: Colour (Characteristic 57)	Dark brown
Endosperm: Content of amylose (Characteristic 59)	Medium

Decorticated grain: Aroma (Characteristic 62)		Absent
B. Distinct Characteristic of candidate variety: PAHARIBOCHI SELECTION-1 has distinguishing character as medium stem length excluding panicle (excluding floating rice), yellowish spikelet colour of tip of lemma, medium slender decorticated grain shape, white decorticated grain colour		
C. Distinct Characteristic of reference varieties: BPT 5204 has distinguishing character as very short stem length excluding panicle (excluding floating rice), light brown decorticated grain colour. HIMALAYA2 has distinguishing character as very short stem length excluding panicle (excluding floating rice), white spikelet colour of tip of lemma SUDHA has distinguishing character as white spikelet colour of tip of lemma, long bold decorticated grain shape, variegated purple decorticated grain colour		
D. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Day to maturity	140 to 145 days
2.	Suitable area in the country	West Bengal
3.	Time of sowing	June
4.	Irrigated/Rain-fed	Rain-fed
5.	Low fertility/High fertility	Low /High fertility
6.	Resistance/tolerant to pests	Moderately resistant to blast sheath rot important insect pests is not prevailing in this region
S.No.	Commercial attributes	Details
1.	Seed yield/ha	1.86t/ha
2.	Seed weight (1000 grain weight in gram)	23.40g

15. Application No.

N1	JO1	15	676
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 filed on 15.04.2015 by for **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. and Panchayat), Medchal Mandal, Rangareddy- Dist-501401** for New variety of crop **Jute** (*Corchorus olitorius* L.) having denomination **NJ-7010** 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 : NJ-7010
Applicant : Nuziveedu Seeds Ltd.
Address of the applicant : Survey No. 69, Gundlapochampally (Vill.and Panchayat), Medchal-Mandal, Rangareddy- Dist-501401
Nationality : Indian
Application details
a. Number :

N1	JO1	15	676
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b. Date of receipt : 15.04.2015
c. Date of acceptance :
Crop (Taxonomical Lineage) : Jute (*Corchorus olitorius* L.)
Denomination : NJ-7010
Type of variety : New
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : JRO 524 (Navin)
Source of parental material : Own germplasm
Name of reference varieties : JRO 204, JRO 8432

Variety Description:

A. Grouping characteristics	Remark (measured values)
Seedling: Premature flowering resistance (<i>C. olitorius</i> varieties only) (Characteristic 1)	Present
Stem: Colour (Characteristic 6)	Green
Time of Flowering : 50% of the plants with at least one open flower (Characteristic 12)	Late
B. Distinct Characteristic of candidate variety: NJ-7010 has distinguishing character as chocolate brown seed colour	
C. Distinct Characteristic of reference variety: JRO 204 has distinguishing character as black seed colour JRO 8432 has distinguishing character as black seed colour	
D. Date of commercialization of the variety	-
E. Agronomic and commercial attributes	

S.No	Attributes	Details
1.	Days to flowering/Anthesis (Average)	160-165 days (when sown in 1 st week of April for fibre crop) 55-60 days (when sown in 1 st week of August for Seed crop)
	Days to physiological maturity (early/ medium/ late)	120-125 days (when sown in 1 st week of April for fibre crop) 125-130 days (when sown in 1 st week of August for Seed crop)
2.	Recommended soil type	Sandy loam to clayey loam
3.	Stage of harvesting	120-125 days (when sown in 1 st week of April for fibre crop) 125-130 days (when sown in 1 st week of August for Seed crop)
4.	Sowing time	Pre - kharif season (as fibre crop: 2 nd week of march to 3 rd week of July) Post - rabi season (as seed crop: 1 st week of august to 2 nd of December)
5.	Reaction to major disease / pest	Moderately resistant to stem root
6.	Fibre strength	24.2 g/tex
7.	Fibre fineness	3.0 tex (fine)
8.	Fibre colour	White colour, brightness is good
9.	Yield of Average	36-38 q/ha (fibre) 6.5-7.5 q/ha (seed) when produced at Guntur, AP

16. Application No.

E54	GH153	10	520
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 filed on 30.12.2010 by **Pravardhan Seed Pvt. Ltd, Ground Floor,8-2-277/45, UBI Colony, Road No. 3, Banjara Hills, Hyderabad-500034** for **Extant (VCK)** variety of crop **Tetraploid Cotton (*Gossypium hirsutum* L.)** having denomination **PSCP-01** 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 : PSCP-01
Applicant : Pravardhan Seeds Pvt. Ltd
Address of the applicant : Ground Floor, 8-2-277/45,UBI Colony, Road No. 3, Banjara Hills, Hyderabad-500034
Nationality of applicant : Indian
Application details
a. Number :

E54	GH153	10	520
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b. Date of receipt : 30.12.2010
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum L.*)
Denomination : PSCP-01
Type of variety : Extent (VCK)
Classification of variety : Other (parental line)
Previously proposed denomination : Not applicable
Name of parental material : (BN1x PRGP) -89-46-113-1
Source of parental material : Own germplasm.
Name of reference varieties : MCU-12, MCU-5 VT

Variety Description:

A. Group Characteristic		Remark (measured values)
Leaf : Shape (Characteristic 8)		Palmate (Normal)
Flower : Petal colour (Characteristic 15)		Cream
Flower : Pollen colour (Characteristic 19)		Yellow
Boll : Shape (Characteristic 23)		Round
Fiber : Length(Characteristic 33)		Medium long
B. Distinct Characteristic of candidate variety: PSCP-01 has distinguishing character as open boll opening; high ginning %		
C. Distinct Characteristic of reference varieties: MCU-12 has distinguishing character as semi-open boll opening; very low ginning % MCU-5 VT has distinguishing character as very low ginning %		
D. Date of commercialization of the variety		24-08-2001
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details

1.	Growth habit (Determinate/Indeterminate)	Semi-spreading (31-60 cm)
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)
3.	Days to physiological maturity (Average)	150-165days
4.	Seed rate per acre	2-3 kg/ac
5.	Organic (per acre)	5-10 tons
6.	Inorganic (per/ha)	Basal dose (at sowing) Irrigated, 75:35:35 NPK Rainfed, 50:25:25 NPK
7.	Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of row to row 90 x 60 cm plant to plant 75 x 30 cm
8.	Soil requirements to attain the potential yield	Medium to deep well drained soils.
9.	Sowing window requirement to attain potential yield (zone wise)	Second week of June to first week of July
10.	Number of irrigations required to attain potential yield	8-10 irrigation
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 varietal/hybrid trials were conducted	South and central zone
S.No.	Commercial attributes	Details
1.	Yield of cotton /acre	6-8 q/ac in south and central zone under irrigated condition 4-6 q/ac in south and central zone under rainfed zone condition
2.	Yield of lint/acre	2.3-3.0 q/ac in south and central zone under irrigated condition 1.5-2.3 q/ac in south and central zone under rainfed zone condition
3.	Fiber colour	White
4.	Ginning (%)	Very high (>37)

5.	Fiber length	Medium long (27.5-32.0 mm)
6.	Fiber strength	Medium(21.0-24.0 g/tex)
7.	Fineness (micronaire value)	Medium (4.0-4.9)
8.	Fibre uniformity (%)	Excellent (>47)
9.	Fibre maturity (%)	Very good (>81)
10.	Reaction against major diseases and pests	Tolerance to jassids and thrips
11.	Plant height (cm)	Medium tall (90-120)

17. Application No.

E59	GH158	10	525
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 filed on 30.12.2010 by **Prabhat Agri Biotech Ltd., 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for Extant variety (VCK) of crop **Tetraploid Cotton (*Gossypium hirsutum* L.)** having denomination **PC-P102** 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 : PC-P102
Applicant : PrabhatAgri Biotech Ltd.
Address of the applicant : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082
Nationality of applicant : Indian
Application details
a. Number :

E59	GH158	10	525
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b. Date of receipt : 30.12.2010
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum* L.)
Denomination : PC-P102
Type of variety : Extant (VCK)
Classification of variety : Other (parental line)
Previously proposed

denomination : Not applicable
 Name of parental material : (PC-99 x L389) -9-6-5-4-1
 Source of parental material : Own germplasm
 Name of reference varieties : Sahana, Supriya

Variety Description:

A. Group Characteristic		Remark (measured values)
Leaf : Shape (Characteristic 8)		Palmate
Flower : Petal colour (Characteristic 15)		Cream
Flower : Pollen colour (Characteristic 19)		Cream
Boll : Shape (Characteristic 23)		Round
Fiber : Length(Characteristic 33)		Extra long
B. Distinct Characteristic of candidate variety: PC-P102 has distinguishing character as medium tall plant height, boll prominence of tip blunt, high ginning %		
C. Distinct Characteristic of reference varieties: Sahana has distinguishing character as semi dwarf plant height, boll prominence of tip pointed, very high ginning %. Supriya has distinguishing character as semi dwarf plant height, very high ginning %		
D. Date of commercialization of the variety		23-06-2007
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Growth habit (Determinate/Indeterminate)	Semi-spreading (31-60 cm)
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)
3.	Days to physiological maturity (Average)	150-165days
4.	Seed rate per acre	2-3 kg/ac
5.	Organic (per acre)	5-10 tons
6.	Inorganic (per/ha)	Basal dose (at sowing) Irrigated, 75:35:35 NPK Rainfed, 50:25:25 NPK
7.	Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of row to row 90 x 60 cm plant to plant 75 x 30 cm

8.	Soil requirements to attain the potential yield	Medium to deep well drained soils.
9.	Sowing window requirement to attain potential yield (zone wise)	2 nd week of june to 1 st week of july
10.	Number of irrigations required attain	8-10 irrigation
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 varietal/hybrid trials were conducted	South and central zone
13.	Intercultural operations (including training, pruning & nipping)	During critical crop growth up to 60 days
S.No.	Commercial attributes	Details
1.	Yield of cotton /acre	6-8 q/ac in south and central zone under irrigated condition 4-6q/ac in south and central zone under rainfed zone condition
2.	Yield of lint/acre	2.0-2.7 q/ac in south and central zone under irrigated condition 1.3-2.0 q/ac in south and central zone under rainfed zone condition
3.	Fiber colour	White
4.	Ginning (%)	Very high (>37)
5.	Fiber length	Extra-long (>32.5 mm)
6.	Fiber strength	Strong (25.0-28.0 g/tex)
7.	Fineness (micronaire value)	very fine (<3.0)
8.	Fibre uniformity (%)	Good(46-47)
9.	Fibre maturity (%)	Good (66-80)
10.	Reaction against major diseases and pests	Tolerance to thrips and gray mildew disease
11.	Plant height (cm)	Tall (121-150)

18. Application No.

E59	GH8	14	451
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 filed on 26.02.2014 by **Prabhat Agri Biotech Ltd., 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for **Extant variety (VCK)** of crop **Tetraploid Cotton (*Gossypium hirsutum* L.)** having denomination **PC-P061Bt** 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 : PC-P061Bt
Applicant : Prabhat Agri Biotech Ltd.
Address of the applicant : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082
Nationality of applicant : Indian
Application details
a. Number :

E5	GH8	14	451
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b. Date of receipt : 26.02.2014
c. Date of acceptance : -
Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum* L.)
Denomination : PC-P061Bt
Type of variety : Extant (VCK)
Classification of variety : Other (parental line)
Previously proposed denomination : Not applicable
Name of parental material : PC - P061 x event Mon 531(Bt donor line)
Source of parental material : Own germplasm
Name of reference varieties : LH-900

Variety Description:

A.Group Characteristic	Remark (measured values)
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round

Fiber : Length(Characteristic 33)	Medium long	
B. Distinct Characteristic of candidate variety: PC-P061Bt has distinguishing character as light green leaf colour, parse plant stem hairiness , round boll shape		
C. Distinct Characteristic of reference varieties: LH-900 has distinguishing character as green leaf colour; medium plant stem hairiness, ovate boll shape		
D. Date of commercialization of the variety	NA	
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Growth habit (Determinate/Indeterminate)	Semi-spreading (31-60 cm)
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)
3.	Days to physiological maturity (Average)	150-165days
4.	Seed rate per acre	2-3 kg/ac
5.	Organic (per acre)	5-10 tons
6.	Inorganic (per/ha)	Basal dose (at sowing) Irrigated, 75:35:35 kg NPK Rainfed, 50:25:25 kg NPK
7.	Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of row to row 90 x 60 cm plant to plant 75 x 30 cm
8.	Soil requirements to attain the potential yield	Medium to deep well drained soils.
9.	Sowing window requirement to attain potential yield (zone wise)	Second week of june to first week of july
10.	Number of irrigations required to attain potential yield	8-10 irrigation
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 varietal/hybrid trials were conducted	South and central zone
13.	Intercultural operations (including training, pruning & nipping)	During critical crop growth up to 60 days.
SNo.	Commercial attributes	Details

1.	Yield of cotton /acre	7-9 q/acre in south and central zone under irrigated condition 5-7q/acre in south and central zone under rainfed zonecondition
2.	Yield of lint/acre	2.6-3.4 q/acre in south and central zone under irrigated condition 1.8-2.6 q/acre in south and central zone under rainfed zone condition
3.	Ginning (%)	Very high (>37)
4.	Fiber colour	White
5.	Fiber length	Medium long (25.0-27.0 mm)
6.	Fiber strength	Strong (25.0-28.0 g/tex)
7.	Fineness (micronaire value)	Medium (4.0-4.9)
8.	Fibre uniformity (%)	Excellent (>47)
9.	Fibre maturity (%)	Very good (<81)
10.	Plant height (cm)	Tall (121-150)
11.	Reaction against major diseases and pests	Good tolerance to whitefly and cotton leaf curl virus disease

19. Application No.

E89	GH11	14	454
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 filed on 26.02.2014 by **Prabhat Agri Biotech Ltd., 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for **Extant variety (VCK)** of crop **Tetraploid Cotton (*Gossypium hirsutum* L.)** having denomination **PC-P 621** 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 : PC-P 621
Applicant : PrabhatAgri Biotech Ltd.

Address of the applicant : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

Application details

a. Number	:	E8	GH11	14	454
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b. Date of receipt : 26.02.2014

c. Date of acceptance : -

Crop (Taxonomical Lineage) : Tetraploid Cotton (*Gossypium hirsutum L.*)

Denomination : PC-P 621

Type of variety : Extant (VCK)

Classification of variety : Other (parental line)

Previously proposed denomination : Not applicable

Name of parental material : NDL 1325 x BN)

Source of parental material : Own germplasm.

Name of reference varieties : MCU-11, Narasimha

Variety Description:

A. Group Characteristic		Remark (measured values)
Leaf : Shape (Characteristic 8)		Palmate
Flower : Petal colour (Characteristic 15)		Cream
Flower : Pollen colour (Characteristic 19)		Cream
Boll : Shape (Characteristic 23)		Round
Fiber : Length(Characteristic 33)		Medium long
B. Distinct Characteristic of candidate variety: PC-P 621 has distinguishing character as opened boll opening, medium long fiber length		
C. Distinct Characteristic of reference varieties: MCU-11 has distinguishing character as semi open boll opening, long fiber length Narasimha has distinguishing character as long fiber length		
D. Date of commercialization of the variety		NA
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Growth habit (Determinate/Indeterminate)	Semi-spreading (31-60 cm) indeterminate
2.	Days to flowering/Anthesis (Average)	Medium (50-60 days)
3.	Days to physiological maturity (Average)	150-165days

4.	Seed rate per acre	2-3 kg/ac
5.	Organic (per acre)	5-10 tons
6.	Inorganic (per/ha)	Basal dose (at sowing) Irrigated, 75:35:35 NPK Rainfed, 50:25:25 NPK
7.	Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of row to row 90 x 60 cm plant to plant 75 x 30 cm
8.	Soil requirements to attain the potential yield	Medium to deep well drained soils.
9.	Sowing window requirement to attain potential yield (zone	Second week of june to first week of july
10.	Number of irrigations required to attain potential yield	8-10 irrigation
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 varietal/hybrid trials were conducted	South and central zone
13.	Intercultural operations (including training, pruning & nipping)	During critical crop growth up to 60 days field should be weed free.
S.No.	Commercial attributes	Details
1.	Yield of cotton /acre	6-8 q/acre in south and central zone under irrigated condition 4-6q/acre in south and central zone under rainfed zone condition
2.	Yield of lint/acre	2.0-2.8 q/acre in south and central zone under irrigated condition 1.4-2.8 q/acre in south and central zone under rainfed zone condition
3.	Fiber colour	White
4.	Ginning (%)	High (35-36)
5.	Fiber length	Long (27.5-32.0mm)
6.	Fiber strength	Strong (25.0-28.0 g/tex)
7.	Fineness (micronaire value)	Fine(3.0-3.9)

8.	Fibre uniformity (%)	Excellent (46-47)
9.	Fibre maturity (%)	Excellent (<81)
10.	Reaction against major diseases and pests	Moderate tolerance to whiteflies.
11.	Plant height (cm)	Medium tall (91-120)

20. Application no.

E1	CL1	11	63
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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 **Turmeric (*Curcuma longa* L.)** having denomination **IISR PRABHA** 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 PRABHA
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details
a. Number :

E1	CL1	11	63
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b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (Taxonomical lineage) : Turmeric (*Curcuma longa* L.)
Denomination : IISR PRABHA
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Germplasm accession no. 360
Source of parental material : Own germplasm
Name of reference varieties : Suranjana

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant :Height (Characteristic 2)	Tall

Leaf : Lamina length (Characteristic 7)	Long	
Leaf : Lamina width (Characteristic 8)	Medium	
Coma bract : Colour (Characteristic 14)	White	
Rhizome: Habit (Characteristic 16)	Compact	
Rhizome: Shape (Characteristic 17)	Curved	
Rhizome: Number of mother rhizomes (Characteristic 19)	Two-three	
Duration (Number of days) (Characteristic 23)	Long	
Dry recovery (%) (Characteristic 24)	High	
B. Distinct characteristics of candidate variety : IISR PRABHA has distinguishing character as curved rhizome		
C. Distinct characteristics of reference variety: Suranjana has distinguishing character as straight rhizome		
D. Date of commercialization of the variety	11-03-1996	
E. Agronomic and commercial attributes		
S. no.	Agronomic & commercial attributes	Details
1.	Maturity duration (no. of days) (Short, Medium, Long)	205 days, long
2.	Production condition: Suitability area in the country : Time of sowing : Irrigated/Rainfed : Low fertility/High fertility	All over India May-June Rainfed
3.	Tolerance to adverse temperature/frost and heat (Sensitive/Tolerant)	--
4.	Tolerance to water stagnation: (Sensitive/Tolerant)	-
5.	Resistance/ Tolerance to pests / Disease	Free from disease incidence
6.	Yield potential (Average) (q/ac)	149.88 q/ac (fresh)
7.	Nutritive value (i) Curcumin (%) (ii) Oleoresin (%)	6.52% 15.0%
8.	Dry recovery (%)	19.5%
9.	Any other relevant information specific to the variety	Value added variety (High curcumin/ac) developed from seedling progenies.

