

भारतीय पौधा किस्म जर्नल

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

PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY

NASC COMPLEX, DPS MARG, Opp. Todapur Village, New Delhi-110012

भारतीय पौधा किस्म जरनल, खण्ड 09, अंक 02
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NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi – 110 012

'भारतीय पौधा किस्म जरनल पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि.कृ.अ.सं.प्रा.) का आधिकारिक जरनल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआरए, एस.2, ए ब्लॉक, एनएएससी काम्प्लैक्स, डीपीएस मार्ग, 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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3. Passport data of 08 Farmers Varieties

S.No.	Denomination	Acknowledgement No.	Crop
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2	Belapada-KUSUMA	Reg/2011/1004	Rice
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5.Details of registration certificate for inviting claims of benefit sharing under sub section 1 of section 26 of PPV&FR Act, 2001 read with rule 40 of PPV&FR Rules, 2003.

Notice

The denomination of some farmers' varieties has been changed by the applicants and may be read as mentioned below.

S. No.	Denomination	Acknowledgement no.	Denomination may be read as	Crop
1.	JANGALIJATA	REG/2011/534	Keonjhar- JANGALIJATA	Rice
2.	SUNAKHADI	REG/2011/639	Remuna-Bls- SUNAKHADI	Rice
3.	BIRAMANI	REG/2011/725	Kalahandi - BIRAMANI	Rice
4.	GANJAMGEDI	REG/2011/1107	Nayagarh- GANJAMGEDI	Rice
5.	BASA BHOG	REG/2011/747	Sambalpur-BASA BHOG	Rice
6.	BADSHAHA BHOG	REG/2011/849	Kalahandi- BADSHAHA BHOG	Rice
7.	JHULIPAUGI	REG/2011/737	Kalahandi- JHULIPAUGI	Rice
8.	RAMACHANDRA BHOGA	REG/2011/933	Dhenkanal- RAMACHANDRA BHOGA	Rice
9.	SAPURI	REG/2011/848	Kalahandi-SAPURI	Rice
10.	KALAJIRI	REG/2011/787	Ganjam-KALAJIRI	Rice
11.	AGNISAL	REG/2011/682	Mayurbhanja- AGNISAL	Rice
12.	MALATA	REG/2011/667	Mayurbhanja- MALATA	Rice

13.	KHANDI RATANCHUDI	REG/2011/790	Ganjam-KHANDI RATANCHUDI	Rice
14.	KALACHAMPA	REG/2011/380	Keonjhar- KALACHAMPA	Rice
15.	RASAPANJARI	REG/2011/510	Puri-RASAPANJARI	Rice
16.	AHIRMAN	REG/2011/681	Mayurbhanja- AHIRMAN	Rice
17.	KALIKATI	REG/2011/629	Raigada-KALIKATI	Rice
18.	DESIJHILI	REG/2011/540	Sambalpur-DESIJHILI	Rice
19.	SUNAKATHI	REG/2011/762	Sambalpur- SUNAKATHI	Rice
20.	JALDUBI	REG/2011/754	Sambalpur-JALDUBI	Rice
21.	KALAKRUSHNA	REG/2011/753	Sambalpur- KALAKRUSHNA	Rice
22.	AGNISAR	REG/2011/665	Mayurbhanja- AGNISAR	Rice
23.	BUDIDHAN	REG/2011/543	Sambalpur- BUDIDHAN	Rice
24.	AKULA	REG/2011/619	Subarnapur-AKULA	Rice
25.	JUBARAJ	REG/2011/613	Subarnapur-JUBARAJ	Rice
26.	LALKAIN	REG/2011/662	Baragarh-LALKAIN	Rice
27.	CHAMPEI SIALI	REG/2011/409	Cuttack-CHAMPEI SIALI	Rice

PUBLIC NOTICE

Sub: 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

It is hereby advertised that the application (s) for registration of varieties listed herein have been accepted subject to the condition of fulfillment of provisions under section 19 of the Act read with Rule 29 of PPV&FR Rules, 2003. The passport data of each variety furnished by the applicant are herewith advertised as specified for calling objections from the interested persons in the matter.

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.1,500/- (Rupees One Thousand and Five Hundred Only) by way of Demand Draft drawn in favour of "The Registrar, PPV & FR Authority" payable at New Delhi.

FORM O - 1
(See Rule 30)
Government of India, Plant Varieties Registry
Advertisement of accepted application for registration

01. Application No.

E3	TA12	09	380
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 filed on **22.09.2009** by **M/S Nirmal Seed Pvt. Ltd, P.O-Box-63, Bhadgaon Road, Pachora-424201 Dist:-Jalgaon (MS)** for a **Extant Variety (VCK)** of crop **Bread Wheat [*Triticum aestivum* L.]** having denomination **Nirbhay (NW-1)**, 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 : **Nirbhay (NW-1)**
Applicant : Nirmal Seed Pvt. Ltd
Address of the Applicant : Director of Research, Nirmal Seeds Pvt. Ltd., P.O. Box-63, Bhadgaon Road, Pachora-424201
Nationality of Applicant : Indian
Application details
 a. Number :

E3	TA12	09	380
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 b. Date of receipt : 22.09.2009
 c. Date of acceptance : --
Crop (Taxonomical Lineage) : Bread Wheat [*Triticum aestivum* L.]
Denomination : Nirbhay (NW-1)
Type of Variety : Extant Variety (VCK)
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : NWC-5 x NWC-71
Name of Reference Varieties : HD 2864, K 8020, K 9162.
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Flag leaf: Anthocynin colouration of auricle	Absent
Ear: Time of emergency (first spikelet visible on 50% of ears)	Late
Plant: Length (excluding awns/ scurs)	Medium
Awn or scurs: Presence	Awns present
Outer glume: Pubescence	Absent
Ear: Colour	Dark brown

Season: Type	Spring
Grain: Hardness	Semi-hard
B. Distinct Characteristics: Nirbhay (NW-1) has distinguishing character as Foliage: Colour: Dark green	
C. Reference variety: HD 2864, K 8020 has distinguishing character as Foliage: Colour: Green.	
D. Date of commercialization of the variety	05.10.1999

02. Application No.

E10	TA01	10	93
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 filed on **10.03.2010** by **CSK Himachal Pradesh Krishi Vishvaidyalaya, Palampur, Distt. Kangra-(HP) – 176 062** for a **New Variety** of crop **Bread Wheat** [*Triticum aestivum* L.] having denomination **HPW 249(Asmi)**, 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 : **HPW 249(Asmi)**
Applicant : **CSK Himachal Pradesh Krishi Vishvaidyalaya**
Address of the Applicant : CSK Himachal Pradesh Krishi Vishvaidyalaya Palampur,
Distt. Kangra-(HP) – 176 062
Nationality of Applicant : Indian
Application details
a. Number :

E10	TA01	10	93
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b. Date of receipt : 10.03.2010
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Bread Wheat [*Triticum aestivum* L.]
Denomination : HPW 249(Asmi)
Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : WW 24 x LEHMI
Name of Reference Varieties : HS 240, VL 804.