21. Application no.

E2	CL2	11	64
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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

Turmeric (*Curcuma longa* L.) having denomination **IISR PRATIBHA** 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 PRATIBHA
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details

E2	CL2	11	64
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a. Number :
b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (Taxonomical lineage) : Turmeric (*Curcuma longa* L.)
Denomination : IISR PRATIBHA
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Germplasm accession no. 361
Source of parental material : Own germplasm
Name of reference varieties : UAKP-660

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant :Height (Characteristic 2)	Medium
Leaf : Lamina length (Characteristic 7)	Long
Leaf : Lamina width (Characteristic 8)	Broad
Coma bract : Colour (Characteristic 14)	White
Rhizome: Habit (Characteristic 16)	Compact
Rhizome: Shape (Characteristic 17)	Curved
Rhizome: Number of mother rhizomes (Characteristic 19)	Two-three
Duration (Number of days) (Characteristic 23)	Long
Dry recovery (%) (Characteristic 24)	High

B. Distinct characteristics of candidate variety : IISR PRATIBHA has distinguishing character as two-three mother rhizomes		
C. Distinct characteristics of reference variety: UAKP-660 has distinguishing character as one mother rhizomes		
D. Date of commercialization of the variety	11-03-1996	
E. Agronomic and commercial attributes		
S. no.	Agronomic & commercial attributes	Details
1.	Maturity duration (no. of days) (Short, Medium, Long)	225 days, long
2.	Production condition: Suitability area in the country :Time of sowing :Irrigated/Rainfed :Low fertility/High fertility	All over India May-June Rain fed and irrigated conditions
3.	Tolerance to adverse temperature/frost and heat (Sensitive/Tolerant)	-
4.	Tolerance to water stagnation: (Sensitive/Tolerant)	-
5.	Resistance/ Tolerance to pests / Disease	Free from disease under existing package of practices
6.	Yield potential (Average) (q/ac)	156.48 q/ac (fresh)
7.	Nutritive value (i) Curcumin (%) (ii) Oleoresin (%)	6.21% 16.2%
8.	Dry recovery (%)	18.9%
9.	Any other relevant information specific to the variety	Value added variety (High curcumin/ac) developed from seedling progenies

22. Application no.

E2	ZO2	11	71
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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 **Ginger (*Zingiber officinale* Rosc.)** having denomination **IISR REJATHA** 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 REJATHA
Applicant : Indian Council of Agricultural Research

Address of the applicant : Krishi Bhawan, New Delhi, India

Nationality of applicant : Indian

Application details

a. Number :

E2	ZO2	11	71
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b. Date of receipt : 05.01.2011

c. Date of acceptance : --

Crop (Taxonomical lineage) : Ginger (*Zingiber officinale* Rosc.)

Denomination : IISR REJATHA

Type of variety : Extant (VCK)

Classification of variety : Typical

Previously proposed denomination : Not applicable

Name of parental material : Germplasm accession no. 35

Source of parental material : Own germplasm

Name of reference varieties : Jorhat

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Height (Characteristic 2)		Short
Plant: Number of shoots (pseudostem) (Characteristic 3)		Medium
Rhizome: Thickness (Characteristic 14)		Medium
Rhizome: Shape (Characteristic 15)		Straight
Crop duration (Characteristic 16)		-
B. Distinct characteristics of candidate variety : IISR REJATHA has distinguishing character as medium rhizome thickness		
C. Distinct characteristics of reference variety: Jorhat has distinguishing character as bold rhizome thickness		
D. Date of commercialization of the variety		24-03-2004
E. Agronomic and commercial attributes		
S.no.	Agronomic & commercial attributes	Details
1.	Maturity duration (number of days):	200 days, medium
2.	Production condition: Suitability area in the country	All over Kerala
	: Time of sowing	May
	: Irrigated/ Rainfed	Rainfed
	: Low fertility/ high fertility	High
3.	Tolerance to adverse temperature/ frost	-

	and heat- (Sensitive/Tolerant)	
4.	Tolerance to water stagnation: (Sensitive/ Tolerant)	-
5.	Resistance/ Tolerance to pest/s	Relatively free from disease, less prone to storage pests.
6.	Yield potential (Average) (q/ac) : Dry recovery %	89.60 q/ac (fresh) 19%
7.	Rhizome: Shape (Straight /Curved /Zigzagged)	Straight
8.	Any other relevant value addition information specific to the variety/hybrid in terms of trade	Low in fibre as per Agmark quality standards, very good acceptability of the variety by farmers/consumers/industry.

23. Application no.

E3	ZO3	11	72
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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 **Ginger (*Zingiber officinale* Rosc.)** having denomination **IISR VARADA** 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 VARADA
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details
a. Number :

E3	ZO3	11	72
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b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (Taxonomical lineage) : Ginger (*Zingiber officinale* Rosc.)
Denomination : IISR VARADA
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Germplasm accession no. 64
Source of parental material : Own germplasm
Name of reference varieties : Himachal

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Height (Characteristic 2)		Short
Plant: Number of shoots (pseudostem) (Characteristic 3)		Few
Rhizome: Thickness (Characteristic 14)		Medium
Rhizome: Shape (Characteristic 15)		Curved
Crop duration (Characteristic 16)		-
B. Distinct characteristics of candidate variety : IISR VARADA has distinguishing character as curved Rhizome		
C. Distinct characteristics of reference variety: Himachal has distinguishing character as zig zagged rhizome		
D. Date of commercialization of the variety		11-03-1996
E. Agronomic and commercial attributes		
S. no.	Agronomic & commercial attributes	Details
1.	Maturity duration (number of days):	200 days, medium
2.	Production condition: Suitability area in the country	All over Kerala
	:Time of sowing	May
	: Irrigated/ Rainfed	Rainfed
	: Low fertility/ high fertility	High
3.	Tolerance to adverse temperature/ frost and heat- (Sensitive/Tolerant)	-
4.	Tolerance to water stagnation: (Sensitive/ Tolerant)	-
5.	Resistance/ Tolerance to pest/s	Relatively free from disease, less prone to storage pests.
6.	Yield potential (Average) (q/ac)	90.64 q/ac (fresh)
	: Dry recovery %	20.7%
7.	Any other relevant value addition information specific to the variety/hybrid in terms of trade	The first ever ginger variety recommended for Kerala.

24. Application no.

E1	ZO1	11	70
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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 **Ginger (*Zingiber officinale* Rosc.)** having denomination **IISR MAHIMA** 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 MAHIMA
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi, India
Nationality of applicant : Indian
Application details
a. Number :

E1	ZO1	11	70
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b. Date of receipt : 05.01.2011
c. Date of acceptance : --
Crop (Taxonomical lineage) : Ginger (*Zingiber officinale* Rosc.)
Denomination : IISR MAHIMA
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed denomination : Not applicable
Name of parental material : Germplasm accession no. 117
Source of parental material : Own germplasm
Name of reference varieties : Nadia

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: Height (Characteristic 2)		Short
Plant: Number of shoots (pseudostem) (Characteristic 3)		Medium
Rhizome: Thickness (Characteristic 14)		Medium
Rhizome: Shape (Characteristic 15)		Straight
Crop duration (Characteristic 16)		-
B. Distinct characteristics of candidate variety : IISR MAHIMA has distinguishing characters as medium shoots, straight rhizome		
C. Distinct characteristics of reference variety: Nadia has distinguishing characters as few shoots, zig zagged rhizome		
D. Date of commercialization of the variety		24-03-2004
E. Agronomic and commercial attributes		
S. no.	Agronomic & commercial attributes	Details

1.	Maturity duration (number of days):	200 Days, medium
2.	Production condition: Suitability area in the country	All over Kerala
	:Time of sowing	May
	: Irrigated/ Rainfed	Rainfed
	: Low fertility/ high fertility	High
3.	Tolerance to adverse temperature/ frost and heat- (Sensitive/Tolerant)	-
4.	Tolerance to water stagnation: (Sensitive/ Tolerant)	-
5.	Resistance/ Tolerance to pest/s	Resistance to root knot nematodes (<i>Meloidogyne javanica</i> , <i>Meloidogyne incognito</i>)
6.	Yield potential (Average) (q/ac)	92.80 q/ac (fresh)
	: Dry recovery %	23%
7.	Any other relevant value addition information specific to the variety/hybrid in terms of trade	Low in fibre as per Agmark quality standards, very good acceptability of the variety by farmers/consumers/industry.

25. Application No.

F9	SM9	16	270
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 filed on 06.04.2016 by **Dipak Mondal**, **Village: Banamalipara, Block: Chakdaha, PO: Dighra, PS: Chakdaha, Dist: Nadia-741222, West Bengal** for a **Farmer** variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **KANTA MAKRA** 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 : KANTA MAKRA
Applicant : Dipak Mondal
Address of the applicant : Village: Banamalipara, Block: Chakdaha, PO: Dighra, PS: Chakdaha, Dist: Nadia-741222, W.B.
Nationality of applicant : Indian
Application details
a. Number :

F9	SM9	16	270
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b. Date of receipt : 06.04.2016
c. Date of acceptance : --

Crop (taxonomical lineage)	: Brinjal (<i>Solanum melongena</i> L.)
Denomination	: KANTA MAKRA
Type of variety	: Famer
Classification of variety	: Typical
Previously proposed Denomination	: Not applicable
Name of reference varieties	: DBL-329 and Orissa green

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
B. Distinct characteristics of candidate variety: KANTA MAKRA has distinguishing character as leaf spininess present		
C. Distinct characteristics of reference varieties: DBL-329 and Orissa green have distinguishing character as leaf spininess absent		
D. Date of commercialization of the variety		NA
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Medium (18-19 days after flowering)
2.	Production condition: suitability area in the country	West Bengal (New Alluvial Zone)
	:Time of sowing	May-June
	:Irrigated/rainfed	Rainfed (After rainy season it's required some irrigation)
	:Low fertility/high fertility soil	Low fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Tolerance to adverse weather condition and Heat tolerant.
4.	Tolerance to Water Stagnation: Sensitive/ Tolerant	Tolerant (up to certain height of water stagnation)
5.	Tolerance to disease and pests	Tolerant to phomopsis blight and fruit and shoot borer.
6.	Staking & Pruning Practices	Not practiced
7.	Winter- Spring cropping seasons Type	
8.	Fruit yield q/ac (average)	195- 210 q/ac
9.	Fruit Yield/plant (kg/ac) (average)	Average fruit yield / plant: 2.6-2.8
10.	Fruit quality and Fruit firmness	Good quality
11.	Fruit Picking Schedule	After 8-9 days

12.	Transport Potential (Days)	3-4 days
13.	Unique Selling Propositions and Optimal Shelf- life (Days)	Unique Selling Propositions (USP): Very delicious, tasty, popular for curry, fry and bharta. It fetches more price in the market due to high demand. Optimal Shelf- life: 3-4 days
14.	Any other relevant information specific to variety/ hybrid	Plant height: 107-122 cm. Longevity: More than one year. Flower colour: Bluish. Fruit colour: Green with white tinge. Spine: Present. Average weight of fruit: 200-250g

26. Application No.

F8	SM8	16	260
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 filed on 05.04.2016 by **Asim Kumar Mahato, Village: Dr. B.C. Roy Road, Block: Santipur, PO: Santipur, PS: Santipur, Dist: Nadia-741404, West Bengal** for a **Farmer** variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **PATAKA** 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 : PATAKA
Applicant : Asim Kumar Mahato
Address of the applicant : Village: Dr. B.C. Roy Road, Block: Santipur, PO: Santipur, PS: Santipur, Dist: Nadia-741404, W.B
Nationality of applicant : Indian
Application details
a. Number :

F8	SM8	16	260
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b. Date of receipt : 05.04.2016
c. Date of acceptance : --
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)
Denomination : PATAKA
Type of variety : Farmer
Classification of variety : Typical
Previously proposed :
Denomination : Not applicable
Name of reference varieties : UTTAKAL TARINI and Orissa green

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Club shaped
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		absent
Fruit: Colour of calyx (Characteristic 35)		Purple
B. Distinct characteristics of candidate variety: PATAKATA has distinguishing character as fruit spininess of calyx absent		
C. Distinct characteristics of reference varieties: UTTAKAL TARINI and Orissa green have distinguishing character as weak 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	Medium (15 days after flowering)
2.	Production condition: suitability area in the country	West Bengal (New Alluvial Zone)
	:Time of sowing	15 th – 30 th April
	:Irrigated/rainfed	Irrigated (before and after rainy season it's required some irrigation)
	:Low fertility/high fertility soil	Low fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Tolerance to adverse weather condition and Heat tolerant.
4.	Tolerance to Water Stagnation: Sensitive/Tolerant	Tolerant (up to certain period of time)
5.	Tolerance to disease and pests	Tolerant to phomopsis blight and Fruit and Shoot borer
6.	Staking & Pruning Practices	Staking is not required but pruning operation is practiced.
7.	Winter- Spring cropping seasons Type	
8.	Fruit yield q/ac (average)	120 – 130 q/ac
9.	Fruit Yield/plant (kg/ac) (average)	Average fruit yield / plant: 2-2.4
10.	Fruit quality and Fruit firmness	Good quality and soft
11.	Fruit Picking Schedule	After 8-9 days
12.	Transport Potential (Days)	3-4 days
13.	Unique Selling Propositions and Optimal Shelf- life (Days)	Unique Selling Propositions (USP): Very delicious, tasty, popular for curry and fry. It fetches more price in the market due to high demand. Optimal Shelf- life: 3-4 days
14.	Any other relevant information specific to variety/ hybrid	Plant height: 60 - 90 cm. Longevity: Eight months Flower colour: Light Purple

		Fruit colour: Dark Purple Spine: Absent. Average weight of fruit: 200-250g
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27. Application No.

F3	VM5	14	483
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 filed on 03.03.2014 by **Maniram Sakay**, village: **Adoli, Ujhani, Dist: Badaun-243639, (U.P.)** for a **Farmer** variety of crop **Black gram** (*Vigna mungo* L.) having denomination **Alankar Adoli** 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 : Alankar Adoli
Applicant : Maniram Sakay
Address of the applicant : village: Adoli, Ujhani, Dist: Badaun-243639, (U.P.)
Nationality of applicant : Indian
Application details
a. Number :

F3	VM5	14	483
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b. Date of receipt : 03.03.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Black gram (*Vigna mungo* L.)
Denomination : Alankar Adoli
Type of variety : Farmer
Classification of variety : Typical
Previously proposed
Denomination : Not applicable
Name of reference varieties : NDU-1 and PANTU19

Variety description:

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 2)	Medium
Plant: Habit (Characteristic 4)	Determinate
Pod: Pubescence (Characteristic 13)	Present
Seed: Luster (Characteristic 19)	Dull
Seed: Size (Characteristic 21)	Medium
B. Distinct characteristics of candidate variety: Alankar Adoli has distinguishing character as stem colour purple with green splashes	
C. Distinct characteristics of reference varieties: NDU-1 and PANTU19 have distinguishing character as stem green colour absent with purple	

splashes		
D. Date of commercialization of the variety		
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	Approx 120 days
2.	Production condition: suitability area in the country	
	:Time of sowing	25 th July
	:Irrigated/rainfed	Rainfed
	:Low fertility/high fertility soil	High fertility
3.	Tolerance to adverse temperature/frost/heat & salinity	Heat Sensitive
4.	Tolerance to disease and pests	Resistance
5.	The best growing season to attain the potential yield	Rainy season
6.	Number of Pods per Plant (average)	Approx 200 pods/ pl
7.	Zone Wise Yield Potential (Average) per acre (q/ac)	Approx 8 -10 q/ac
8.	Seed yield q/ac (Average)	Approx 0.8-1.0 q/ac
9.	Any other relevant information specific to variety/ hybrid (Low / Medium/ High Water Use Efficiency Type)	Good Production Normal Variety Medium water use

28. Application No.

N5	TA30	14	2491
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 filed on 15.12.2014 by **Ajeet Seeds Ltd. 2nd Floor Tapadia Terraces, Adalat Road, Aurangabad-431001** for a **NEW** Variety of crop **Bread Wheat (*Triticum aestivum* L.)** having denomination **AJEET-349** 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 : AJEET-349
Applicant : Ajeet Seeds Ltd.
Address of the applicant : 2nd Floor Tapadia Terraces, Adalat Road, Aurangabad-431001
Nationality of applicant : Indian
Application details
a. Number :

N5	TA30	14	2491
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b. Date of receipt : 15.12.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Bread Wheat (*Triticum aestivum* L.)