Variety Description:	
A. Group Characteristics	Remarks measured values, example varieties, etc.
Flag leaf: Anthocynin colouration of auricle	Absent
Ear: Time of emergency (first spikelet visible on 50% of ears)	Medium

Plant: Length (excluding awns/ scurs)	Medium
Awn or scurs: Presence	Awns present
Outer glume: Pubescence	Absent
Ear: Colour	White
Season: Type	Spring
Grain: Hardness	Hard
B. Distinct Characteristics: HPW 249(Asmi) has distinguishing character as Plant: Growth habit: Semi-erect.	
C. Reference variety: HS 240, VL 804 has distinguishing character as Plant: Growth habit: Intermediate.	
D. Date of commercialization of the variety	30.09.2009

03.Application No.

E10	OS29	12	203
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 filed on **13.06.2012** by **Kaveri Seed Company Limited, #513-B, 5th Floor, Minerva Complex, S.D. Road, Secunderabad, 500003, A.P.** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **KAVERI RICE-3**, 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 : **KAVERI RICE-3**
Applicant : **Kaveri Seed Company Limited**
Address of the Applicant : #513-B, 5th Floor, Minerva Complex,
S.D. Road, Secunderabad, 500003, A.P.

Nationality of Applicant : Indian

Application details

a. Number

E10	OS29	12	203
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b. Date of receipt

: 13.06.2012

c. Date of acceptance

: --

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

Denomination : KAVERI RICE-3

Type of Variety : Extant Variety (VCK)

Classification of Variety : Typical Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : KPGOS 741 x KPGOS-738

Name of Reference Varieties : POOJA, BPT 5204

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Short
Decorticated grain: Shape	Medium slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: KAVERI RICE-3 has distinguishing character as Decorticated grain width: Narrow	
C. Reference variety: POOJA, BPT 5204 has distinguishing character as Decorticated grain width: Medium	
D. Date of commercialization of the variety	08/05/2010

04.Application No.

E23	OS8	12	129
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 filed on **16.04.2012** by **Bharat Nursery Pvt. Ltd., 16/1B, Ramkanta Bose street, Kolkata-700003 West Bengal** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **MUKTA (BNR 14)**, 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 : **MUKTA (BNR 14)**
Applicant : **Bharat Nursery Pvt. Ltd.,**
Address of the Applicant : 16/1B, Ramkanta Bose street,
Kolkata-700003, West Bengal

Nationality of Applicant : Indian

Application details

a. Number

:	E23	OS8	12	129
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b. Date of receipt : 16.04.2012
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : MUKTA (BNR 14)
Type of Variety : Extant Variety (VCK)
Classification of Variety : Typical Variety
Previously proposed Denomination : Not applicable
Name of Parental Material : Segregant of WS-CMS, IR58025 A
Name of Reference Varieties : Akshyadhan, DRR DHAN 39, Vivekdhan 62

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: MUKTA (BNR 14) has distinguishing character as Flag leaf: Attitude of blade (late observation): Semi-erect . Panicle: Awns: Absent .	
C. Reference variety: Vivekdhan 62 , has distinguishing character as Flag leaf: Attitude of blade (late observation): Horizontal DRR DHAN 39 , has distinguishing character as Panicle: Awns: Present	
D. Date of commercialization of the variety	June 2010.

05.Application No.

E24	OS327	11	641
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 filed on **09.09.2011** by **Vibha Agrotech Limited, 501, Subhan Sirisampada, Raj Bhawan Road, Somajiguda, Hyderabad-500082** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **VRH 606**, 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 : **VRH 606**
Applicant : **Vibha Agrotech Limited**
Address of the Applicant : Subhan Sirisampada, Raj Bhawan Roa,
 Somajiguda, Hyderabad-500082

Nationality of Applicant : Indian

Application details

a. Number :

E24	OS327	11	641
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 b. Date of receipt : 09.09.2011
 c. Date of acceptance : --

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

Denomination : VRH 606

Type of Variety : Extant Variety (VCK)

Classification of Variety : Hybrid Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : VBRA 610009 x VBRR-630052

Name of Reference Varieties : Hemavathi, Shanti, IR 64

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Erect
Decorticated grain: Length	Long
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Present
B. Distinct Characteristics: VRH 606 has distinguishing character as Leaf: Pubescence of blade surface: Weak.	
C. Reference variety: Hemavathi has distinguishing character as leaf pubescence of blade surface: Strong Shanti has distinguishing character as leaf pubescence of blade surface: Medium	
D. Date of commercialization of the variety	01/06/2010.

06.Application No.

E6	OS9	12	146
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 filed on **03.05.2012** by **Advanta India Limited, #8-2-418, 3rd Floor Krishnama House, Road No. 7, Banjara Hills, Hyderabad-500034, A P** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **PAC 832**, 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 : **PAC 832**
Applicant : **Advanta India Limited**
Address of the Applicant : #8-2-418, 3rd Floor Krishnama House,
Road No. 7, Banjara Hills, Hyderabad-500034, A P
Nationality of Applicant : Indian
Application details

E6	OS9	12	146
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a. Number :
b. Date of receipt : 03.05.2012
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : PAC 832
Type of Variety : Extant Variety (VCK)
Classification of Variety : Hybrid Variety
Previously proposed Denomination : Not applicable
Name of Parental Material : 832 A x 832 R
Name of Reference Varieties : IR 64, DRR DHAN 39

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: PAC 832 has distinguishing character as Spikelet: Density of pubescence of lemma: Medium.	

C. Reference variety: IR 64 has distinguishing character as Spikelet: Density of pubescence of lemma: Strong	
D. Date of commercialization of the variety	05/11/2002

07. Application No.

E4	OS14	07	72
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 filed on **22.05.2007** **Devgen NV, Technologiepark 30, B-9052 Zwijnaarde, Belgium** for a **Extant Variety (VCK)** of crop **Rice** [*Oryza sativa* (L.)] having denomination **MIHR-006**, 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 : **MIHR-006**
Applicant : **Devgen NV**
Address of the Applicant : Technologiepark 30, B-9052 Zwijnaarde, Belgium
Nationality of Applicant : Belgium
Application details
a. Number :

E4	OS14	07	072
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b. Date of receipt : 22.05.2007
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : MIHR-006
Type of Variety : Extant Variety (VCK)
Classification of Variety : Other (Inbred line)
Previously proposed : Not applicable
Denomination
Name of Parental Material : VAJRAM x EPR 1003
Name of Reference Varieties : **BPT 5204, Hemavathi, IR 64**
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape	Long bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Very low

Decorticated grain: Aroma	Absent
B. Distinct Characteristics: MIHR-006 has distinguishing character as Basal leaf: Sheath colour: Green .	
C. Reference variety: Hemavathi has distinguishing character as Basal leaf: Sheath colour: Light purple .	
D. Date of commercialization of the variety	24/04/2008.

08.Application No.

E3	OS13	07	067
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 filed on **22.05.2007** by **Devgen NV, Technologiepark 30, B-9052 Zwijnaarde, Belgium** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **MIHR-003**, 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 : **MIHR-003**
Applicant : Devgen NV,
Address of the Applicant : Technologiepark 30, B-9052 Zwijnaarde, Belgium
Nationality of Applicant : Belgium
Application details
a. Number :

E3	OS13	07	067
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b. Date of receipt : 22.05.2007
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : MIHR-003
Type of Variety : Extant Variety (VCK)
Classification of Variety : Other (Inbred line)
Previously proposed Denomination : Not applicable
Name of Parental Material : **IR-68902 B (CMS Line)**
Name of Reference Varieties : **Annada**
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium

Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: MIHR-003 has distinguishing character as Panicle: Awans: Present.	
C. Reference variety: Annada has distinguishing character as Panicle: Awans: Absent.	
D. Date of commercialization of the variety	08/04/2008.

09.Application No.

N6	OS60	11	235
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 filed on **20.04.2011** by **Sabasta Crop Technology Pvt. Ltd, Flat No. 403, Quayyam Apartments, Plot No. 72, Hydersha Kote, Rajendranagar Mandal, Hyderabad- 500086, A.P., India** for a **New Variety** of crop **Rice [Oryza sativa (L.)]** having denomination **SONU FINE/SPRV-2**, 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 : **SONU FINE/SPRV-2**
Applicant : **Sabasta Crop Technology Pvt. Ltd.**
Address of the Applicant : Flat No. 403, Quayyam Apartments,
Plot No. 72, Hydersha Kote, Rajendranagar Mandal,
Hyderabad- 500086, A.P.
Nationality of Applicant : India
Application details :

N6	OS60	11	235
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a. Number :
b. Date of receipt : 20.04.2011
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : SONU FINE/SPRV-2
Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : -----
Name of Reference Varieties : **ASD16, Aditya, Rasi.**
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Short
Decorticated grain: Shape	Medium slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: SONU FINE/SPRV-2 has distinguishing character as Decorticated grain: Shape (in lateral view): Medium slender.	
C. Reference variety: ASD16, Aditya, Rasi has distinguishing character as Decorticated grain: Shape (in lateral view): Short bold.	
D. Date of commercialization of the variety	22/06/2010.

10. Application No.

N5	OS59	11	234
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 filed on **20.04.2011** by **Sabasta Crop Technology Pvt. Ltd, Flat No. 403, Quayyam Apartments, Plot No. 72, Hydersha Kote, Rajendranagar Mandal, Hyderabad- 500086, A.P., India** for a **New Variety** of crop **Rice** [*Oryza sativa* (L.)] having denomination **SUPER SONU / SPRV-1**, 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 : **SUPER SONU / SPRV-1**
Applicant : **Sabasta Crop Technology Pvt. Ltd.**
Address of the Applicant : Flat No. 403, Quayyam Apartments,
Plot No. 72, Hydersha Kote, Rajendranagar Mandal,
Hyderabad- 500086, A.P.
Nationality of Applicant : India
Application details
a. Number :

N5	OS59	11	234
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b. Date of receipt : 20.04.2011
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]

Denomination : SUPER SONU / SPRV-1
 Type of Variety : New Variety
 Classification of Variety : Typical Variety
 Previously proposed : Not applicable

Denomination : SN 34 x SN 37
 Name of Parental Material : SN 34 x SN 37
 Name of Reference Varieties : ASD16, Aditya, Rasi.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Short
Decorticated grain: Shape	Medium slender
Decorticated grain: Colour	White
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: SUPER SONU / SPRV-1 has distinguishing character as Basal leaf: Sheath colour: Green , Leaf: Pubescence of blade surface: Weak , Spikelet: Density of pubescence of lemma: Weak , Panicle: Length of main axis: Long , Spikelet: Colour of tip of lemma: White , Panicle: Attitude of branches: Erect , Panicle: Exertion: Well exerted	
C. Reference variety: Rasi has distinguishing character as Basal leaf: Sheath colour: Uniform purple , Spikelet: Colour of tip of lemma: Purple , Panicle: Attitude of branches: Erect to Semi-erect , ASD16, Rasi has distinguishing character as Leaf: Pubescence of blade surface: Strong , Spikelet: Density of pubescence of lemma: Strong , Aditya, Rasi has distinguishing character as Panicle: Length of main axis: Medium , ASD16, Aditya , has distinguishing character as Panicle: Attitude of branches: Semi-erect , ASD16, Aditya, Rasi has distinguishing character as Panicle: Exertion: Mostly exerted	
D. Date of commercialization of the variety	22/06/2010.