Denomination : AJEET-349
 Type of variety : New
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : MILAN/S87230//BAV92*2/3/AKURI
 Source of parental material : CIMMYT
 Name of reference varieties : WH 1021 and DPW 621-50

Variety description:

A. Grouping characteristics		Remarks (measured values)
Flag leaf : Anthocynin coloration of auricle (Characteristic 4)		Absent
Ear : Time of ear emergence (first spikelet visible on 50% of ears) (Characteristic 7)		Medium
Plant length (excluding awns and scurs) (Characteristic 14)		Long
Awn or scurs : Presence (Characteristic 18)		Awns present
Outer glume : Pubescence (Characteristic 23)		Absent
Ear : Colour (Characteristic 24)		White
Season : Type (Characteristic 37)		Spring type
Grain : Hardness (Characteristic 38)		Semi-hard
B. Distinct characteristics of candidate variety: AJEET-349 has distinguishing character as medium lower glume shaller width (spikelets in mid-third of ear) and round lower glume shaller shape (as for 25).		
C. Distinct characteristics of reference varieties: WH 1021 has distinguishing character as narrow lower glume shaller width (spikelets in mid-third of ear) and sloping lower glume shaller shape (as for 25). DPW 621-50 has distinguishing character as medium lower glume shaller width (spikelets in mid-third of ear) and straight lower glume shaller shape (as for 25).		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Late
2.	Production condition: Suitability Area in the Country	
	: Time of Sowing	15 Nov to 15 Dec.
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility of soil
3.	Tolerance to Disease & Pests	Tolerance
4.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Tolerance to frost
	Grain Characters Physical: a) Kernel Size (cm) b) Seed Luster (Present/Absent) c) Seed Colour	5 to 6 mm Absent Amber

5.	Zone Wise Yield Potential (Average) per acre (q/Ac)	20-22 q/ac
6.	Seed Yield q/acre (Average)	20-22 q/ac
7.	Seed: Weight (100 seed weight in g)	4.5 to 5 g
8.	Any other relevant information specific to the variety/hybrid	Lodging tolerance

29. Application No.

E1	TA1	18	1
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 filed on 09.01.2018 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001** for a **Extant (Notified)** variety of crop **Wheat (*Triticum aestivum* L.)** having denomination **WB 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 : WB 2
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, New Delhi-110001
Nationality of applicant : Indian
Application details
a. Number :

E1	TA1	18	1
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b. Date of receipt : 09.01.2018
c. Date of acceptance : --
Crop (taxonomical lineage) : Wheat (*Triticum aestivum* L.)
Denomination : WB 2
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material :
T.DICOCCUM19309/AE.SQUARROSA(409)/3MILAN/S
87230//BAV92/4/2*MILAN/S87230//BAV92
Source of parental material : Selection from 3rd Harvest Plus Yield Trial (HPYT 415)
of CIMMYT
Name of reference varieties : DPW 621-50, DBW 88
Notification details : Notification no. S.O. 1007(E), dated: 30/03/2017

Variety description:

A. Grouping characteristics	Remarks (measured values)
Flag leaf : Anthocynin coloration of auricle (Characteristic 4)	Absent

Ear : Time of ear emergence (first spikelet visible on 50% of ears) (Characteristic 7)	Medium	
Plant length (excluding awns and scurs) (Characteristic 14)	Long	
Awn or scurs : Presence (Characteristic 18)	Awns present	
Outer glume : Pubescence (Characteristic 23)	Absent	
Ear : Colour (Characteristic 24)	White	
Season : Type (Characteristic 37)	Spring type	
Grain : Hardness (Characteristic 38)	Hard	
B. Distinct characteristics of candidate variety: WB 2 has distinguishing character as long plant length, long lower glume beak length and broad flag leaf width.		
C. Distinct characteristics of reference varieties: DPW 621-50 has distinguishing character as medium plant length, medium lower glume beak length and medium flag leaf width. DBW 88 has distinguishing character as medium plant length, medium lower glume beak length and broad flag leaf width.		
D. Date of commercialization of the variety	08.09.2017	
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Average grain yield under timely sown conditions of NWPZ	Av. 20.64 q/ac Range: 16.64 – 23.44 q/ac
2.	Suitability	Irrigated late sown conditions of North Western Plains Zone (NWPZ)
3.	Optimum sowing time	NWPZ: November 05-15
4.	Seed rate	100 Kg/ha line sowing with row-to-row distance of 20cm
5.	Fertilizer dose	150:60:40 (N:P:K)
6.	Irrigation schedule	4-6 irrigation. First at 20-25 DAS and thereafter at 20 days interval
7.	Plant height	100cm (89-108cm)
8.	Days to flowering	95 days (84-104 days)
9.	Days to maturity	142 days (129-157 days)
10.	1000 grain weight	39g (32-44g)

30. Application No.

E1	TA1	19	16
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 filed on 07.03.2019 by **CCS Haryana Agricultural University, Director of Research, CCS Haryana Agricultural University, Hisar- 125004** for a **Extant (Notified)** variety of crop **Bread Wheat (*Triticum aestivum* L.)** having denomination **WH 1142** 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 : WH 1142
Applicant : CCS Haryana Agricultural University
Address of the applicant : Director of Research, CCS Haryana Agricultural University & Hisar – 125004
Nationality of applicant : Indian
Application details
a. Number :

E1	TA1	19	16
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b. Date of receipt : 07.03.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Bread Wheat (*Triticum aestivum* L.)
Denomination : WH 1142
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : CHEN/AEGILOPSSQUARROSA (TAUS)//FCT/3/2*WEAVER
Source of parental material : 36th IBWSN- 264
Name of reference varieties : WH 1080, PBW 343
Notification details : Notification no. S.O. 1228 (E), dated: 07/05/2015

Variety description:

A. Grouping characteristics	Remarks (measured values)
Flag leaf : Anthocynin colouration of auricle (Characteristic 4)	Absent
Time of ear emergence (Characteristic 7)	Medium (150 days)
Plant length (Characteristic 14)	Medium (130 cm)
Awn or scurs : Presence (Characteristic 18)	Awns Present
Outer glume : Pubescence (Characteristic 23)	Absent
Ear : Colour (Characteristic 24)	White
Season type (Characteristic 37)	Spring
Grain hardness (Characteristic 38)	Semi-hard
B. Distinct characteristics of candidate variety:	
WH 1142 has distinguishing character as flag leaf anthocyanin colouration of auricle absent, drooping plant flag leaf attitude, tapering ear shape in profile, medium awn attitude, round lower glume shoulder shape	
C. Distinct characteristics of reference varieties:	
WH 1080 has distinguishing character as medium flag leaf anthocyanin colouration of auricles, semi-erect plant flag leaf attitude, parallel ear shape in profile, spreading awn attitude, sloping	

lower glume shoulder shape PWB 343 has distinguishing character as flag leaf anthocyanin colouration of auricle absent, erect plant flag leaf attitude, tapering ear shape in profile, spreading awn attitude, straight lower glume shoulder shape.		
D. Date of commercialization of the variety		07.05.2015
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium (154 days)
2.	Production condition: Suitability Area in the Country	North Western Plain Zone of India (NWPZ)
	: Time of Sowing	Last week of October (Early Sowing)
	: Irrigated/Rainfed	Restricted irrigation
	: Lower fertility/ High fertility of Soil	Medium fertility (36:24:16; NPK /ac)
3.	Tolerance to Disease & Pests	Resistant to yellow and brown rust
4.	Tolerance to adverse Temperature/Frost & Heat- Sensitive/ Tolerance	Drought tolerance
5.	Grain character Physical:	
	a) Kernel size (cm)	-
	a) Seed Luster (Present/ Absent)	-
	c) Seed colour	Amber
6.	Zone Wise Yield Potential (Average) per acre (q/ac)	19.2 q/ac
7.	Seed yield q/ac (average)	19.2 q/ac
8.	Seed: Weight (100 seed weight in g)	38.3g
9.	Any other relevant information specific to the variety/hybrid	Medium Ear head length (11.0 cm)

31. Application No.

E2	TA2	19	17
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 filed on 07.03.2019 by **CCS Haryana Agriculture University, Director of Research, CCS Haryana Agricultural University Hisar – 125004** for a **Extant (Notified)** variety of crop **Bread wheat (*Triticum aestivum* L.)** having denomination **WH 1124** 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 : WH 1124
Applicant : CCS Haryana Agriculture University
Address of the applicant : Director of Research, CCS Haryana Agricultural University,
 Hisar - 125004
 Nationality of applicant : Indian
Application details
 a. Number :

E2	TA2	19	17
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 b. Date of receipt : 07.03.2019
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Bread wheat (*Triticum aestivum* L.)
 Denomination : WH 1124
 Type of variety : Extant
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : MUNIA/ CHOT// AMSEL
 Source of parental material : Selection from CIMMYT
 Name of reference varieties : WH 1021, PBW 373
 Notification details : Notification no. S.O. 1919 (E), dated: 30.07.2014

Variety description:

A. Grouping characteristics		Remarks (measured values)
Flag leaf : Anthocynin coloration of auricle (Characteristic 4)		Green
Time of ear emergence (Characteristic 7)		Absent
Plant length (Characteristic 14)		Medium (84 days)
Awn or scurs : Presence (Characteristic 18)		Awns Present
Outer glume : Pubescence (Characteristic 23)		Medium
Ear : Colour (Characteristic 24)		White
Season type (Characteristic 37)		Spring
B. Distinct characteristics of candidate variety: WH 1124 has distinguishing character as drooping plant flag leaf attitude, medium ear density, medium outer glume pubescence, round lower glume shoulder shape, spike attitude bent at the time of maturity.		
C. Distinct characteristics of reference varieties: WH 1021 has distinguishing character as drooping plant flag leaf attitude, lax ear density, absent outer glume pubescence, slopy lower glume shoulder shape, spike attitude straight at the time of maturity. PBW 373 has distinguishing character as erect plant flag leaf attitude, absent outer glume pubescence, straight lower glume shoulder shape, spike attitude straight at the time of maturity.		
D. Date of commercialization of the variety		30.07.2014
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days of maturity: Early/Medium/Late	Early (121 days)

2.	Production condition: Suitability Area in the Country	North Western plain zone
	: Time of Sowing	Late
	: Irrigated/Rainfed	Irrigated
	: Low fertility / High fertility of Soil	High fertility of Soil
3.	Tolerance to Disease & Pests	Tolerant
4.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Suitable under terminal Heat stress condition.
5.	Grain characters Physical:	
	a) Kernel size (cm)	-
	b) Seed Luster (Present/Absent)	-
	c) Seed colour	Amber
6.	Zone wise Yield Potential (Average) per acre (q/ac)	22.44 q/ac
7.	Seed Yield q/ac (Average)	17.6 q/ac
8.	Seed: Weight (100 seed weight in g)	-
9.	Any other relevant information specific to the variety/hybrid	WH 1124 having wide adaptability and high Yield Potential of 22.44 q/ac in North Western plain zone of India.

32. Application No.

F9	CA9	15	390
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 filed on 12.03.2015 by **Shravan Kumar Yadav, Village: Kashi Kewal, Post: Baluti, Dist: Chatra, Jharkhand** for a **Farmer** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **Buti Chana** 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 : Buti Chana
Applicant : Shravan Kumar Yadav
Address of the applicant : Village: Kashi Kewal, Post: Baluti, Dist: Chatra,
Jharkhand

Nationality of applicant : Indian

Application details

a. Number :

F9	CA9	15	390
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b. Date of receipt : 12.03.2015
c. Date of acceptance : --
Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)
Denomination : Buti Chana

Type of variety : Famer
 Classification of variety : Typical
 Previously proposed
 Denomination : Not applicable
 Name of reference varieties : H 82-2 and Vijay

Variety description:

A. Group characteristics		Remarks (measured values)
Time of flowering (50% of the plants with at least one open flower) (Characteristic 3)		Early (40-60 days)
Flower : Colour (Characteristic 9)		Pink
Seed: Colour (Characteristic 15)		Dark brown
Seed : Size (weight of 100 seeds at 10% moisture content) (Characteristic 16)		Very small (<20g)
B. Distinct characteristics of candidate variety: Buti Chana has distinguishing character as spreading (61-800 from vertical) plant growth habit.		
C. Distinct characteristics of reference varieties: H 82-2 and Vijay have distinguishing character as semi-erect (16-600 from vertical) plant growth habit.		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	90-100 days
2.	Production condition: suitability area in the country	
	:Time of sowing	10-15 Nov.
	:Irrigated/rainfed	-
	:Low fertility/high fertility of soil	Medium Fertility
3.	Tolerance to adverse Temperature/ Frost/ &Heat- Sensitive/Tolerance	Yes
4.	Resistance/Tolerance to Pest/s	No
5.	The best growing season to attain the potential yield (zonewise)	First week of Nov.
6.	Number of Pods per Plant (average)	120-130
7.	Zone Wise Yield Potential (Average) per acre (q/Acre)	7.2 - 8.8 q/ac
8.	Seed yield q/ ac (average)	4.8 - 6 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/ High Water Use Efficiency Type)	Low water required

33. Application No.

E1	CA1	18	95
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 filed on 01.03.2018 by **Mahatma Phule Krishi Vidhyapeeth, Rahuri- 413722, Dist: Ahmednagar** for a **Extant (Notified)** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **PHULE VIKRAM** 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 VIKRAM
Applicant : Mahatma Phule Krishi Vidhyapeeth
Address of the applicant : Mahatma Phule Krishi Vidhyapeeth, Rahuri - 413722,
 Dist: Ahmednagar

Nationality of applicant : Indian

Application details

a. Number :

E1	CA1	18	95
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 b. Date of receipt : 01.03.2018
 c. Date of acceptance : --

Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)

Denomination : PHULE VIKRAM

Type of variety : Extant (Notified)

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : ICCV 10 x ICCL 87322

Source of parental material : CIMMYT

Name of reference varieties : Vijay, Vishal, Digvijay

Notification details : Notification no. S.O. 2805 (E), dated: 25/07/2017

Variety description:

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 3)	Early
Flower : Colour (Characteristic 9)	Pink
Seed: Colour (Characteristic 15)	Brown
Seed : Size (Characteristic 16)	Small
B. Distinct characteristics of candidate variety:	
PHULE VIKRAM has distinguishing character as semi erect plant growth habit, medium green colour intensity of foliage, medium plant height, small seed size, seed ribbing absent and angular seed shape	

C. Distinct characteristics of reference varieties:		
<p>Vijay has distinguishing character as plant growth habit spreading, medium green colour intensity of foliage, short plant height, very small seed size, seed ribbing present and angular seed shape.</p> <p>Vishal has distinguishing character as plant growth habit spreading, dark green colour intensity of foliage, short plant height, medium seed size, seed ribbing absent and owl's head seed shape.</p> <p>Digvijay has distinguishing character as plant growth habit spreading, dark green colour intensity of foliage, short plant height, small seed size, seed ribbing present and owl's head seed shape.</p>		
D. Date of commercialization of the variety		25/08/2017
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium (96-112 days)
2.	Production condition: Suitability Area in the Country	Maharashtra
	: Time of Sowing	Rainfed: 20 th Sep to 10 th Oct Irrigated: 20 th Oct to 10 th Nov Late sown : Up to 1 st week of December
	: Irrigated/Rainfed	Suitable for rainfed, optimum sown irrigated and late sown irrigated conditions.
	: Low fertility/ High fertility of the soil	High fertility of soil
3.	Tolerance to adverse Temperature/Frost &Heat Sensitive / Tolerance	As per data from late sown trials we observed better tolerance to temperature.
4.	Resistance/Tolerance to Pest	Tolerant to pest pod borer (MR) (<i>Helicoverpa armigera</i>)
5.	The best growing season to attain the potential yield (zonewise)	20 th October to 10 th November to attain the potential yield.
6.	Number of Pods per plant (average)	48-58
7.	Zonewise Yield Potential (Average) per acre (q/ac)	Rainfed: Potential Yield: 6.40-7.20 (q/ac) Average yield: 6.40 Irrigated : Potential Yield: 14.0-16.8 (q/ac) Average yield : 8.80 Late sown : Potential Yield : 8.00-8.80 (q/ac) Average yield : 8.40
8.	Seed yield q/ac (average)	Rainfed: Potential Yield: 6.4 -7.2 (q/ac) Average yield : 6.4 Irrigated : Potential Yield: 14-16.8 (q/ac) Average yield: 8.8 Late sown : Potential Yield : 08 - 8.8 (q/ac) Average yield : 8.4
9.	Any other relevant information	-

	specific to the variety/hybrid	
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34 . Application No.

E1	SB7	18	598
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 filed on 11.07.2018 by **Junagadh Agricultural University, Director of Research, Motibaugh, Junagadh – 362001** for a **Extant (Notified)** variety of crop **Chickpea** (*Cicer arietinum* L.) having denomination **GUJARAT JUNAGARH GRAM 6** 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 JUNAGARH GRAM 6
Applicant : Junagadh Agricultural University
Address of the applicant : Director of Research, Junagadh Agricultural University, Moti baugh, Junagadh-362001
Nationality of applicant : Indian
Application details
a. Number :

E2	CA17	18	621
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b. Date of receipt : 11.07.2018
c. Date of acceptance : --
Crop (taxonomical lineage) : Chickpea (*Cicer arietinum* L.)
Denomination : GUJARAT JUNAGARH GRAM 6
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : GJG 0105 x FG 711
Source of parental material : GJG 0105 is developed from cross ICCV 92014 x ICCV from JAU, Junagadh and FG 711 developed from PAU
Name of reference varieties : GG1(Ch), GG2 (Ch), GJG 3 (Ch)
Notification details : Notification no. S.O. 3540(E), dated: 22/11/2016

Variety description:

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 3)	Medium
Flower : Colour (Characteristic 9)	Pink
Seed: Colour (Characteristic 15)	Dark brown

Seed : Size (Characteristic 16)	Medium	
B. Distinct characteristics of candidate variety:		
Gujarat Junagadh Gram 6: It has distinguishing characters like medium pod size, medium seed size, green pod colour, angular seed shape, tuberculated seed testa texture, dark brown seed colour, seed ribbing present		
C. Distinct characteristics of reference varieties:		
GG1(Ch): It has distinguishing characters as large pod size, medium seed size, green pod colour, pea shaped seed shape, smooth seed testa texture, dark brown seed colour, seed ribbing absent.		
GG2(Ch): It has distinguishing characters as medium pod size, large seed size, green pod colour , owl's head seed shape, rough seed testa texture, dark brown seed colour, seed ribbing present.		
GG 3(Ch): It has distinguishing characters as large pod size, large seed size, creamy pod colour, owl's head seed shape, tuberculated seed testa texture, yellow seed colour, t seed ribbing absent.		
D. Date of commercialization of the variety	22.11.2016	
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to Maturity: Early/ Medium/ Late	Medium (112 days)
2.	Production condition: Suitability Area in the Country	Un-irrigated (conserved moisture) production condition of Gujarat State
	: Time of sowing	Second fortnight of October
	: Irrigated/Rainfed	Rainfed (Conserved moisture condition)
	: Low fertility/ High fertility of the soil	High fertility of soil
3.	Resistance/ Tolerance to Disease & Pests	Tolerant to <i>Heliothis</i> infestation
4.	Tolerance to adverse Temperature/Frost& Heat & Salinity	Tolerant to Heat
5.	The best growing season to attain the potential yield (zonewise)	Rabi season of Gujarat State
6.	Number of Pods per Plant (average)	36
7.	Zone wise Yield Potential (Average) per acre (q/ac)	10.8 q/ac
8.	Seed yield q/ha (Average)	7.46 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High water Use Efficient Type)	Medium Water Use Efficient Type

35. Application No.

N1	CC11	18	709
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 filed on 27.12.2018 by **Tamil Nadu Agricultural University, The Director of Research, Tamil Nadu Agricultural University, Coimbatore- 641003** for a **Extant (Notified)** variety of crop **Pigeon pea (*Cajanus cajan* L.)** having denomination **CO 8 (CRG 10-01)** 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 : CO 8 (CRG 10-01)
Applicant : Tamil Nadu Agricultural University, Tamil Nadu
Address of the applicant : Director of Research, Tamil Nadu Agricultural University, Coimbatore-641003

Nationality of applicant : Indian

Application details

a. Number :

N1	CC11	18	709
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b. Date of receipt : 27.12.2018
c. Date of acceptance : --
Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* L.)
Denomination : CO 8 (CRG 10-01)
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : APK 1 x LRG 41
Source of parental material : -
Name of reference varieties : CO 6
Notification details : Notification no. S.O. 1379 (E), dated: 27/03/2018

Variety description:

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 3)	Medium
Plant: Growth habit (Characteristic 4)	Intermediate
Stem: Colour (Characteristic 5)	Green with brown stripes
Pod: Waxiness (Characteristic 12)	Absent
Seed: Colour (Characteristic 18)	Cream
B. Distinct characteristics of candidate variety:	
CO 8 (CRG 10-01): It has distinguishing characters as green with brown streaks colour of	

pod, green with brown stripes stem colour, large seed size, cream seed colour		
C. Distinct characteristics of reference varieties:		
CO 6: It has distinguishing characters as green with purple streaks colour of pod, green stem colour, medium seed size, brown seed colour		
D. Date of commercialization of the variety		27.03.2018
E. Agronomic and commercial attribute		
S.No.	Attributes	Details
1.	Days to Maturity: Early/ Medium/ Late	Medium (170-180 days)
2.	Production condition: Suitability Area in the Country	Tamil Nadu
	: Time of sowing	July-August
	: Irrigated/Rainfed	Irrigated and Rainfed
	: Low fertility/ High fertility of the soil	Low fertility/ High fertility of the soil
3.	Tolerance to adverse Temperature/Frost& Heat & Salinity	Drought Tolerant
4.	Resistance/ Tolerance to Disease & Pests	Resistant to sterility mosaic virus (SMD) and tolerant to wilt and root rot Moderately resistant to <i>Helicoverpa armigera</i>
5.	The best growing season to attain the potential yield (zonewise)	July-August
6.	Number of Pods per Plant (average)	700-800
7.	Zone wise Yield Potential (Average) per acre (q/ac)	Central zone: 2.8 q/ac South zone: 2 q/ac
8.	Seed Yield q/ac (Average)	Irrigated: 7.2 q/ac Rainfed: 6.4 q/ac
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High water Use Efficient Type)	Bold seeded and drought tolerance

36. Application No.

E2	VR11	18	710
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 filed on 27.12.2018 by **Tamil Nadu Agricultural University, The Director of Research, Tamil Nadu Agricultural University, Coimbatore- 641003** for a **Extant (Notified)** variety of crop **Green gram (*Vigna radiata* L.)** having denomination **CO 8 (COGG 973)**, 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 : CO 8 (COGG 973)
Applicant : Tamil Nadu Agricultural University
Address of the applicant : The Director of Research, Tamil Nadu Agricultural University, Coimbatore- 641003

Nationality of applicant : Indian

Application details

a. Number	:	E2	VR11	18	710
b. Date of receipt	:	27.12.2018			
c. Date of acceptance	:	--			

Crop (taxonomical lineage) : Green gram (*Vigna radiate* L.)
Denomination : CO 8 (COGG 973)
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : COGG 923 x VC 6040A
Source of parental material : -
Name of reference varieties : Co (Gg) 7
Notification details : Notification no. S.O. 268 (E), dated: 28/01/2015

Variety description:

A. Grouping characteristics		Remarks (measured values)
Hypocotyl: Anthocyanin colouration (Characteristic 1)		Absent
Time of flowering (Characteristic 2)		Early
Seed: Lusture (Characteristic 22)		Dull
Seed: Size (Characteristic 24)		Medium
B. Distinct characteristics of candidate variety: CO 8 (COGG 973): It has distinguishing characters as dark green foliage colour, purple leaf vein colour, green with purple splashes petiole colour, dark green colour of premature pods, pod pubescence present, dull seed luster, drum shaped seed.		
C. Distinct characteristics of reference varieties: CO (Gg) 7: It has distinguishing characters as green foliage colour, green leaf vein colour, green petiole colour, green colour of premature pods, pod pubescence absent, shiny lusture, globose shaped seed.		
D. Date of commercialization of the variety		28.01.2015
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to Maturity: Early/ Medium/ Late	Early (55-60 days)

2.	Production condition: Suitability Area in the Country	Tamil Nadu
	: Time of sowing	June- July; Sep-Oct
	: Irrigated/Rainfed	Irrigated and Rainfed
	: Low fertility/ High fertility of the soil	Low fertility/ High fertility of the soil
3.	Tolerance to adverse Temperature/Frost& Heat & Salinity	Drought tolerant
4.	Resistance/ Tolerance to Disease & Pests	Moderately resistant to Yellow mosaic virus disease, Stem necrosis and root rot. Moderately resistant to sucking pests like aphids and stem fly
5.	The best growing season to attain the potential yield (zonewise)	June-July
6.	Number of Pods per Plant (average)	65-90
7.	Zone wise Yield Potential (Average) per acre (q/ac)	Central zone: 4.0q/ac South zone: 3.5 q/ac
8.	Seed Yield q/ac (Average)	3.4 q/ac (Tamil Nadu)
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High water Use Efficient Type)	Determinate plant type with synchronized maturity suitable for single/ mechanical harvest

37. Application No.

E1	VF3	18	597
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 filed on 04.07.2018 by **Indian Council Agricultural Research & Krishi Bhawan, Dr. Rajendra Prasad Road New Delhi-110001** for a **Extant (Notified)** variety of crop **Faba bean** (*Vicia faba* L.) having denomination **Swarna Safal**, 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 : Swarna Safal
Applicant : Indian Council Agricultural Research
Address of the applicant : Krishi Bhawan, Dr. Rajendra Prasad Road
New Delhi-110001
Nationality of applicant : Indian

Application details

a. Number	:	E1	VF3	18	597
b. Date of receipt	:	04.07.2018			
c. Date of acceptance	:	--			
Crop (taxonomical lineage)	:	Faba bean (<i>Vicia faba</i> L.)			
Denomination	:	Swarna Safal			
Type of variety	:	Extant (Notified)			
Classification of variety	:	Typical			
Previously proposed	:	Not applicable			
Denomination	:				
Name of parental material	:	Pure line			
Source of parental material	:	Collected from puraina village of vaishali District of Bihar			
Name of reference varieties	:	Pusa Sumeet			
Notification details	:	Notification no. S.O. 3666 (E), dated: 06/12/2016			

Variety description:

A. Grouping characteristics		Remarks (measured values)
Plant: growth type (characteristic 2)		Determinate
Wing: melanin spot (characteristic 6)		Present
Dry seed: colour of testa (characteristic 31)		Light brown
Dry seed: pigmentation of hilum (characteristic 32)		Present
B. Distinct characteristics of candidate variety:		
Swarna Safal: It has distinguishing characters as green pod colour, straight round pod shape, white flower colour, light brown dry seed coat colour, round dry seed shape.		
C. Distinct characteristics of reference variety:		
Pusa Sumeet: It has distinguishing characters as green pod colour, straight round pod shape, white flower colour, light brown dry seed coat colour, round dry seed shape.		
D. Date of commercialization of the variety		22.05.2015
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium (Sowing-flowering 36-40 days; Flowering- Harvesting 53-54 days)
2.	Production condition: Suitability Area in the Country	The variety is suitable for winter season cultivation in Jharkhand
	:Time of Sowing	October - November
	: Irrigated/ Rainfed	irrigated
	: Low fertility/ High fertility of soil	Though tolerant to acid soil condition, better yield would be obtained in medium fertile soil
3.	Tolerance to adverse Temperature/ Frost & Heat- Sensitive/ Tolerance	Sensitive
4.	Resistance/Tolerance to Pests/s	Least infested by pod borer and leaf miner

38. Application No.

E1	AHY1	18	318
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 filed on 07.05.2018 by **Director of Research, Mahatma Phule Krishi Vidyapeeth Rahuri- 413722, Dist: Ahmednagar** for a **Extant (Notified)** variety of crop **Grain Amaranthus** (*Amaranthus hypocondriacus* L.) having denomination **PHULE KARTIKI** 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 KARTIKI
Applicant : Mahatma Phule Krishi Vidyapeeth
Address of the applicant : Director of Research, Mahatma Phule Krishi Vidyapeeth
 Rahuri- 413722, Dist: Ahmednagar
 Nationality of applicant : Indian
Application details
 a. Number :

E1	AHY1	18	318
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 b. Date of receipt : 07.05.2018
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Grain Amaranthus (Rajgira) (*Amaranthus hypocondria* L.)
 Denomination : PHULE KARTIKI
 Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : Selection from germplasm line IC-21943-1
 Source of parental material : -
 Name of reference varieties : GA-1 and Suvarna
 Notification details : Notification no. S.O. 2125(E), dated: 10/09/2012

Variety description:

A. Grouping characteristics	Remarks (measured values)
Seedling: anthocyanin coloration of hypocotyls (characteristic 1)	-
Leaf blade: presence of blotch (characteristic 4)	-
Inflorescence: colour (characteristic 7)	Yellowish green
Inflorescence: shape (characteristic 13)	Straight
Seed: colour (characteristic 18)	Pale Yellow
B. Distinct characteristics of candidate variety:	

PHULE KARTIKI: It has distinguishing characters as intermediate inflorescence compactness, yellowish green stem colour, yellowish green inflorescence colour, straight inflorescence shape		
C. Distinct characteristics of reference varieties:		
GA-1: It has distinguishing characters as intermediate inflorescence compactness, yellowish stem colour, Yellow inflorescence colour. straight inflorescence shape		
Suvarna: It has distinguishing characters as lax inflorescence compactness, yellowish green stem colour, yellow inflorescence colour, globose inflorescence shape.		
D. Date of commercialization of the variety		10.09.2012
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/ Medium/ Late	116 days (Medium)
2.	Production condition: Suitability Area in the Country	Western Maharashtra
	: Time of Sowing	<i>Kharif</i> 15 th June - 15 th July Rabi-15 th October -15 th November
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of soil	Medium to deep fertility of soil
3.	Tolerance to Disease & Pests	No major disease was observed in <i>kharif</i> & Rabi season
	Tolerance to adverse Temperature /Frost/Heat& Salinity	-
4.	Grain Characters physical:	
	a) Kernel size (cm)	-
	b) Seed Luster (Present/ Absent)	-
	c) Seed colour	Pale yellow
5.	Zone wise yield Potential (Average) per acre (q/acre)	-
6.	Seed Yield q/ac (Average)	<i>Kharif</i> : 1.68 q/ac Rabi : 2.6 q/ac
7.	Seed: Weight (100 seed weight in g)	8.20g
8.	Any other relevant information specific to the variety / hybrid	i. Sowing should not be done below 2-3 cm depth ii. Thinning should be done at proper time i.e. 10-15 DAS iii. Low shattering is observed when harvesting is delayed

39. Application No.

F2	AE2	14	533
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 filed on 05.03.2014 by **Sh. Anant Digambar Prabhuazgaonkar, Post Adeli, Taluka-Vengurla, Dist-Sindhudurga 416516** for a

Farmer variety of crop **Okra (*Abelmoschus esculentus* (L.) Moench)** having denomination **LAL BHENDI**, 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 : LAL BHENDI
Applicant : Sh. Anant Digambar Prabhuazgaonkar
Address of the applicant : Post Adeli, Taluka-Vengurla, Dist-Sindhudurga 416516
Nationality of applicant : Indian
Application details
a. Number :

F2	AE2	14	533
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b. Date of receipt : 05.03.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench.)
Denomination : LAL BHENDI
Type of variety : Famer
Classification of variety : Typical
Previously proposed
Denomination : Not applicable
Name of reference varieties : Arka Anamika and Prabhani Kranti

Variety description:

A. Group characteristics	Remarks (measured values)
Stem: Colour (Characteristic 1)	Red
Leaf blade : Depth of lobing (Characteristic 3)	Shallow
Stem: Number of nodes at first flowering (Characteristic 4)	Many (>8)
Fruit: Colour (Characteristic 17)	Red
Fruit: Number of locules (Characteristic 24)	<6
Plant: Number of branches (Characteristic 25)	Few (<2)
B. Distinct characteristics of candidate variety: LAL BHENDI has distinguishing character as shallow leaf blade depth of lobing and late flowering time	
C. Distinct characteristics of reference varieties: Arka Anamika and Prabhani Kranti have distinguishing character as medium leaf blade depth of lobing and medium flowering time	
D. Date of commercialization of the variety	-

E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: early/medium/late	1-A, Crop maturity 120-130 days 1-B, Days to initiation of harvesting as a vegetable fruit 40 days in monsoon and 50 days in Summer.
2.	Production condition: suitability area in the country	It can be grown in any part of country except J&K.
	:Time of sowing	<i>Kharif</i> : last week of May Summer: last week of January
	:Irrigated/rainfed	<i>Kharif</i> : Rainfed Summer: Irrigated
	:Low fertility/high fertility of soil	Medium to high fertile soil
3.	Tolerance to adverse Temperature/ Frost & Heat- Sensitive/Tolerance	Tolerance to adverse Temperature
4.	Tolerance to water Stagnation: Sensitive/ Tolerant	Sensitive to water Stagnation
5.	Resistance/Tolerance to Pest/s	Not recorded
6.	Staking & Pruning Practices	Not necessary
7.	Winter- Spring cropping seasons Type	-
8.	Fruit Yield q/ac	<i>Kharif</i> : 52-56 q/ac Summer: 40-44 q/ac
9.	Fruit Yield/plant (Kg/ha) (average)	<i>Kharif</i> : 1500- 1700g/plant Summer: 1000-1200g/plant
10.	Fruit quality and fruit firmness	7-8 inches long fruit with reddish colour
11.	Fruit Picking Schedule	3 to 4 days interval
12.	Transport Potential (Days)	3 to 4 days shelf life
13.	Unique Selling Proposition and Optimal Shelf-life (Days)	7-8 days
14.	Any other relevant information specific to the variety	More demand in market as it is nutritious and less sticky after cooking

40. Application No.

E1	HV14	17	1457
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 filed on 04.05.2017 by **Indian Council of Agricultural Research Krishi Bhawan, New Delhi-110001** or a Extant (Notified) variety of crop **Barley (*Hordeum vulgare* L.)** having denomination **DWRB 123 (Central Barley DWRB 123)** 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-10 012.