11.Application No.

N14	OS14	10	123
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 filed on **06.05.2010** by **VNR Seeds Pvt. Ltd., Village: Gomchi, P.O.: Tendua, Nandanvan Road, Dist. Raipur, Chhattisgarh-492099, India** for a **New Variety** of crop Rice [*Oryza sativa* (L.)] having denomination **VNR 8235**, 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 : **VNR 8235**
Applicant : **VNR Seeds Pvt. Ltd.**
Address of the Applicant : Village: Gomchi, P.O.: Tendua,
 Nandanvan Road, Dist. Raipur,
 Chhattisgarh, 492099.

Nationality of Applicant : India

Application details

a. Number :

N14	OS14	10	123
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 b. Date of receipt : 06.05.2010
 c. Date of acceptance : --

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

Denomination : VNR 8235

Type of Variety : New Variety

Classification of Variety : Hybrid Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : VNRF-48 x VNRRB-172

Name of Reference Varieties : **Basmati 386.**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Uniform Purple
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape	Long bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Low
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: VNR 8235 has distinguishing character as Panicle: Awns: Absent , Decorticated grain: Aroma: Absent	
C. Reference variety: BAS 386 has distinguishing character as Panicle: Awns: Present , Decorticated grain: Aroma: Present	
D. Date of commercialization of the variety	---

12. Application No.

N15	OS15	10	124
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 filed on **06.05.2010** by **VNR Seeds Pvt. Ltd., Village: Gomchi, P.O.: Tendua, Nandanvan Road, Dist. Raipur, Chhattisgarh, 492099, India** for a **New Variety** of crop **Rice** [*Oryza sativa* (L.)] having denomination **VNR 8244**, 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 : **VNR 8244**
Applicant : **VNR Seeds Pvt. Ltd.**
Address of the Applicant : Village: Gomchi, P.O.: Tendua,
Nandanvan Road, Dist. Raipur,
Chhattisgarh, -492099.

Nationality of Applicant : India

Application details

a. Number :

N15	OS14	10	124
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b. Date of receipt : 06.05.2010

c. Date of acceptance : --

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

Denomination : VNR 8244

Type of Variety : New Variety

Classification of Variety : Hybrid Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : VNRF-48 x VNRRB-244

Name of Reference Varieties : **PTB 37.**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Purple lines
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: VNR 8244 has distinguishing character as Spikelet: Colour of stigma: Purple	

C. Reference variety: PTB 37 has distinguishing character as Spikelet: Colour of stigma: White.	
D. Date of commercialization of the variety	---

13. Application No.

N15	OS25	09	146
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 filed on **13.04.2009** by **Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.), Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh, India** for a **New Variety** of crop Rice [*Oryza sativa* (L.)] having denomination **NP-1041**, 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 : **NP-1041**
Applicant : **Nuziveedu Seeds Limited.**
Address of the Applicant : Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal,
Ranga Reddy District- 501401. A.P.
Nationality of Applicant : India
Application details
a. Number :

N15	OS25	09	146
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b. Date of receipt : 13.04.2009
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : NP-1041
Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed Denomination : Not applicable
Name of Parental Material : PRN 4391 x PRN 4392.
Name of Reference Varieties : **PTB 5, Ajaya**
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Short

Decorticated grain: Shape	Medium slender
Decorticated grain: Colour	White
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: NP-1041 has distinguishing character as Decorticated grain: Shape (in lateral view): Medium slender.	
C. Reference variety: Ajaya has distinguishing character as Decorticated grain: Shape (in lateral view): Short bold.	
D. Date of commercialization of the variety	---

14. Application No.

N26	OS26	10	328
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 filed on **15.11.2010** by **Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.), Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh, India** for a **New Variety** of crop **Rice [*Oryza sativa* (L.)]** having denomination **NP-412**, 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 : **NP-412**
Applicant : **Nuziveedu Seeds Limited.**
Address of the Applicant : Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal,,
Ranga Reddy District- 501401. A.P.
Nationality of Applicant : India
Application details
a. Number :

N26	OS26	10	328
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b. Date of receipt : 15.11.2010
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : NP-412
Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : BPT 5204 x MTU 1010.
Name of Reference Varieties : **BPT 5204**
Variety Description:

A. Group Characteristics	Remarks measured values, example
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	varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Low
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: NP-412 has distinguishing character as Panicle: Curvature of main axis: Deflexed	
C. Reference variety: BPT 5204 has distinguishing character as Panicle: Curvature of main axis: Semi-straight.	
D. Date of commercialization of the variety	---

15. Application No.

N27	OS27	10	329
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 filed on **15.11.2010** by **Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.), Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh, India** for a **New Variety** of crop Rice [*Oryza sativa* (L.)] having denomination **NP-3113-7**, 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 : **NP-3113-7**
Applicant : **Nuziveedu Seeds Limited.**
Address of the Applicant : Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal,,
Ranga Reddy District- 501401. A.P.
Nationality of Applicant : India
Application details
a. Number :

N27	OS27	10	329
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b. Date of receipt : 15.11.2010
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Rice [*Oryza sativa* (L.)]
Denomination : NP-3113-7

Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : 4405-18 x L 3844.
Name of Reference Varieties : PTB 7, Karjat 3

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape	Medium slender
Decorticated grain: Colour	White
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: NP-3113-7 has distinguishing character as Time of heading (50 % of plants with panicles): Medium , Decorticated grain: Aroma: Absent	
C. Reference variety: PTB 7 has distinguishing character as Panicle: Curvature of main axis: Early . Kajat 3 has distinguishing character as Decorticated grain: Aroma: Present	
D. Date of commercialization of the variety	---

16.Application No.

N28	OS28	10	330
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 filed on **15.11.2010** by **Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.), Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh, India** for a **New Variety** of crop **Rice** [*Oryza sativa* (L.)] having denomination **NP-6330**, 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 : **NP-6330**
Applicant : **Nuziveedu Seeds Limited.**
Address of the Applicant : Sy. No. 69, Gundlapochampally (Vill.),

Medchal-Mandal,,
Ranga Reddy District- 501401. A.P.

Nationality of Applicant

: India

Application details

a. Number

N28	OS28	10	330
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b. Date of receipt

: 15.11.2010

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Rice [*Oryza sativa* (L.)]