Passport data of the variety : DWRB 123 (Central Barley DWRB 123)
Applicant : Indian Council of Agricultural Research
Address of the applicant : Krishi Bhawan, NEW Delhi- 110001
Nationality of applicant : Indian
Application details
a. Number :

E1	HV14	17	1457
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b. Date of receipt : 04.05.2017
c. Date of acceptance : --
Crop (taxonomical lineage) : Barley (*Hordeum vulgare* L.)
Denomination : DWRB123 (Central Barley DWRB123)
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : DWRUB54 x DWR51
Source of parental material : Own germplasm
Name of reference varieties : DWRB101 and DWRB92BN
Notification details : Notification no. S.O. 1007 (E), dated: 30/03/2017

Variety description:

A. Grouping characteristics	Remarks (measured values)
Stem: Basal pigmentation (Characteristic 2)	Absent
Auricle: Anthocyanin pigmentation (Characteristic 3)	Absent
Spike emergence (Characteristic 7)	Medium
Spike type (row number) (Characteristic 8)	2-row
Plant height (Characteristic 20)	Medium
Spike density (Characteristic 25)	Intermediate
Grain hullness (Characteristic 26)	Hulled
Grain: colour (Characteristic 27)	Yellow
B. Distinct characteristics of candidate variety: DWRB123 (Central Barley DWRB123): It has distinguishing characters as rudimentary lateral florets (two-row barley), spike waxiness absent, pale green spike colour, hulled grain hullness, large grain size	
C. Distinct characteristics of reference varieties: DWRB101: It has distinguishing characters as rudimentary lateral florets (two-row barley), spike waxiness present, green spike colour, covered hulled grain hullness, large	

grain size.		
DWRB92: It has distinguishing characters as developed lateral florets (two-row barley), absent spike waxiness, pale green spike colour, hulled grain hullness, very large grain size,		
D. Date of commercialization of the variety		16.11.2016
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	North Eastern Plain Zone (Punjab, Haryana Rajasthan, Western UP)
	: Time of Sowing	
	: Irrigated/ Rainfed	Irrigated
	: Low fertility / High fertility of soil	
3.	Tolerance to adverse Temperature/Frost & Heat- Sensitive/ Tolerance	-
4.	Tolerance to Disease & Pests	Tolerant
5.	Grain Characters Physical:	-
	a) Kernel Size (cm)	-
	b) Seed Luster (Present/Absent)	-
	c) Seed colour	Yellow
6.	Zone Wise Yield Potential (Average) per acre (q/Acre)	-
7.	Seed yield q/ac (average)	19.48 q/ac
8.	Seed: Weight (100 seed weight in g)	-
9.	Any other relevant information specific to the variety/hybrid	-

41. Application No.

E1	SB7	18	598
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 filed on 04.07.2018 by **CCS Haryana Agricultural University, Director of Research, CCS Haryana Agricultural University, Hisar-125004** for a **Extant (Notified)** variety of crop **Sorghum** (*Sorghum bicolor* L. (Moench)) having denomination **HJ 541** 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 : HJ 541
Applicant : CCS Haryana Agricultural University
Address of the applicant : Director of Research CCS Haryana Agricultural University, Hisar-125004
Nationality of applicant : Indian
Application details
a. Number :

E1	SB7	18	598
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b. Date of receipt : 04.07.2018
c. Date of acceptance : --
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* L. (Moench))
Denomination : HJ 541
Type of variety : Extant (Notified)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : SPV 80 x 29/1 (P20-1-1-2)
Source of parental material : Selection from S 241 (SPV 80 x 29/1 (P20-1-1-2))
Name of reference varieties : HJ 513, HC 308
Notification details : Notification no. S.O. 1146(E), dated: 24/04/2014

Variety description:

A. Grouping characteristics	Remarks (measured values)
Type of sorghum: Grain/Forage/Sweet sorghum	Forage
Season of adaptation: <i>Kharif</i> (Rainy season)/Rabi (Post-rainy season)	<i>Kharif</i> season
Plant: Total height at maturity (Characteristic 14)	Very tall
Plant: Time to 50% flowering (50% of the plants with 50% anthesis) (Characteristic 3)	Early
Panicle: Shape (Characteristic 21)	Symmetric
Grain: Colour after threshing (Characteristic 26)	White
B. Distinct characteristics of candidate variety:	
HJ 541: It has distinguishing characters as yellow green seedling anthocyanin colouration of coleoptile, yellow green leaf mid rib colour, yellow orange colour of dry anther, early time of panicle emergence, short panicle length without peduncle, symmetric panicle shape, white caryopsis colour after threshing, medium 1000 grain weight.	
C. Distinct characteristics of reference varieties:	
HJ 513: It has distinguishing characters as yellow green seedling anthocyanin colouration of coleoptile, white leaf mid rib colour, orange colour of dry anther, very late time of panicle emergence, long panicle length without peduncle, panicle broader in lower part panicle shape, yellow white caryopsis colour after threshing, low 1000 grain weight.	

HC 308: It has distinguishing characters as grayed purple seedling anthocyanin colouration of coleoptile, yellow green leaf mid rib colour, orange colour of dry anther, late time of panicle emergence, medium panicle length without peduncle, symmetric panicle shape, yellow white caryopsis colour after threshing, low 1000 grain weight.		
D. Date of commercialization of the variety		24/04/2014
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	Haryana
	: Time of sowing	<i>Kharif</i> season
	: Irrigated/Rainfed	Suitable for both
	: Low fertility/ High fertility of the soil	
3.	Tolerance to Disease & Pests	Tolerant
4.	Tolerance to adverse Temperature/ Frost & Heat & Salinity	-
5.	Grain Characters Physical:	
	a) Kernel Size (cm)	-
	b) Seed Luster (Present/ Absent)	Present
	c) Seed colour	White
6.	Zone Wise Yield Potential (Average) per acre (q/ac)	-
7.	Seed Yield q/ac (Average)	7.2 - 8 q/ac
8.	Seed: Weight (100 seeds weight in g)	-
9.	Any other relevant information specific to the variety / hybrid	-

42. Application No.

E1	PE1	18	122
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 filed on 21.03.2018 by **Director of Research, Mahatma Phule Krishi Vidhyapeeth & Rahuri – 413722, Dist: Ahmednagar** for a **Extant (Notified)** variety of crop **Little Millet (*Panicum sumatrense* R.)** having denomination **PHULE EKADASHI (KOPLM 83)** 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 KADASHI (KOPLM 83)
Applicant : Mahatma Phule Krishi Vidyapeeth, Rahuri
Address of the applicant : Director of Research, Mahatma Phule Krishi Vidhyapeeth
 Rahuri – 413722, Dist: Ahmednagar
 Nationality of applicant : Indian
Application details
 a. Number :

E1	PE1	18	122
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 b. Date of receipt : 21.03.2018
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Little millet (*Panicum sumatrense* R.)
 Denomination : PHULE KADASHI (KOPLM 83)
 Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : Selection from local germplasm number 83
 Source of parental material : -
 Name of reference varieties : OLM 203
 Notification details : Notification no. S.O. 3540(E), dated: 22/11/2016

Variety description:

A. Grouping characteristics		Remarks (measured values)
Days to 50% flowering (Characteristic 3)		Late group (85-95 days)
Plant: Pigmentation at leaf sheath (Characteristic 4)		Absent
Inflorescence: Shape (Characteristic 8)		Arched
Panicle: Compactness (Characteristic 14)		Compact
Grain : Colour (Characteristic 18)		Light brown
B. Distinct characteristics of candidate variety: PHULE EKADASHI (KOPLM 83): It has distinguishing characters as short peduncle length, light brown grain colour, dark green leaf colour.		
C. Distinct characteristics of reference varieties: OLM 203: It has distinguishing characters as medium peduncle length, cream grain colour, green leaf colour		
D. Date of commercialization of the variety		22.011.2016
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to Maturity: Early/ Medium/ Late	Late 120-130
2.	Production condition: Suitability Area in the Country	Sub montane and western ghat zone of Maharashtra
	: Time of sowing	June-July
	: Irrigated/Rainfed	Rainfed
	: Low fertility/ High fertility of the soil	Low fertility

3.	Resistance/ Tolerance to Disease & Pests	Moderately resistant to neck blast No major pest observed
4.	Tolerance to adverse Temperature/ Frost & Heat & Salinity	-
5.	Grain Characters Physical:	
	a) Kernel size	21.5cm
	b) Seed luster (Present/Absent)	Present
	c) Seed colour	Shiny brown
6.	Zone wise Yield Potential (Average) per acre (q/ac)	-
7.	Seed Yield q/ac (Average)	5.04 q/ac
8.	Seed weight (1000 seeds weight in g)	1.617 g
9.	Any other relevant information specific to the variety/hybrid (Low/Medium/High water Use Efficient Type)	-

43. Application No.

E1	PE1	19	12
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 filed on 11.02.2019 by **Navsari Agricultural University, Director of Researchm, Navsari Agricultural University, Navsari- 396450** for a **Extant (Notified)** variety of crop **Little millet (*Panicum miliare* L.)** having denomination **GNV-3**, 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 : GNV-3
Applicant : Navsari Agricultural University
Address of the applicant : Director of Research, Navsari Agricultural University,
Navsari-396450, Gujarat

Nationality of applicant : Indian

Application details

a. Number :

E1	PE1	19	12
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b. Date of receipt : 11.02.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Little millet (*Panicum miliare* L.)
Denomination : GNV-3

Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination
 Name of parental material : WV-125
 Source of parental material : Local Germplasm collected from Dangs District
 Name of reference varieties : GV-2
 Notification details : Notification no. S.O. 1379 (E), dated: 27/03/2018

Variety description:

A. Grouping characteristics		Remarks (measured values)
Days to 50% flowering (Characteristic 3)		Late (>50)
Plant: Pigmentation at leaf sheath (Characteristic 4)		Present
Inflorescence: Shape (Characteristic 8)		Arched
Panicle: Compactness (Characteristic 14)		Compact
Grain : Colour (Characteristic 18)		Straw white/ Cream
B. Distinct characteristics of candidate variety: GNV-3: It has distinguishing characters as compact panicle compactness, pigmentation on stem present, medium days to maturity		
C. Distinct characteristics of reference varieties: GV-2: It has distinguishing characters as intermediate panical compactness, pigmentation on stem absent, late days to maturity		
D. Date of commercialization of the variety		27.03.2018
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Days to flowering/Anthesis (Average)	70 days
2.	Days to Physiological Maturity (Average)	115 days
3.	Seed rate per acre	2.0 kg
4.	Recommended Nutrition /acre schedule to attain potential yield and time of application	
	a) Organic (Per Acre)	FYM 4t
	b) Inorganic (Per Acre)	16:8:0 (NPK)
	c) Other fertilizers per acre	NIL
5.	Spacing (cm) requirement to attain potential yield	
	Row to Row	30cm
	Plan to Plant	10cm
6.	Soil requirement to attain the potential yield	pH 6.5-7.5 Level/Slopy land with medium depth soil is desirable
7.	Plant protection measures to attain	As per requirement

	the potential yield	
8.	Sowing Window requirement to attain potential yield (Zone Wise)	Nursery: Onset of monsoon (5 th to 30 th June) Transplanting: 1 st to 20 th July
9.	Number of irrigation required to attain potential yield	Rainfed ecology
10.	The best growing season to attain Potential Yield (Zone wise)	<i>Kharif</i>
11.	Climate Zone of India in which the variety/Hybrid trials were conducted	Gujarat Plains and Hilly No. 13 & in Gujarat Agro climatic Zone-I, II, & III <i>i.e.</i> Hilly /Tribal little millet growing region of Gujarat
12.	Intercultural operation (including Training, Pruning & Nipping)	NIL
13.	Any other relevant information specific to the variety/Hybrid	NIL
S. no.	Commercial attributes	Details
1.	Zone wise Yield Potential (Average) per acre (q/ac) (if applicable)	11.50 q/ac
2.	Seed Yield/ac (Average)	11.6 q/ac

44. Application No.

E1	EL1	19	13
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 filed on 11.02.2019 by **Director of Research Navsari, Navsari Agricultural University, Gujarat** for a **Extant (Notified)** variety of crop **Finger millet (*Eleusine coracana* L.)** having denomination **GNN-7** 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 : GNN-7
Applicant : Navsari Agricultural University
Address of the applicant : Director of Research, Navsari Agricultural University,
Navsari- 396 450, Gujrat
Nationality of applicant : Indian
Application details
a. Number :

E1	EL1	19	13
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b. Date of receipt : 11.02.2019
c. Date of acceptance : --
Crop (taxonomical lineage) : Finger millet (*Eleusine coracana* L.)
Denomination : GNN-7
Type of variety : Extant (Notified)

Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination
 Name of parental material : Local germplasm
 Source of parental material : Landrace of Nagli collected from Awha - Dangs District
 Name of reference varieties : GN-5
 Notification details : Notification no. S.O. 2805 (E), dated: 25/08/2017

Variety description:

A. Grouping characteristics		Remarks (measured values)
<i>Kharif</i> , Summer or Rabi Adaptation		<i>Kharif</i>
Plant: Pigmentation at leaf juncture (Characteristic 2)		Absent
Days to 50 percent flowering (Characteristic 4)		Late (90 days)
Ear : Shape (Characteristic 10)		Semi- compact
Finger: Branching (Characteristic 11)		Present
Seed: Colour (Characteristic 23)		White
B. Distinct characteristics of candidate variety: GNN-7: It has distinguishing characters as semi-compact ear shape, finger branching present, short to medium ear head length, medium finger length, medium finger width, high number of fingers on main ear head.		
C. Distinct characteristics of reference varieties: GN-5: It has distinguishing characters as open ear shape, finger branching absent, medium ear head length, long finger length, wide finger width, medium number of fingers on main ear head.		
D. Date of commercialization of the variety		21.06.2017
E. Agronomic and commercial attributes		
S.No.	Agronomic attributes	Details
1.	Days to flowering/Anthesis (Average)	97 days
2.	Days to Physiological Maturity (Average)	125days
3.	Seed rate per acre	2.0 kg
4.	Recommended Nutrition /acre schedule to attain potential yield and time of application	
	a) Organic (Per Acre)	FYM 4t
	b) Inorganic (Per Acre)	16:8:0 (N:P:K)
	c) Other fertilizers per acre	NIL
5.	Spacing (cm) requirement to attain potential yield	
	Row to Row	30cm
	Plant to Plant	7.5cm
6.	Soil requirement to attain the	pH 6.5 to 7.5

	potential yield	Level/ Slopy land with Medium depth soil is desirable
7.	Plant protection measures to attain the potential yield	As per requirement
8.	Sowing Window requirement to attain potential yield (Zone Wise)	Nursery: Onset of monsoon (15 th to 30 th June) Transplanting: 1 st to 20 th July
9.	Number of irrigation required to attain potential yield	Rainfed ecology
10.	The best growing season to attain Potential Yield (Zonewise)	<i>Kharif</i>
11.	Climate Zone of India in which the variety/Hybrid trials were conducted	Gujarat Plains and Hilly No. 13 & in Gujarat Agro climatic Zone-I, II, & III <i>i.e.</i> Hilly/Tribal little millet growing region of Gujarat
12.	Intercultural operation (including Training, Pruning & Nipping)	Nil
13.	Any other relevant information specific to the variety/Hybrid	Nil
Commercial Attributes		
1.	Zone wise Yield Potential (Average) per acre (q/Acre) (if applicable)	8.35 q/ ac
2.	Seed Yield/ac (Average)	10q/ac

45. Application No.

E1	EL3	18	94
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 filed on 01.03.2018 by **Director of Research, Mahatma Phule Krishi Vidyapeeth, Rahuri 413722, Dist. Ahmednagar, Maharashtra**, for a **Extant (Notified)** variety of crop **Finger millet** (*Eleusine coracana* L. Gaertn.) having denomination **PHULE NACHANI (KOPN 235)** 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 NACHANI (KOPN 235)
Applicant : Mahatma Phule Krishi Vidyapeeth
Address of the applicant : Director of Research, Mahatma Phule Krishi Vidyapeeth, Rahuri 413722, Dist. Ahmednagar, Maharashtra
Nationality of applicant : Indian
Application details
a. Number :

E1	EL3	18	94
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b. Date of receipt : 01.03.2018

c. Date of acceptance : --
 Crop (taxonomical lineage) : Finger millet (*Eleusine coracana* L. Gaertn.)
 Denomination : PHULE NACHANI (KOPN 235)
 Type of variety : Extant (Notified)
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : Selection from local germplasm Number 235
 Source of parental material : Local germplasm
 Name of reference varieties : PR 202
 Notification details : Notification no. S.O. 1919 (E), dated: 30.07.2014

Variety description:

A. Grouping characteristics		Remarks (measured values)
<i>Kharif</i> , Summer or Rabi Adaptation		<i>Kharif</i>
Plant: Pigmentation at leaf juncture (Characteristic 2)		Absent
Days to 50 percent flowering (Characteristic 4)		Late (80-85 days)
Ear : Shape (Characteristic 10)		Semi compact
Finger: Branching (Characteristic 11)		Absent
Seed: Colour (Characteristic 23)		Light brown
B. Distinct characteristics of candidate variety: PHULE NACHANI (KOPN 235): It has distinguishing characters as semi-compact ear shape, long ear head length, long finger length, low number of productive tillers per plant, medium plant height at maturity, light brown seed colour, high 1000 grain weight		
C. Distinct characteristics of reference varieties: PR 202: It has distinguishing characters as open ear shape, medium ear head length, medium finger length, medium number of productive tillers per plant, short plant height at maturity, brown seed colour, medium 1000 grain weight		
D. Date of commercialization of the variety		30.07.2014.
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Late (115-120 days)
2.	Production condition: Suitability Area in the Country	Sub mountain and Western Ghat zone of Maharashtra
	:Time of Sowing	June-July
	: Irrigated/ Rainfed	Rainfed
	: Low fertility/High fertility of soil	Low fertility/High fertility
3.	Tolerance to Disease & Pests	Highly resistant to Neck Leaf blast and resistant to leaf blast No major pest observed
4.	Tolerance to adverse Temperature/ Frost & Heat- Sensitive/ Tolerance	-