Denomination

: NP-6330

Type of Variety

: New Variety

Classification of Variety

: Typical Variety

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: BPT 5204 x PRN 30.

Name of Reference Varieties

: **MTU 1010, PTB 31**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	White
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: NP-6330 has distinguishing character as Basal leaf: Sheath colour: Green Stem: Anthocyanin colouration of nodes: Absent , Spikelet: Colour of tip of lemma: White	
C. Reference variety: PTB 31 has distinguishing character as Basal leaf: Sheath colour: Uniform purple Stem: Anthocyanin colouration of nodes: Present Spikelet: Colour of tip of lemma: Brown	
D. Date of commercialization of the variety	---

17. Application No.

E1	GM1	11	7
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filed on **04.01.2011** by **Nirmal Seed Pvt.**

Ltd, P.O-Box-63, Bhadgaon Road, Pachora-424201 Dist:-Jalgaon (MS) for a **Extant Variety (VCK)** of crop **Soybean** [*Glycine max* (L.) Merrill] having denomination **NSO-15 (ANJALI)**, 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 : **NSO-15 (ANJALI)**
Applicant : Nirmal Seed Pvt. Ltd
Address of the Applicant : P.O. Box-63, Bhadgaon Road, Pachora-424201,
 Dist:-Jalgaon (MS)

Nationality of Applicant : Indian

Application details

a. Number :

E1	GM1	11	7
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 b. Date of receipt : 04.01.2011
 c. Date of acceptance : --

Crop (Taxonomical Lineage) : Soybean [*Glycine max* (L.) Merrill]

Denomination : NSO-15 (ANJALI)

Type of Variety : Extant Variety (VCK)

Classification of Variety : Typical Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : Ankur x JS-335

Name of Reference Varieties : **JS 93-05, JS 335.**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant:Growth type	Determinate
Flower: Colour	Purple
Pod: Pubescence	Absent
Pod: Pubescence Colour	Grey
Pod: Colour	Yellow
Plant: Days to maturity	Medium
Seed: Colour	Yellow
B. Distinct Characteristics: NSO-15 (ANJALI) has distinguishing character as Pod: Colour: Yellow.	
C. Reference variety: JS 93-05 & JS 335 has distinguishing character as Pod: Colour: Black & Brown.	
D. Date of commercialization of the variety	07-05-2009

18.Application No.

E7	OS10	12	147
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 filed on **03.05.2012** by **Advanta India Limited, #8-2-418, 3rd Floor Krishnama House, Road No. 7, Banjara Hills, Hyderabad-500034, A.P.** for a **Extant Variety (VCK)** of crop **Rice [*Oryza sativa* (L.)]** having denomination **PAC 807**, 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 : **PAC 807**
Applicant : **Advanta India Limited**
Address of the Applicant : #8-2-418, 3rd Floor Krishnama House,
 Road No. 7, Banjara Hills,
 Hyderabad-500034, A P

Nationality of Applicant : Indian

Application details

a. Number	:	E7	OS10	12	147
b. Date of receipt	:	03.05.2012			
c. Date of acceptance	:	--			

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

Denomination : PAC 807

Type of Variety : Extant Variety (VCK)

Classification of Variety : Hybrid Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : 807A x 807R

Name of Reference Varieties : DRR DHAN 38, Rasi, BPT 5204

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal Leaf: Sheath colour	Green
Time of heading (50% of Plant with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylase	Medium
Decorticated grain: Aroma	Present
B. Distinct Characteristics: PAC 807 has distinguishing character as Decorticated grain: Shape : Long slender	
C. Reference variety: DRR DHAN 38, BPT 5204 has distinguishing character as Decorticated grain: Shape : Medium slender	
D. Date of commercialization of the variety	02/07/2007.

19. Application No.

N10	SB 14	09	259
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 filed on **19.05.2009** by **The Director of Research , Mahatma Phule Krishi Vidyapeeth, Rahuri, Ahmednagar-413722, Maharashtra** for a **New**

Variety of crop **Sorghum** [*Sorghum bicolor* (L.) Moench] having denomination **Phule Chitra**, 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 : **Phule Chitra**
Applicant : **The Director of Research , Mahatma Phule Krishi Vidyapeeth**
Address of the Applicant : **Mahatma Phule Krishi Vidyapeeth** Rahuri, Ahmednagar-413722, Maharashtra
Nationality of Applicant : Indian
Application details
a. Number :

N10	SB14	09	259
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b. Date of receipt : 19.05.2009
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Sorghum [*Sorghum bicolor* (L.) Moench]
Denomination : Phule Chitra
Type of Variety : New Variety
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : SPV 655 x RSLG 112
Name of Reference Varieties : **Phule Maulee, Selection -3, Phule Yashoda**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Time of panicle emergence (50% of the plants with 50% anthesis)	Medium
Plant: total height	Very long
Panicle: shape	Panicle Border in lower part
Caryopsis : color after threshing	Yellow orange
B. Distinct Characteristics: Phule Chitra has distinguishing character as Plant: Time of panicle emergence (50% of the plants with 50% anthesis): Medium.	
C. Reference variety: Phule Yashoda have distinguishing character as Plant: Time of panicle emergence (50% of the plants with 50% anthesis): Late.	
D. Date of commercialization of the variety	----

20.Application No.

E4	BJ5	11	1312
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 filed on **02.12.2011** by **Krishna Seed Pvt. Ltd., 8/51, Jeoni Mandi, Agra (U.P.)** for a **Extant Variety (VCK)** of crop **Indian Mustard (Sarso)**

[*Brassica juncea* L. Czern & Coss] having denomination **BS-2**, 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 : **BS-2**
Applicant : **Krishna Seed Pvt. Ltd.**
Address of the Applicant : **8/51, Jeoni Mandi, Agra (U.P.)**
Nationality of Applicant : Indian
Application details
a. Number :

E4	BJ5	11	1312
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b. Date of receipt : 02.12.2011
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Indian Mustard (Sarso) [*Brassica juncea* L. Czern & Coss]
Denomination : BS-2
Type of Variety : Extant Variety (VCK)
Classification of Variety : Typical Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : KM-2 x KM-90.
Name of Reference Varieties : RH-30, GM-1, Varuna.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Number of lobes	Medium
Flower: Time of flowering (50 % of the plant with at least one open flower)	Medium
Plant: Main shoot length(cm)	Long
Siliqua: Number of seeds per siliqua	Few
B. Distinct Characteristics: BS-2 has distinguishing character as Siliqua: Length (cm): Short Siliqua: Angle with main shoot: Appressed , Siliqua: Number of seed per siliqua: Few	
C. Reference variety: RH-30, GM-1, Varuna have distinguishing characters as Siliqua: Length (cm): Medium , Siliqua: Angle with main shoot: Open RH-30 have distinguishing characters as Siliqua: Number of seed per siliqua: Medium	
D. Date of commercialization of the variety	31/07/2001

21. Application No.

E1	ZM6	11	247
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 filed on **10.05.2011** by **Bisco Biosciences Pvt. Ltd., C-39, Bharani Complex, Minister Road, Secunderabad-500003, A.P. India** for a **Extant Variety (VCK)** of crop **Maize [*Zea Mays* (L.)]** having denomination **Bisco Suraj-11 (Bisco Shiva)**, 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 : **Bisco Suraj-11 (Bisco Shiva)**
Applicant : **Bisco Biosciences Pvt. Ltd.,**
Address of the Applicant : C-39, Bharani Complex, Minister Road,
 Secunderabad-500003, A.P. India

Nationality of Applicant : Indian

Application details

a. Number :

E1	ZM6	11	247
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 b. Date of receipt : 10.05.2011
 c. Date of acceptance : --

Crop (Taxonomical Lineage) : Maize [*Zea Mays* (L.)]
Denomination : Bisco Suraj-11 (Bisco Shiva)
Type of Variety : Extant Variety (VCK)
Classification of Variety : Hybrid
Previously proposed : Not applicable
Denomination
Name of Parental Material : (BSI 235 x BS 210) x (BSI 245 x BS 240)
Name of Reference Varieties : HM4, PRAKASH VIVEK 9.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants)	Early
Ear: Time of silk emergence (50% plants)	Early
Ear: Anthocyanin colouration of silks (on day of emergency)	Present
Plant: Length (up to flag leaf)	Medium
Ear: Type of grain (in middle third of ear)	Semi-dent
B. Distinct Characteristics: BISCO SURAJ-11 (BISCO SHIVA) has distinguishing character as Ear: Type of grain (in middle third of ear): Semi-dent	

C. Reference variety: HM4, PRAKASH has distinguishing character as Ear: Type of grain (in middle third of ear): Flint.	
D. Date of commercialization of the variety	2002

22. Application No.

E4	ZM12	11	334
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 filed on **01.07.2011** by **Bisco Biosciences Pvt. Ltd., C-39, Bharani Complex, Minister Road, Secunderabad-500003, A.P. India** for a **Extant Variety (VCK)** of crop **Maize [*Zea Mays* (L.)]** having denomination **Bisco 74 (Bisco 740 Deluxe)**, 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 : **Bisco 74 (Bisco 740 Deluxe)**
Applicant : **Bisco Biosciences Pvt. Ltd.**
Address of the Applicant : C-39, Bharani Complex,
Minister Road, Secunderabad-500003,
A.P. India

Nationality of Applicant : Indian

Application details

a. Number :

E4	ZM12	11	334
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b. Date of receipt : 01.07.2011
c. Date of acceptance : --

Crop (Taxonomical Lineage) : Maize [*Zea Mays* (L.)]

Denomination : BISCO 74 (BISCO 740 DELUXE)

Type of Variety : Extant Variety (VCK)

Classification of Variety : Hybrid

Previously proposed : Not applicable

Denomination

Name of Parental Material : (BS 230 x BSI 264) x (BS 240 x BSI 202)

Name of Reference Varieties : HQPM1, HM4, VIVEK 9.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants)	Medium
Ear: Time of silk emergence (50% plants)	Medium
Ear: Anthocyanin colouration of silks (on day of emergency)	Present

Plant: Length (up to flag leaf)	Long
Ear: Type of grain (in middle third of ear)	Semi-dent
B. Distinct Characteristics: BISCO 74 (BISCO 740 DELUXE) has distinguishing character as Ear: Anthocyanin colouration of silks (on day of emergency): Present , Ear: Type of grain (in middle third of ear): Semi-dent	
C. Reference variety: HQPM1 has distinguishing character as Ear: Anthocyanin colouration of silks (on day of emergency): Absent HQPM1, HM4 has distinguishing character as Ear: Type of grain (in middle third of ear): Dent & Flint	
D. Date of commercialization of the variety	18/06/2009

23. Application No.

E8	ZM21	11	432
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 filed on **29.07.2011** by **Bisco Biosciences Pvt. Ltd., C-39, Bharani Complex, Minister Road, Secunderabad-500003, A.P. India** for a **Extant Variety (VCK)** of crop **Maize [Zea Mays (L.)]** having denomination **Bisco New 704 (BISCO 97 GOLD)**, 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 : **Bisco New 704 (BISCO 97 GOLD)**
Applicant : **Bisco Biosciences Pvt. Ltd.,**
Address of the Applicant : C-39, Bharani Complex,
Minister Road, Secunderabad-500003,
A.P. India

Nationality of Applicant : Indian

Application details

a. Number :

E8	ZM21	11	432
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b. Date of receipt : 29.07.2011
c. Date of acceptance : --

Crop (Taxonomical Lineage) : Maize [Zea Mays (L.)]
Denomination : BISCO NEW 704 (BISCO 97 GOLD)
Type of Variety : Extant Variety (VCK)
Classification of Variety : Hybrid
Previously proposed Denomination : Not applicable
Name of Parental Material : (BS 240 x BSI 202) x BSI 264
Name of Reference Varieties : HQPM1, PRAKASH, HM4.
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants)	Medium
Ear: Time of silk emergence (50% plants)	Medium
Ear: Anthocyanin colouration of silks (on day of emergency)	Present
Plant: Length (up to flag leaf)	Medium
Ear: Type of grain (in middle third of ear)	Semi-dent
B. Distinct Characteristics: BISCO NEW 704 (BISCO 97 GOLD) has distinguishing character as Ear: Type of grain (in middle third of ear): Semi-dent	
C. Reference variety: HQPM1, PRAKASH, HM4 has distinguishing character as Ear: Type of grain (in middle third of ear): Dent, Flint, Flint.	
D. Date of commercialization of the variety	23/04/2009