5.	Grain character Physical:	
	b) Kernel size (cm)	6.5 to 7.5 cm
	b) Seed Luster (Present/ Absent)	Absent
	c)Seed colour	Light brown
6.	Zone Wise Yield Potential (Average) per acre (q/ac)	-
7.	Seed yield q/ac (average)	8.8 q/ac
8.	Seed: Weight (100 seed weight in g)	3.02 g
9.	Any other relevant information specific to the variety/hybrid	

46. Application No.

N24	PG28	14	1701
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 filed on 19.08.2014 by **Nirmal Seeds Pvt. Ltd., PO Box-63, Bhadgaon Road, Pachora-424201, Dist- Jalgaon** for a **NEW** variety of crop **Pearl millet** (*Pennisetum glaucum* (L.)R. Br.) having denomination **NPA-84** 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 : NPA-84
Applicant : Nirmal Seeds Pvt. Ltd.
Address of the applicant : PO Box-63, Bhadgaon Road, Pachora-424201, Dist- Jalgaon
Nationality of applicant : Indian
Application details
a. Number :

N24	PG28	14	1701
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b. Date of receipt : 19.08.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.)R. Br.)
Denomination : NPA-84
Type of variety : New
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : ICMA-94555 x NBB-84
Source of parental material : Own germplasm
Name of reference varieties : ICMB 94555 and PB 106

Variety description:

A. Group characteristics	Remarks (measured values)
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Plant: Time of spike emergence (50% plants with at least one spike emerged fully) (Characteristic 3)	Medium (47-50)	
Spike: Anther colour (Characteristic 9)	Yellow	
Plant: Height (Characteristic 22)	Short (101-150)	
Spike: Shape (Characteristic 23)	Lanceolate	
Seed: Colour (Characteristic 26)	Grey brown	
Seed: Shape (Characteristic 27)	Globular	
B. Distinct characteristics of candidate variety: NPA-84 has distinguishing character as short (101-150cm) plant height (excluding spike)		
C. Distinct characteristics of reference varieties: ICMB 94555 has distinguishing character as very short (<101) plant height (excluding spike) PB 106 has distinguishing character as medium (151-200) plant height (excluding spike)		
D. Date of commercialization of the variety	-	
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	B zone
3.	: Time of Sowing	June-July & Dec-Jan
4.	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility
	Tolerance to Disease & Pests	High tolerant to downy mildew and blast
5.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Tolerant
7.	Grain Characters Physical: a) Kernel Size (cm) b) Seed Luster (Present/Absent) c) Seed Colour	0.33 x 0.28 cm Present Grey brown
8.	Zone Wise Yield Potential (Average) per acre (q/ac)	6 - 8 q/ac (B zone)
9.	Seed Yield q/ac (Average)	6 - 8 q/ac
10.	Seed: Weight (100 seed weight in g)	0.887 g
11.	Any other relevant information specific to the variety/hybrid	-

47. Application No.

N23	PG27	14	1700
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 filed on 19.08.2014 by **Nirmal Seeds Pvt. Ltd., PO Box-63, Bhadgaon Road, Pachora-424201, Dist- Jalgaon** for a **NEW** variety of crop **Pearl millet** (*Pennisetum glaucum*(L.)R. Br.) having denomination **NPA-168** the 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 : NPA-168
Applicant : Nirmal Seeds Pvt Ltd.
Address of the applicant : PO Box-63, Bhadgaon Road, Pachora-424201, Dist-
 Jalgaon
 Nationality of applicant : Indian
Application details
 a. Number :

N23	PG27	14	1700
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 b. Date of receipt : 19.08.2014
 c. Date of acceptance : --
 Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R. Br.)
 Denomination : NPA-168
 Type of variety : New
 Classification of variety : Typical
 Previously proposed : Not applicable
 Denomination :
 Name of parental material : ICMA-94555 x NBB-168
 Source of parental material : Own germplasm
 Name of reference varieties : ICMB 94555

Variety description:

A. Group characteristics		Remarks (measured values)
Plant: Time of spike emergence (50% plants with at least one spike emerged fully) (Characteristic 3)		Very late (>54 days)
Spike: Anther colour (Characteristic 9)		Purple
Plant: Height (Characteristic 22)		Very short (<101)
Spike: Shape (Characteristic 23)		Conical
Seed: Colour (Characteristic 26)		Grey brown
Seed: Shape (Characteristic 27)		Globular
B. Distinct characteristics of candidate variety: NPA-168 has distinguishing character as purple plant node pigmentation		
C. Distinct characteristics of reference varieties: ICMB 94555 has distinguishing character as green plant node pigmentation		
D. Date of commercialization of the variety		-
E. Agronomic and commercial attributes		
S.No.	Attributes	Details
1.	Days to maturity: Early/Medium/Late	Late
2.	Production condition: Suitability Area in the Country	B zone
3.	: Time of Sowing	June-July & Dec-Jan
4.	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility

	Tolerance to Disease & Pests	High tolerant to downy mildew
5.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Tolerant
7.	Grain Characters Physical: a) Kernel Size (cm) b) Seed Luster (Present/Absent) c) Seed Colour	0.29 x 0.27 cm Present Grey brown
8.	Zone Wise Yield Potential (Average) per acre (q/ac)	8-10 q/ac (B zone)
9.	Seed Yield q/ac (Average)	8-8.8 q/ac
	Seed: Weight (100 seed weight in g)	1.227 g
	Any other relevant information specific to the variety/hybrid	-

48. Application No.

E3	CLM3	15	923
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 filed on 12.05.2015 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India** for Extant (VCK) variety of crop **Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)** having denomination **NFS-607** 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 : NFS - 607
Applicant : Nuziveedu Seeds Ltd.
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India

Nationality of Applicant : Indian

Application details

a. Number :

E3	CLM3	15	923
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b. Date of receipt : 12.05.2015
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)
Denomination : NFS-607
Type of Variety : Extant (VCK)
Classification of Variety : Other (Parental line)
Previously proposed : Not applicable

Denomination

Name of Parental Material : Local collection from Anantapur (AP)

Source of parental material : Own germplasm

Name of reference varieties : Arka Manik, Sugar Baby.

Variety Description:

A. Group Characteristics		Remarks (measured values)
Leaf blade: degree of primary lobing (Characteristics 6)		Medium
Fruit: shape in longitudinal section(Characteristics 16)		Round
Fruit: colour of rind(Characteristics 17)		Light green
Fruit: stripes(Characteristics 19)		Weak
Fruit: size(Characteristics 22)		Small
Fruit: colour of flesh(Characteristics 23)		Light red
Seediness: number of seeds/fruit(Characteristics 24)		Medium
Seed: colour of coat(Characteristics 27)		Brown
B. Distinct characteristics of candidate variety NFS – 607 has distinguishing character as medium leaf blade degree of primary lobing, round fruit shape in longitudinal section, weak fruit stripes, small fruit size, light red fruit colour of flesh, brown seed colour of coat.		
C. Distinct characteristics of reference varieties: ArkaManik has distinguishing character as strong leaf blade degree of primary lobing, elongated globe fruit shape in longitudinal section: diffused fruit stripes, medium fruit size, light red fruit colour of flesh, black seed colour of coat. Sugar Baby has distinguishing character as medium leaf blade degree of primary lobing, flat globe fruit shape in longitudinal section, weak fruit stripes, small fruit size, dark red fruit colour of flesh:, black seed colour of coat.		
D. Date of commercialization of the variety		27.06.2006
E. Agronomic and commercial attributes		
S.no.	Attributes	Details
1.	Plant: Growth habit	Medium viny
2.	Days to Maturity	85 days
3.	Fruit: length/ diameter (cm)/ size (kg)	24 cm/22 cm/ 3kg
4.	Production Condition :Suitability Area in the country	Pan India
	Time of sowing	January to April
	Irrigated/ Rainfed	Irrigated
	Low fertility/ High fertility	High fertility
5.	Resistance/tolerance to/pests/ Disease	Moderate Tolerant
6.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
7.	Fruit weight (kg)	3
8.	Number Fruits/ Plant	2
9.	Fruit Yield/plant (kg)	6

10.	Zone Wise Yield Potential (Average) per acre (q/Acre) (if applicable)	NA
11.	Seediness: number of seed per fruit	250-300 seeds/ fruit
12.	Any other relevant value addition information specific to the variety/Hybrid in terms of trade	-

49. Application No.

E5	CLM5	15	925
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 filed on 12.05.2015 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India** for **Extant (VCK)** variety of crop **Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)** having denomination **NFS-609** the specification includes its drawing and or photograph(s) of which are given below, 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 : NFS-609
Applicant : Nuziveedu Seeds Ltd.
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India
Nationality of Applicant : Indian
Application details
a. Number :

E5	CLM5	15	925
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b. Date of receipt : 12.05.2015
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)
Denomination : NFS-609
Type of Variety : Extant (VCK)
Classification of Variety : Other (Parental line)
Previously proposed : Not applicable
Denomination :
Name of Parental Material : Local collection from Agra (UP)
Source of parental material : Own germplasm
Name of reference varieties : Arka Manik, Sugar Baby.

Variety Description:

A. Group Characteristics		Remarks (measured values)
Leaf blade: degree of primary lobing(Characteristics 6)		Medium
Fruit: shape in longitudinal section(Characteristics 16)		Elongated globe
Fruit: colour of rind(Characteristics 17)		Medium green
Fruit: stripes(Characteristics 19)		Diffused
Fruit: size(Characteristics 22)		small
Fruit: colour of flesh(Characteristics 23)		Reddish pink
Seediness: number of seeds/fruit(Characteristics 24)		Medium
Seed: colour of coat(Characteristics 27)		Grey
B. Distinct characteristics of candidate variety:		
NFS-609 has distinguishing character as medium leaf blade degree of primary lobing, elongated globe fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, small fruit size, reddish pink fruit colour of flesh, grey seed colour of coat		
C. Distinct characteristics of reference variety:		
Arka Manik has distinguishing character as strong leaf blade degree of primary lobing, elongated globe fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, medium fruit size, reddish pink fruit colour of flesh, brown seed colour of coat.		
Sugar Baby has distinguishing character as medium leaf blade degree of primary lobing, flat globe fruit shape in longitudinal section, dark green fruit colour of rind, weak fruit stripes, dark red fruit colour of flesh, black seed colour of coat.		
D. Date of commercialization of the variety		30.06.2007
E. Agronomic and commercial attributes		
S.no.	Attributes	Details
1.	Plant: Growth habit	Long viny
2.	Days to Maturity	80 days
3.	Fruit: length/ diameter (cm)/ size (kg)	22 cm/20 cm/ 3kg
4.	Production Condition :Suitability Area in the country	Pan India
	Time of sowing	January to April
	Irrigated/ Rainfed	Irrigated
	Low fertility/ High fertility	High fertility
5.	Resistance/tolerance to/pests/ Disease	Moderate Tolerant
6.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
7.	Fruit weight (kg)	3
8.	Number Fruits/ Plant	2
9.	Fruit Yield/plant (kg)	6
10.	Zone Wise Yield Potential (Average) per acre (q/Acre)	NA

	(if applicable)	
11.	Seediness: number of seed per fruit	250-300 seeds/ fruit
12.	Any other relevant value addition information specific to the variety/Hybrid in terms of trade	-

50. Application No.

E6	CLM6	15	926
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 filed on 12.05.2015 by **Nuziveedu Seeds Ltd, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India** for a **Extant (VCK)** variety of crop **Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)** having denomination **NFS-608** 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 : NFS-608
Applicant : Nuziveedu Seeds Ltd.
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India
Nationality of Applicant : Indian
Application details
a. Number :

E6	CLM6	15	926
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b. Date of receipt : 12.05.2015
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)
Denomination : NFS-608
Type of Variety : Extant (VCK)
Classification of Variety : Other (Parental line)
Previously proposed : Not applicable
Denomination :
Name of Parental Material : Local collection from Anantapur (AP)
Source of parental material : Own germplasm
Name of reference varieties : Arka Manik, Sugar Baby.

Variety Description:

A. Group Characteristics		Remarks (measured values)
Leaf blade: degree of primary lobing (Characteristics 6)		Medium
Fruit: shape in longitudinal section(Characteristics 16)		Cylindrical (Oblong)
Fruit: colour of rind(Characteristics 17)		Light green
Fruit: stripes(Characteristics 19)		Weak
Fruit: size(Characteristics 22)		Medium
Fruit: colour of flesh(Characteristics 23)		Light Red
Seediness: number of seeds/fruit(Characteristics 24)		Medium
Seed: colour of coat(Characteristics 27)		Brown
B. Distinct characteristics of candidate variety		
NFS-608 has distinguishing character as medium leaf blade degree of primary lobing, cylindrical (oblong) fruit shape in longitudinal section, light green fruit colour of rind, weak fruit stripes, medium fruit size and brown seed colour of coat.		
C. Distinct characteristics of reference variety:		
Arka Manik has distinguishing character as strong leaf blade degree of primary lobing, elongated globe fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, medium fruit size and brown seed colour of coat.		
Sugar Baby has distinguishing character as medium leaf blade degree of primary lobing, flat globe fruit shape in longitudinal section, dark green fruit colour of rind, weak fruit stripes, small fruit size, black seed colour of coat.		
D. Date of commercialization of the variety		30.06.2007
E. Agronomic and commercial attributes		
S.no.	Attributes	Details
1.	Plant: Growth habit	Long viny
2.	Days to Maturity	90 days
3.	Fruit: length/ diameter (cm)/ size (kg)	35cm /25 cm/ 5 Kg
4.	Production Condition :Suitability Area in the country	Pan India
	Time of sowing	January to April
	Irrigated/ Rainfed	Irrigated
	Low fertility/ High fertility	High fertility
5.	Resistance/tolerance to/pests/ Disease	Moderate Tolerant
6.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
7.	Fruit weight (kg)	5
8.	Number Fruits/ Plant	1.50
9.	Fruit Yield/plant (kg)	7.5

10.	Zone Wise Yield Potential (Average) per acre (q/Acre)(if applicable)	NA
11.	Seediness: number of seed per fruit	250-300 seeds/ fruit
12.	Any other relevant value addition information specific to the variety/Hybrid in terms of trade	-

51. Application No.

E6	CLM6	15	921
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 filed on 12.05.2015 by **Nuziveedu Seeds Ltd, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401. Telangana, India** for Extant (VCK) variety of crop **Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)** having denomination **NFS-606** 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 : NFS-606
Applicant : Nuziveedu Seeds Ltd.
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India
Nationality of Applicant : Indian
Application details
a. Number :

E6	CLM6	15	921
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b. Date of receipt : 12.05.2015
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)
Denomination : NFS-606
Type of Variety : Extant (VCK)
Classification of Variety : Other (Parental line)
Previously proposed : Not applicable
Denomination :
Name of Parental Material : Local collection from Agra (UP)
Source of parental material : Own germplasm
Name of reference varieties : Arka Manik, Sugar Baby

Variety Description:

A. Group Characteristics	Remarks (measured values)
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Leaf blade: degree of primary lobing (Characteristics 6)	Medium	
Fruit: shape in longitudinal section (Characteristics 16)	Cylindrical (Oblong)	
Fruit: colour of rind (Characteristics 17)	Medium green	
Fruit: stripes (Characteristics 19)	Diffused	
Fruit: size (Characteristics 22)	Medium	
Fruit: colour of flesh (Characteristics 23)	Reddish Pink	
Seediness: number of seeds/fruit (Characteristics 24)	Medium	
Seed: colour of coat (Characteristics 27)	Brown	
B. Distinct characteristics of candidate variety		
NFS-606 has distinguishing character as medium leaf blade degree of primary lobing, cylindrical (oblong) fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, reddish pink fruit colour of flesh and brown seed colour of coat.		
C. Distinct characteristics of reference variety:		
Arka Manik has distinguishing character as strong leaf blade degree of primary lobing, elongated globe fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, light red fruit colour of flesh and brown seed colour of coat.		
Sugar Baby has distinguishing character as medium leaf blade degree of primary lobing, flat globe fruit shape in longitudinal section, dark green fruit colour of rind, weak fruit stripes, dark red fruit colour of flesh, black seed colour of coat.		
D. Date of commercialization of the variety	27.06.2006	
E. Agronomic and commercial attributes		
S.no.	Attributes	Details
1.	Plant: Growth habit	Medium viny
2.	Days to Maturity	90 days
3.	Fruit: length/ diameter (cm)/ size (kg)	35-40cm /20-25 cm/ 4-5 Kg
4.	Production Condition :Suitability Area in the country	All over country
	:Time of sowing	January to March
	:Irrigated/ Rainfed	Irrigated
	:Low fertility/ High fertility	High fertility
5.	Resistance/tolerance to/pests/ Disease	Moderate tolerance to downy mildew
6.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
7.	Fruit weight (kg)	4-5
8.	Number Fruits/ Plant	1-2

9.	Fruit Yield/plant (kg)	6-8
10.	Zone Wise Yield Potential (Average) per acre (q/ac)(if applicable)	NA
11.	Seediness: number of seed per fruit	200-250 seeds/ fruit
12.	Any other relevant value addition information specific to the variety/Hybrid in terms of trade	NA

52. Application No.

E2	CLM2	15	922
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 filed on 12.05.2015 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India** for **Extant (VCK)** variety of crop **Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)** having denomination **NWH-801** 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 : NWH-801
Applicant : Nuziveedu Seeds Ltd.
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India
Nationality of Applicant : Indian
Application details
a. Number :