24. Application No.

E7	ZM18	11	423
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 filed on **15.07.2011** by **Pioneer Overseas Corporation, 3rd & 4th Floor, Babukans' Millennium Centre, 6-3-1099/1100, Raj Bhavan Road, Somajiguda, Hyderabad-500082, A.P. India** for a **Extant Variety (VCK)** of crop **Maize [Zea Mays (L.)]** having denomination **P 3540**, 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 : **P 3540**
Applicant : **Pioneer Overseas Corporation**
Address of the Applicant : 3rd & 4th Floor, Babukans' Millennium Centre,
6-3-1099/1100, Raj Bhavan Road, Somajiguda,
Hyderabad-500082, A.P. India

Nationality of Applicant : Indian

Application details

a. Number

E7	ZM18	11	423
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b. Date of receipt

: 15.07.2011

c. Date of acceptance

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Crop (Taxonomical Lineage) : Maize [Zea Mays (L.)]

Denomination : P 3540

Type of Variety : Extant Variety (VCK)

Classification of Variety : Hybrid

Previously proposed : Not applicable

Denomination**Name of Parental Material** : PH1N22 x PH15KA**Name of Reference Varieties** : HQPM1, PRAKASH, VIVEK 9.**Variety Description:**

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants)	Early
Ear: Time of silk emergence (50% plants)	Early
Ear: Anthocyanin colouration of silks (on day of emergency)	Present
Plant: Length (up to flag leaf)	Long
Ear: Type of grain (in middle third of ear)	Semi-dent
B. Distinct Characteristics: P 3540 has distinguishing character as Tassel: Angle between main axis and lateral branches: Narrow , Tassel: Attitude of lateral branches (in lower third of tassel): Curved . Ear: Anthocyanin colouration of silks (on day of emergency): Present	
C. Reference variety: VIVEK 9 has distinguishing character as Tassel: Angle between main axis and lateral branches: Wide , HQPM1 has distinguishing character as Tassel: Attitude of lateral branches (in lower third of tassel): Straight , Ear: Anthocyanin colouration of silks (on day of emergency): Absent .	
D. Date of commercialization of the variety	29/04/2010

25. Application No.

E2**ZM10****11****293**filed on **08.06.2011** by **Pioneer**

Overseas Corporation, 3rd & 4th Floor, Babukans' Millennium Centre, 6-3-1099/1100, Raj Bhavan Road, Somajiguda, Hyderabad-500082, A.P. India for a **Extant Variety (VCK)** of crop **Maize [Zea Mays (L.)]** having denomination **30R77**, 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 : **30R77****Applicant** : **Pioneer Overseas Corporation**

Address of the Applicant : 3rd & 4th Floor, Babukans' Millennium Centre,
6-3-1099/1100, Raj Bhavan Road, Somajiguda,
Hyderabad-500082, A.P. India

Nationality of Applicant : Indian
Application details
 a. Number :

E2	ZM10	11	293
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 b. Date of receipt : 08.06.2011
 c. Date of acceptance : --
Crop (Taxonomical Lineage) : Maize [*Zea Mays* (L.)]
Denomination : 30R77
Type of Variety : Extant Variety (VCK)
Classification of Variety : Hybrid Variety
Previously proposed : Not applicable
Denomination
Name of Parental Material : E2Y x 17H
Name of Reference Varieties : HQPM1, PRAKASH, VIVEK 9.
Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants)	Medium
Ear: Time of silk emergence (50% plants)	Early
Ear: Anthocyanin colouration of silks (on day of emergency)	Absent
Plant: Length (up to flag leaf)	Medium
Ear: Type of grain (in middle third of ear)	Semi-dent
B. Distinct Characteristics: 30R77 has distinguishing character as Tassel: Attitude of lateral branches (in lower third of tassel): Straight , Ear: Anthocyanin colouration of silks (on day of emergency): Absent Ear: Length without husk: Medium	
C. Reference variety: PRAKASH, VIVEK 9 has distinguishing character as Tassel: Attitude of lateral branches (in lower third of tassel): Curved , Ear: Anthocyanin colouration of silks (on day of emergency): Present HQPM1, PRAKASH, VIVEK 9 has distinguishing character as Ear: Length without husk: Long	
D. Date of commercialization of the variety	09/05/2005

PUBLIC NOTICE

Sub: Advertisement is given under sub-section (2) and (3) of Section 21 of the Protection of Plant Varieties and Farmers' Rights Act, 2001 for registration of farmers' variety [Section 2(j)(ii)] read with Rules 30 and 31 of PPV & FR Rules, 2003

It is hereby advertised that the application (s) for registration of farmers' varieties (falling within the definition of extant variety) listed herein have been accepted by the Registrar, Protection of Plant Varieties & Farmers' Rights Authority. The passport data of each variety furnished by the applicant are herewith advertised as specified for calling objections from the interested persons in the matter.

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.1,500/- (Rupees One Thousand and Five Hundred Only) by way of Demand Draft drawn in favour of "The Registrar, PPV & FR Authority" payable at New Delhi.