E2	CLM2	15	922
----	------	----	-----

b. Date of receipt : 12.05.2015
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Watermelon (*Citrullus lanatus* (Thunb.) Mansf.)
Denomination : NWH-801
Type of Variety : Extant (VCK)
Classification of Variety : Hybrid
Previously proposed : Not applicable
Denomination :
Name of Parental Material : NFS-606 X NFS-607
Source of parental material : Own germplasm
Name of reference varieties : Arka Manik, Sugar Baby

Variety Description:

A. Group Characteristics		Remarks (measured values)
Leaf blade: degree of primary lobbing (Characteristics 6)		Medium
Fruit: shape in longitudinal section (Characteristics 16)		Cylindrical (Oblong)
Fruit: colour of rind (Characteristics 17)		Medium green
Fruit: stripes (Characteristics 19)		Diffused
Fruit: size (Characteristics 22)		Medium
Fruit: colour of flesh (Characteristics 23)		Light red
Seediness: number of seeds/fruit(Characteristics 24)		Medium
Seed: colour of coat(Characteristics 27)		Brown
B. Distinct characteristics of candidate variety:		
NWH-801 has distinguishing character as medium leaf blade degree of primary lobbing, cylindrical (oblong) fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, large fruit size and brown seed colour of coat		
C. Distinct characteristics of reference variety:		
Arka Manik has distinguishing character as strong leaf blade degree of primary lobbing, elongated globe fruit shape in longitudinal section, medium green fruit colour of rind, diffused fruit stripes, medium fruit size and brown seed colour of coat		
Sugar Baby has distinguishing character as medium leaf blade degree of primary lobbing, flat globe fruit shape in longitudinal section, dark green fruit colour of rind, weak fruit stripes, small fruit size and black seed colour of coat.		
D. Date of commercialization of the variety		27.06.2006
E. Agronomic and commercial attributes		
S.no.	Attributes	Details
1.	Plant: Growth habit	Long viny
2.	Days to Maturity	100
3.	Fruit: length/ diameter (cm)/ size (kg)	35 /24 / 8
4.	Production Condition :Suitability Area in the country	Pan India
	:Time of sowing	January to April
	:Irrigated/ Rainfed	Irrigated
	:Low fertility/ High fertility	High fertility
5.	Resistance/tolerance to/pests/ Disease	Moderate Tolerant
6.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
7.	Fruit weight (kg)	8

8.	Number Fruits/ Plant	1.2
9.	Fruit Yield/plant (kg)	10
10.	Zone Wise Yield Potential (Average) per acre (q/Acre)(if applicable)	600
11.	Seediness: number of seed per fruit	250-300 seeds/ fruit
12.	Any other relevant value addition information specific to the variety/Hybrid in terms of trade	-

Guidelines
for the conduct of Test for
the Distinctiveness, Uniformity and Stability
on
Cowpea
(*Vigna unguiculata* (L.) Walp. ssp. *unguiculata* and *Vigna*
***unguiculata* (L.) Walp. ssp. *sesquipedalis* (L.) Verdc.)**



पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
Protection of Plant Varieties & Farmers' Rights Authority
(PPV&FRA)
भारत सरकार
Government of India

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I. Subject

These test guidelines shall apply to all varieties, hybrids and parental lines of Cowpea *Vigna unguiculata* (L.) Walp. ssp. *unguiculata* and *Vigna unguiculata* (L.) Walp. ssp. *sesquipedalis* (L.) Verdc.) for three distinct types

- A. Grain cowpea
- B. Vegetable cowpea
- C. Fodder cowpea

II. Seed material required

1. The Protection of Plant Varieties and Farmers' Rights Authority (PPV & FRA) shall decide when, where and in what quantity and quality of the seed material are required for testing a variety denomination applied for registration under the Protection of Plant Variety and Farmers' Rights (PPV & FR) Act, 2001. Applicants submitting such seed material from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations and regulations are complied with. The minimum quantity of the seed to be provided by the applicant shall be 1000 gram in the case of the candidate variety. Each of these seed lots shall be packed and sealed in ten equal weighing packets and submitted in one lot.
2. The seed submitted shall have at least 95 % germination, 98% physical purity, highest genetic purity, uniformity, sanitary and phyto-sanitary standards. In addition, the moisture content of the seed shall not exceed 9% to meet the safe storage requirement. The applicant shall also submit along with the seed a certified data on germination test made not more than one month prior to the date of submission.
3. The seed material shall not have been subjected to any chemical or bio-physical treatment.

III. Conduct of tests

1. The minimum duration of the DUS tests shall normally be at least two independent similar growing seasons.
2. The test shall normally be conducted at least at two test locations. If any essential characteristics of the candidate variety are not expressed for visual observation at these locations, the variety shall be considered for further examination at another appropriate test site or under special test protocol on expressed request of the applicant.
3. The field tests shall be carried out under conditions favouring normal growth and expression of all test characteristics. The size of the plots shall be such that plants or parts

of plants could be removed for measurement and observation without prejudicing the other observations on the standing plants until the end of the growing period. Each test shall include about 180 plants for Vegetable (Pole type) cowpea and 600 plants for each of the categories *viz.*, Grain, Vegetable (Bush type) and Fodder cowpea in the plot size and planting space specified below across three replications. Separate plots for observation and measurement can only be used if they have been subjected to similar environmental conditions. All the replications shall be sharing similar environmental conditions of the test location.

4 Test plot design

Number of rows	:	4
Row length	:	5 m
Row to row distance	:	A) Grain type Cowpea- 45 cm B) Vegetable Cowpea i) 60 cm for bush type ii) 150 cm for pole type C) Fodder Cowpea - 30 cm
Plant to plant distance	:	A) Grain type - 10 cm B) Vegetable type i) 10 cm for bush ii) 30 cm for pole type C) Fodder type - 10 cm
Expected plants/replication	:	200 for Grain type 200 for Vegetable bush type 60 for Vegetable Pole type 200 for Fodder type
Number of replications	:	3

5. Observations shall not be recorded on plants in border rows.

6. Additional test protocols for special purpose shall be established by the PPV & FR Authority.

IV. Methods and observations

1. The characteristics described shall be used for the testing of varieties for their DUS under three categories mentioned in the Table of characteristics (see section VII) as follows
 - A. Descriptors for Grain cowpea
 - B. Descriptors for Vegetable cowpea
 - C. Descriptors for Fodder cowpea
2. For the assessment of Distinctiveness and stability observations shall be made on 30 plants or parts of 30 plants, which shall be equally divided among 3 replications (10 plants per replication).
3. For the assessment of uniformity of characteristics on the plot as a whole, which shall be done by single visual observation of a group of plants or parts of plant a population standard of 0.5% with an acceptance probability of at least 95%, shall be applied. In the case of a sample size of 250 plants, the number of off-types shall not exceed 4.
4. For the assessment of all colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.

V. Grouping characteristics

1. The candidate varieties for DUS testing shall be divided into groups to facilitate the assessment of Distinctiveness. Characteristics, which are known from experience not to vary, or to vary only slightly within a variety and which in their various states are fairly evenly distributed across all varieties in the collection are suitable for grouping purposes.
2. The characteristics are proposed to be used for grouping cowpea varieties as follows:
 - A : Grain cowpea
 - B : Vegetable cowpea
 - C : Fodder cowpea

A. Grain cowpea

- a) Days to 50% flowering (Characteristic 3)
- b) Plant growth habit (Characteristic 4)
- c) Plant twining tendency (Characteristic 9)
- d) Pod length (cm) (Characteristic 13)
- e) Seed eye colour (Characteristic 19)
- f) Seed colour (Main colour- colour of largest area of seed) (Characteristic 22)

B. Vegetable cowpea

- a) Days to 50% flowering (Characteristic 1)
- b) Growth habit (Characteristic 2)
- c) Plant type (Characteristic 3)
- d) Pod colour (Characteristic 6)
- e) Pod length (cm) (Characteristic 9)
- f) Pod thickness (Characteristic 10)
- g) Pod stringiness (Characteristic 11)

C. Fodder Cowpea

- a) Plant height (cm) (Characteristic 1)
- b) Number of primary branches per plant (numbers) (Characteristic 2)
- c) Days to 10% flowering (Characteristic 3)
- d) Growth habit (Characteristic 6)

VI. Characteristics and symbols

1. To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of characteristics (Section VII) shall be used.
2. Note (0 to 11) shall be used to describe the state of each character for the purpose of digital data processing.
3. Legend:
 - (*) Characteristics that shall be observed during every growing season on all varieties and shall always be included in the description of the variety, except when the state of expression of any of these characters is rendered impossible by a preceding phenological characteristic or by the environmental conditions of the testing region. Under such exceptional situation, adequate explanation shall be provided.
 - (+) See Explanation on the Table of characteristics in Section VIII. It is to be noted that for certain characteristics the plant parts on which observations to be taken are given in the explanation or figure(s) for clarity and not the colour variation.
4. The optimum stage of plant growth for assessment of each characteristic is given in the sixth column of Table of characteristics.
5. Type of assessment of characteristics indicated in column seven of Table of characteristics is as follows:

MG : Measurement by a single observation of a group of plants or parts of

plants

MS : Measurement of a number of individual plants or parts of plants

VG : Visual assessment by a single observation of a group of plants or parts of plants

VS : Visual assessment by observation of individual plants or parts of plants

A. Descriptors for Grain Cowpea

S. No	Characteristics	States	Note	Example varieties	Stage of observation	Type of assessment
1	2	3	4	5	6	7
1. (*)	Stem: Colour	Green	3	GC3, Phule CP-05040	30 Days after sowing	VG
		Light purple	5	--		
		Purple	7	DCS47-1, DC15		
2. (*)	Stem: Pubescence	Absent	1	RC101, DC15, Pant Lobia-5, IC257428 IC243489	30 Days after sowing	VG
		Present	9	IC249585, IC259106		
3. (*)	Days to 50% flowering	Early (<40 days)	3	Pant Lobia-1, Pant Lobia-3, Pant Lobia-4, RC101	50% of plants with at least one open flower (40-55 DAS)	VG
		Medium (40-55 days)	5	TPTC29, DC15		
		Late (>55 days)	7	Goa cowpea 3		
4. (*) (+)	Plant: Growth habit	Erect	3	V118, Pant Lobia-1	Days to 50% flowering (40-55 DAS)	VG
		Semi-erect	5	Pant Lobia 3, DC15, RC101		
		Spreading/Horizontal	7			
5. (*)	Leaf: Colour	Green	3	Pant Lobia-5, DC15, IC209175	Days to 50% flowering (40-55 DAS)	VG
		Dark green	5	DCS47-1, IC202791		
6. (*)	Leaf: Surface	Glabrous	1	Gujarat Cowpea-3, RC101, CPD-119, DC15	Days to 50% flowering (40-55 DAS)	VG
		Pubescent	9	---		
7. (*) (+)	Leaflet: Shape (fully expanded penultimate matured leaf from tip of plant)	Hastate	1	EC309500	Days to 50% flowering (40-55 DAS)	VG
		Sub-hastate	2	EC390248, V118		
		Sub-globose	3	C152, RC-19, RC-101, DCS47-1, PCP 0306-1, KBC5, KBC6, KBC9		
		Globose	4	EC390228		
8. (*)	Flower: Colour (Vexillum colour)	Yellow	3	Bhagyalakshmi, Black eye cowpea	Days to 50% flowering (40-55 DAS)	VG
		White	5	Pant Lobia 1, Pant Lobia 4		
		Purple	7	Pant Lobia 2, Pant Lobia 3, Pant Lobia 5,		

				DC15		
9. (*)	Plant : Twining tendency	Absent	1	RC101, V118, IC202868	Grand growth stage (30-45 DAS)	VG
		Present	9	GC3, IC202918		
10.	Pods per plant	Low (<15)	1	V118, Goa Cowpea 3	At Physiological Maturity stage (60-90 DAS)	MS
		High (>15)	9	DC15, Pant Lobia- 2, Pant Lobia-4, Phule CP-05040, PCP 0306- 1, CPD-119		
11. (*) (+)	Pod: Attachment to peduncle	Pendant	3	DC15, RC101, KBC9, TPTC29	Fully developed green pod stage (60-75 DAS)	VS
		Erect	7	V118		
12. (*) (+)	Pod: Shape	Straight	1	DC15, KBC9, Phule CP-05040, TPTC29	At Physiological Maturity stage (60-90 DAS)	VG
		Curved	3	IC202790		
		Horse shoe shaped	5	Jawhar Local		
13. (*) (+)	Pod: Length (cm)	Short (<15 cm)	3	V118, GC3, RC101, C152, Pant Lobia-1	At Physiological Maturity stage (60-90 DAS)	MS
		Medium (15-25 cm)	5	DC15, Pant Lobia 5, Pant Lobia 3, Pant Lobia 4, CPD119, DCS47-1		
		Long (25-35 cm)	7	Goa Cowpea 3		
14. (*)	Immature pod: colour	Green	3	RC101, GC3, KBC8, KBC9, Co (CP-7)	Pod initiation stage (40- 60 DAS)	VG
		Dark green	5	IC198329, IC249137		
15.	Pod: Anthocyanin pigmentation at tip	Absent	1	RC101, GC3, GC4, DC15	Immature pod stage (55-75 DAS)	VG
		Present	9	IC202919		
16. (*)	Days to maturity	Early (<70 days)	3	RC101, Pant Lobia-1 Pant Lobia-3 Pant Lobia-5, RC-19, GC5, Hisar Cowpea 46	At Physiological Maturity stage (60-90 DAS)	MG
		Medium (70 – 85 days)	5	DC15, Phule CP- 05040, Pant Lobia-2		

		Late (>85 days)	7	Goa Cowpea- 3, Gujarat Cowpea-3		
17.	Seed crowding in a pod	Absent	1	DC15, TPTC-29	At Physiological Maturity stage (60-90 DAS)	VS
		Present	9	Black eye pea, IC202849		
18. (*)	Seeds per pod	Low (<14)	3	V118, GC3, RC101, C152, Pant Lobia-1	At Physiological Maturity stage (60-90 DAS)	VS
		Medium (14-18)	5	Pant, Lobia 3, Pant Lobia 4, Pant Lobia-5, CPD119, Phule CP-05040		
		high (>18)	7	Goa Cowpea 3 DC15, DCS47-1, KBC9		
19. (*)	Seed: Eye colour	Tan Brown	3	IC257452	At Physiological Maturity stage (60-90 DAS)	VG
		Red	5	GC3		
		Black	7	Pant Lobia-1, Pant Lobia-3, Pant Lobia-4, black eye cowpea		
20.	Seed: Length (mm)	Short (< 5 mm)	3	GC3	At Physiological Maturity stage (60-90 DAS)	MG
		Medium (5-10 mm)	5	DC15, DCS47-1, KBC9		
		Long (>10 mm)	7	Goa Cowpea-3		
21. (*) (+)	Seed: Shape	Kidney	3	Pant Lobia 3, Pant Lobia 4	At Physiological Maturity stage (60-90 DAS)	VG
		Elliptical	5	TPTC29, KBC9, DC15, Pant Lobia 5		
		Rhomboid	7	---		
22. (*)	Seed: Colour (Main colour- colour of largest area of seed)	White	1	Pant Lobia-1, Pant Lobia-1, Gujarat cowpea-3	At Physiological Maturity stage (60-90 DAS)	VG
		Brown	3	DC15, DCS47-1, Pant Lobia-3, Pant Lobia-5, Co (CP-7)		
		Red	5	Pant Lobia-1, IC202762		
		Black	7	EC390219, IC257452		

23. (* (*)	Seed: Test weight (weight of 100 seeds in grams)	Small (<7g)	3	RC101, GC3	At Physiological Maturity stage (60-90 DAS)	MG
		Medium (7-10g)	5	DC15, DCS47-1, KBC9		
		Large (>10g)	7	Goa cowpea-3		
24. (* (+)	Peduncle: Length (cm)	Short (<60 cm)	3	DC15, Pant lobia-3, Phule CP-05040	Pod initiation stage (40- 60 DAS)	VG
		Long (60-80cm)	5	IC202919		
		Extra long (80-90 cm)	7	IC209165		

B. Descriptors for Vegetable Cowpea

S.No	Characteristics	States	Note	Example varieties	Stage of observation	Type of assessment
1	2	3	4	5	6	7
1. (* (*)	Days to 50% flowering	Early (< 40 days)	3	Kashi Kanchan, Kashi Nidhi, ArkaSuman, ArkaSammruddhi	50% of plants with at least one open flower (35-60 DAS)	VG
		Medium (40-50 days)	5	Arka Garima, Bhagyalakshmi, PusaKomal, Kashi Kanchan, PKB-4		
		Late (> 50 days)	7	Lola, Vyjayanthi, ArkaMangala		
2.	Climbing tendency	None	1	Arka Suman	Days to 50% flowering (35-60 DAS)	VG
		Slight	3	PusaKomal		
		Pronounced	5	Arka Mangala, Lola		
3. (*)	Plant type	Determinate	3	Arka Suman, ArkaSammruddhi, PusaBarsathi, Kashi Gauri	Days to 50% flowering (35-60 DAS)	VG
		Indeterminate	5	Arka Mangala, Lola,		

				Vyjayanthi, Mallika		
4. (*) (+)	Plant: Growth habit	Erect/Bush	3	Arka Suman, ArkaSammruddhi	Days to 50% flowering (35-60 DAS)	VG
		Semi erect	5	S268		
		Horizontal	7	Kashi Kanchan		
		Pole type	9	ArkaMangala, Lola		
5. (*)	Twining habit	Viny	1	Lola, Arka Mangala	Days to 50% flowering (35-60 DAS)	VG
		Non viny	9	ArkaSammruddhi, Arka Suman, PusaSukomal		
6. (*)	Pod: Colour	Green	3	Arka Mangala, PKB – 6	Fully grown green pod stage (45-80 DAS)	VG
		Dark Green	5	Kashi Kanchan		
		Purple	7	Vyjayanthi		
7. (*)	Pod: Surface	Smooth	1	Arka Mangala, Kashi Kanchan	Fully grown green pod stage (45-80 DAS)	VS
		Rough	3	Arka Garima		
8. (*)	Pod: Pubescence	Absent	1	Kashi Kanchan	Fully grown green pod stage (45-80 DAS)	VS
		Present	9	Arka Garima		
9. (*)	Pod: Length (cm)	Short (<20 cm)	3	Arka Suman	Fully grown green pod stage (45-80 DAS)	VS
		Medium (20- 30 cm)	5	Kashi Kanchan, PKB – 6		
		Long (30-60 cm)	7	Arka Mangala		
		Extra long (> 60 cm)	9	Vyjayanthi, Lola		
10. (*)	Pod: Thickness (cm)	Thin (< 0.5 cm)	3	PusaBarasathi	Fully grown green pod stage (45-80 DAS)	MS
		Medium (0.5-1 cm)	5	Arka Suman, ArkaSammruddhi, PusaKomal		
		Thick (>1 cm)	7	Arka Garima		
11.	Pod:	Absent	1	Arka Mangala	Fully grown green	VS

(*)	Stringiness	Present	9	Lola, Vyjayanthi	pod stage (45-80 DAS)	
12. (*) (+)	Pod: Shape	Straight	1	Lola, Arkamangala, ArkaSammruddhi, Arka Suman, PKB-6	Fully grown green pod stage (45-80 DAS)	VG
		Curved	3	Arka Garima, PusaSukomal		
13. (*)	Pod: Maturity	Early (<50 days)	1	Arka Suman, ArkaSammruddhi	Fully grown green pod stage (45-80 DAS)	VG
		Medium (50 days)	3	PusaKomal, PusaSukomal		
		Late (> 50 days)	5	Lola, Vyjayanthi, Arka Mangala		
14 (*)	Pod: Cross section (through seed)	Cordate	1	---	Fully grown green pod stage (45-80 DAS)	VS
		Circular	3	Arka Mangala, ArkaSammruddhi, Arka Suman		
		Eight shaped	5	---		
		Oval	7	S268, Krishnamony		
15. (*)	Seeds per pod	Few (<10 seeds)	1	Arka Suman, ArkaSammruddhi	Pod maturity stage (45-80 DAS)	VS
		Medium (10-15 seeds)	3	Kashi Kanchan, Arka Garima, Podinentumani		
		High (> 15 seeds)	5	Arka Mangala, Lola		
16. (*)	Seed: Shape	Elliptical	1	Arka Garima	Physiologically matured Seed (70- 110 DAS)	VG
		Kidney	3	Arka Mangala, Kanakamony		
		Rhomboid	5	---		
17.	Seed: Length (cm)	Short (< 1cm)	3	Arka Suman, ArkaSammruddhi, PusaDophasali, PusaBarasathi,	Physiologically matured Seed (70- 110 DAS)	VG

				Kashi Kancan		
		Long (> 1cm)	5	Arka Mangala, Lola		
18.	Seed: Colour	White	1	---	Physiologically matured Seed (70- 110 DAS)	VG
(*)		Brown	3	Kashi Kanchan, Arka Mangala		
		Brick Red	5	Vyjayanthi		
		Purple	7	---		
		Black	9	Lola		
19.	Flower: Colour (Colour of vexillum)	Yellow	3	Arka Suman, Bhagyalakshmi	Days to 50% flowering (35-60 DAS)	VG
(*)		White		---		
		Violet		---		
			7			

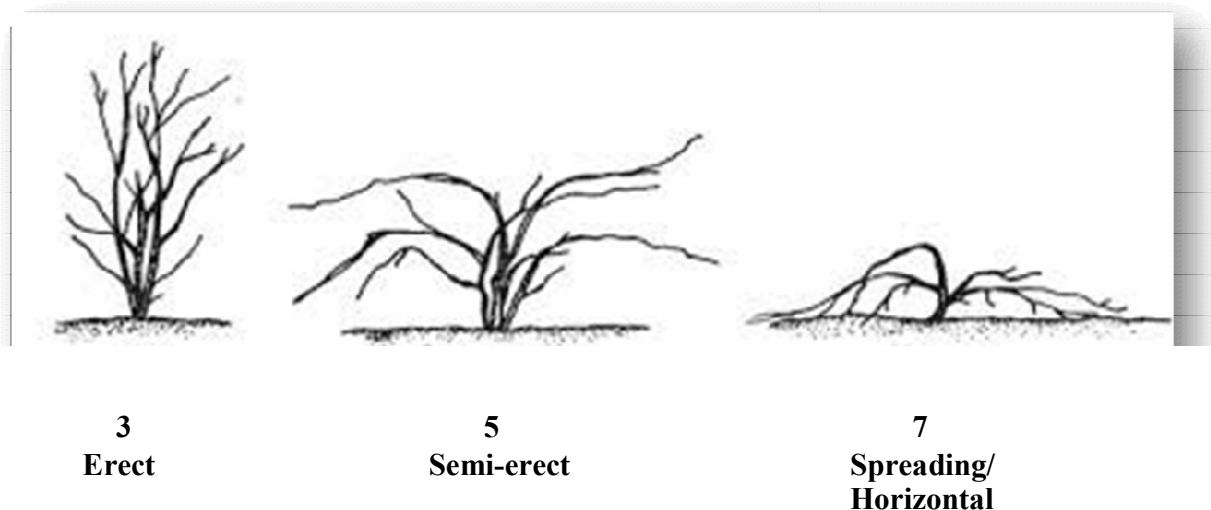
C. Descriptors for Fodder Cowpea

S. No	Characteristics	States	Note	Example varieties	Stage of observation	Type of assessment
1	2	3	4	5	6	7
1.	Plant height (cm)	Dwarf (<50)	3	Bundel Lobia-1	Days to 10% flowering (40-60 DAS)	MS
(*)		Tall (50-60)	5	Kohinoor, BL-2, MFC-08-14, MFC-09-1		
		Extra tall (>60)	7	EC-4216, GFC-1, BL-1, Swad, KBC-2, CoFC-8, MFC 09-1, UPC5286, MFC-09-12, UPC-622		
2.	Number of primary branches per plant (numbers)	Low (<5)	3	BL-2, EC-4216, UPC-622, UPC-5286, MFC-09-12, UPC-8705, UPC-9202, Bundel Lobia-1	Days to 10% flowering (50-75 DAS)	MS
(*)		Medium (5-8)	5	BL-1, CoFC-8, MFC-08-14, MFC-09-1		
		High (>8)	7	KBC-2		
3.	Days to 10% flowering	Early (<45 days)	3	--	10% of plants with at least one open	VG
(*)		Medium (45 – 55 days)	5	BL-2		
		Late (>55 days)	7	GFC-1, UPC-287, BL-1, KFC-1, UPC-		

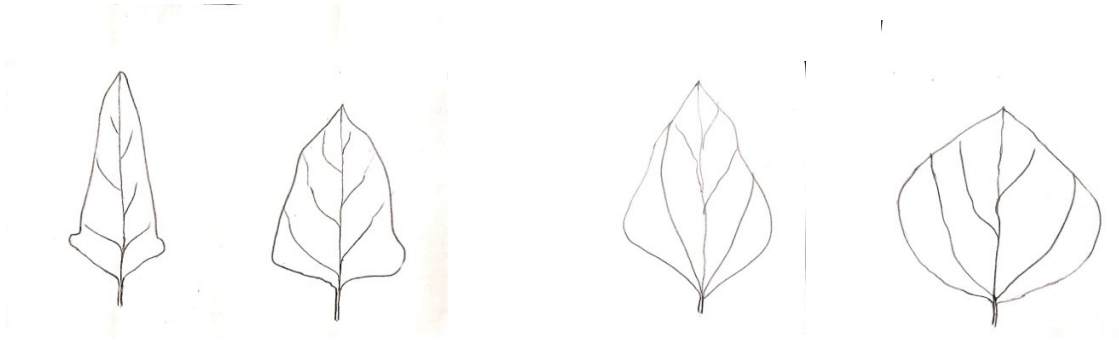
				621, UPC-625, COFC-8	flower	
4. (* (+)	Growth habit	Erect	3	PL-1, BL-2, EC4216	Days to 10% flowering (50-75 DAS)	VS
		Semi erect	5	Swad, MFC-09-1, UPC-622, UPC-5286, UPC-9202, DCS-47-1, UPC-8705, MFC-08-14, MFC-09-12, EC-4216		
		Spreading/horizontal	7	GFC-1, GFC-2, GFC-3, UPC4200		
5. (* (*)	Terminal leaflet: Length of penultimate leaf(cm)	Short (<5)	3	--	Days to 10% flowering (50-75 DAS)	MS
		Medium (5-8)	5	Swad		
		Long (>8)	7	MFC-09-1		
6. (* (*)	Terminal leaflet: Width of penultimate leaf(cm)	Short (<5)	3	Swad	Days to 10% flowering (50-75 DAS)	MS
		Medium (5-8)	5	MFC-09-1		
		Long (>8)	7	--		

VII. Explanations for the Table of characteristics

Characteristic 4. Plant: Growth habit (for A. Grain Cowpea , B. Vegetable Cowpea and C. Fodder Cowpea)



Characteristic 7. Leaflet: Shape (for A.)



**1
Hastate**

**2
Sub-hastate**

**3
Sub-globose**

**4
Globose**

Characteristic 9. Plant : Twining tendency (for A.)



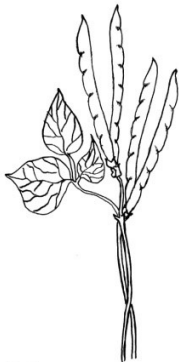
**1
Absent**

**2
Present**

Characteristic 11. Pod : Attachment to peduncle (for A.)

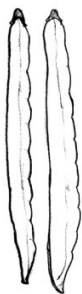


**3
Pendant**

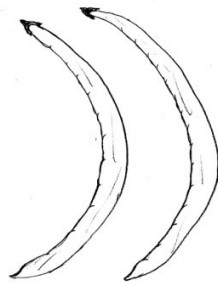


**7
Erect**

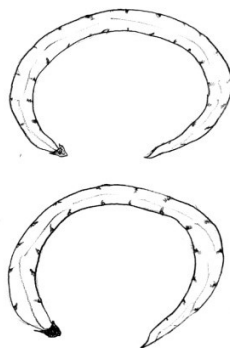
Characteristic 12. Pod : Shape (for A and B)



**1
Straight**

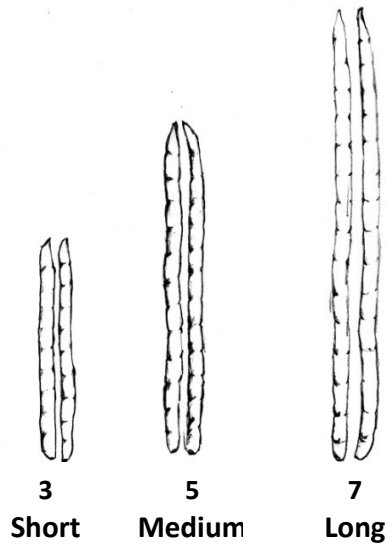


**3
Curved**

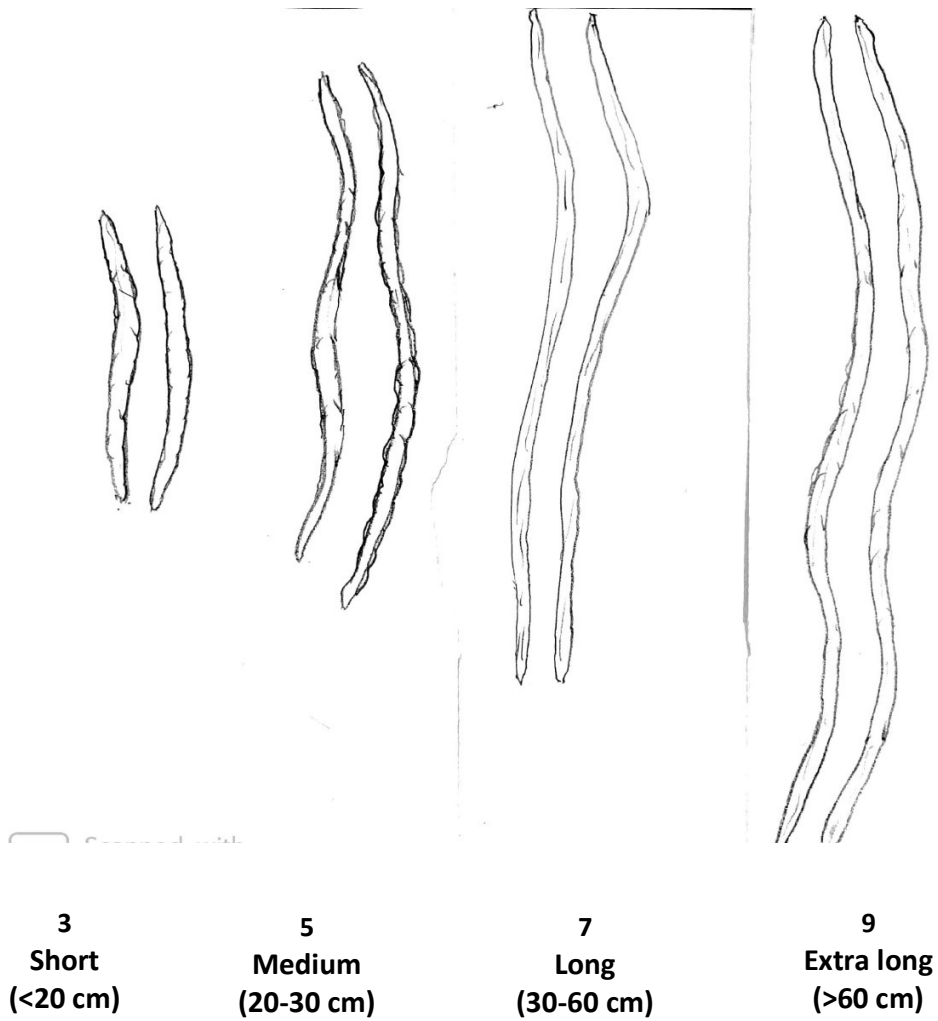


**5
Horse shoe**

Characteristic 13. Pod : Length (for A. Grain Cowpea)



Characteristic 9. Pod : Length (for B. Vegetable Cowpea)



Characteristic 21.

i) Seed : Shape (for A.)



1
Kidney

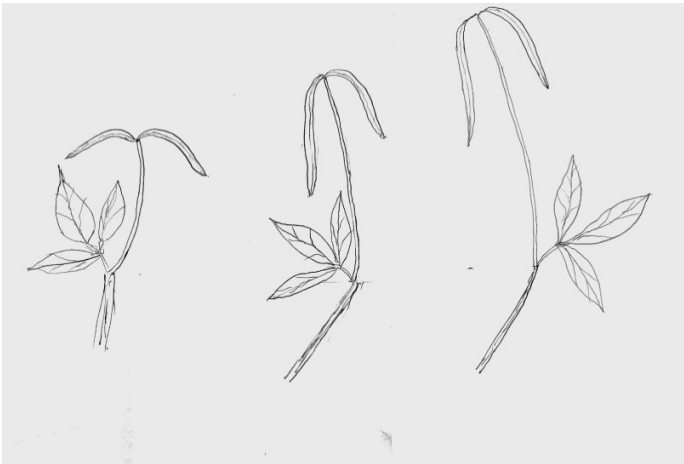


2
Elliptical



3
Rhomboid

Characteristic 24. Peduncle: Length (cm) (for A.)



3
Short
(<60 cm)

5
Medium
(60-80 cm)

7
Long
(80-90 cm)

IX. Working group details

This test guideline of cowpea (*Vigna unguiculata* L.) has been developed by the Task Force committee constituted by the PPV&FR Authority.

Members of the Task Force

1.	Dr. Pritam Kalia Emeritus Scientist Fmr. Head, Division of Vegetables IARI, New Delhi E-mail: pritam.kalia@gmail.com Mob.:9810185336	Chairman
2.	Dr. H. C. Lohitashwa Professor & Head Dept. of Genetics & Plant Breeding College of Agriculture V. C. Farm, Mandya-571405 E-mail: lohithhc@rediffmail.com Mob:9900115093	Member
3.	Dr. S. S. Shekhawat Professor Division of Plant Breeding and Genetics Rajasthan Agricultural Research Institute Durgapur, Jaipur-302018 E-mail: ssshekhawat.pbg.rari@sknau.ac.in	Member
4.	Dr. Y. A. Nanja Reddy Professor & Head Dept. of Crop Physiology University of Agricultural Sciences GKVK, Bangalore-560065 E-mail: yan_reddy@yahoo.com Mob: 9844250263	Member
5.	Dr. T. S. Aghora Principal Scientist Division of Vegetable Sciences ICAR-Indian Institute of Horticultural Research, Hesaraghatta, Bangalore-560089 E-mail: aghora.ts@icar.gov.in Mob: 9986100079	Member
6.	Dr. S. K. Deshpande Professor, Dept. of Genetics & Plant Breeding University of Agricultural Sciences Dharwad-580005 E-mail: sanjeevgpb@gmail.com Mob: 9448214978	Member

7.	Dr. T. K. Nagarathna Registrar, PPV&FRA, New Delhi E-mail: tk.nagarathna@gov.in Mob: 9999663448	Member Secretary
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X. Name of the DUS testing Centre

Lead DUS Test Centre	University of Agricultural Sciences (UAS), Dharwad-580005, Karnataka (India).
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