FORM O - 1
(See Rule 30)
Government of India, Plant Varieties Registry
Advertisement of accepted application for registration

01. Application No.

F120	127	11	368
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 filed on 11.07.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Sujan Majhi and Others, At-Phulchi, Block-Sinapali, Dist-Nuapada, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Nuapada-Maharaji**, 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 : **Nuapada-Maharaji**
Applicant : **Sujan Majhi and Others**
Address of the Applicant : **At-Phulchi, Block-Sinapali, Dist-Nuapada, State-Odisha**
Nationality of Applicant : **Indian**
Application details
a. Number :

F120	OS127	11	368
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b. Date of receipt : 11.07.2011
c. Date of acceptance : 11.07.2011
Crop (Taxonomical Lineage) : **Rice (*Oryza sativa* L.)**
Denomination : **Nuapada-Maharaji**
Type of Variety : **Farmers' variety**
Classification of Variety : **Typical Variety**
Previously proposed : **Maharaji**
Denomination
Name of Parental Material : **NA**
Name of Reference Varieties : **Mandya Vijaya**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Nuapada-Maharaji has distinguishing characters as Lemma: Anthocyanin colouration of apex : Absent	

Spikelet: Colour of tip of lemma:White	
C. Reference varieties: Mandya Vijaya has distinguishing characters as Lemma: Anthocyanin colouration of apex : Weak Spikelet: Colour of tip of lemma:Brown	
D. Date of commercialization of the variety	----

02. Application No.

F668	OS687	11	1004
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 filed on 21.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Gokula Sahu, At-ChacherBeng, Block-Belpada, District-Balangir, State-Odisha**, for a **Farmers' variety** of crop Rice (*Oryza sativa* L.) having denomination **Belapada-KUSUMA**, 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 : **Belapada-KUSUMA**
Applicant : **Gokula Sahu**
Address of the Applicant : **At-ChacherBeng, Block-Belpada, District-Balangir, State-Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F668	OS687	11	1004
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b. Date of receipt : 21.09.2011
c. Date of acceptance : 21.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Belapada-KUSUMA**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **KUSUMA**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : **Narendra 359**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Bold
Decorticated grain: Colour	Red
Endosperm: Content of amylose	Low
Decorticated grain: Aroma	Absent

B. Distinct Characteristics:	
Belapada-KUSUMA has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect, Panicle: Awns: Present , Decorticated grain: Colour: Red	
C. Reference varieties:	
Narendra 359 has distinguishing characters as Flag leaf: Attitude of blade (late observation): Deflexed Panicle: Awns: Absent, Decorticated grain: Colour: White	
D. Date of commercialization of the variety	----

03. Application No.

F621	OS640	11	955
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 filed on 20.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Gopi Sisa and Others, At-Semla, Block-Nandapur, Dist-Koraput, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Koraput-Sapur**, 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 : **Koraput-Sapur**
Applicant : **Gopi Sisa and Others**
Address of the Applicant : **At-Semla, Block-Nandapur, Dist-Koraput, State-Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F621	OS640	11	955
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b. Date of receipt : 20.09.2011
c. Date of acceptance : 20.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Koraput-Sapur**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **Sapur**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : **Shakuntala**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium

Decorticated grain: Aroma	Absent
B. Distinct Characteristics: Koraput-Sapur has distinguishing characters as Decorticated Grain: Colour: Red	
C. Reference varieties: Shakuntala has distinguishing characters as Decorticated Grain: Colour: White	
D. Date of commercialization of the variety	----

04. Application No.

F858	OS878	11	1195
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 filed on 27.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Harish Chandra Patel, At-Khuntpali, Block-Balangir, Dist-Balangir, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Balangir-BASMATI**, 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 : **Balangir-BASMATI**
Applicant : **Harish Chandra Patel**
Address of the Applicant : **At-Khuntpali, Block-Balangir, Dist-Balangir, State- Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F858	OS878	11	1195
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b. Date of receipt : 27.09.2011
c. Date of acceptance : 27.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Balangir-BASMATI**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **BASMATI**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : **Narendra 359**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
B. Distinct Characteristics:	

Balangir-BASMATI has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect, Decorticated grain: Aroma: Present	
C. Reference varieties: Narendra 359 has distinguishing characters as Flag leaf: Attitude of blade (late observation): Deflexed, Decorticated grain: Aroma: Absent	
D. Date of commercialization of the variety	----

05. Application No.

F623	OS642	11	957
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 filed on 20.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Ganesh Badanaik and Others, At-Kadam Guda, Block-Nandapur, Dist-Koraput, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Koraput-HALADI SAPURU**, 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 : **Koraput-HALADI SAPURU**
Applicant : **Ganesh Badanaik and Others**
Address of the Applicant : **At-Kadam Guda, Block-Nandapur, Dist-Koraput, State Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F623	OS642	11	957
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b. Date of receipt : 20.09.2011
c. Date of acceptance : 20.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Koraput-HALADI SAPURU**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed Denomination : **HALADI SAPURU**
Name of Parental Material : NA
Name of Reference Varieties : **Kanchan**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Medium

Decorticated grain: Aroma	Absent
B. Distinct Characteristics: Koraput-HALADI SAPURU has distinguishing characters as Time of heading (50% of plants with panicles): Late, Flag leaf: Attitude of blade (late observation): Horizontal, Decorticated grain: Length: Medium, Decorticated grain: Width: Medium	
C. Reference varieties: Kanchan has distinguishing characters as Time of heading (50% of plants with panicles): Very Late, Flag leaf: Attitude of blade (late observation): Semi-erect, Decorticated grain: Length: Short, Decorticated grain: Width: Narrow	
D. Date of commercialization of the variety	----

06. Application No.

F651	OS670	11	987
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 filed on 20.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Thakur Ch. Bhoi and Others, At-Bhojpur, Block-Khariar, Dist-Nuapada, State-Odisha**, for a **Farmers' variety** of crop Rice (*Oryza sativa* L.) having denomination **Khariar-SAPARI**, 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 : **Khariar-SAPARI**
Applicant : **Thakur Ch. Bhoi and Others**
Address of the Applicant : **At-Bhojpur, Block-Khariar, Dist-Nuapada, State-Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F651	OS670	11	987
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b. Date of receipt : 20.09.2011
c. Date of acceptance : 20.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Khariar-SAPARI**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **SAPARI**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : **Vibhava**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short slender

Decorticated grain: Colour	Red
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Khariar-SAPARI has distinguishing characters as Panicle: Awns: Absent, Decorticated grain: Colour: Red	
C. Reference varieties:	
Vibhava has distinguishing characters as Panicle: Awns: Present, Decorticated grain: Colour: White	
D. Date of commercialization of the variety	----

07. Application No.

F626	OS645	11	960
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 filed on 20.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Tripati Muduli and Others, At-Sasahandi, Block-Boriguma, Dist-Koraput, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Boriguma-Badi**, 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 : **Boriguma-Badi**
Applicant : **Tripati Muduli and Others**
Address of the Applicant : **At-Sasahandi, Block-Boriguma, Dist-Koraput, State-Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F626	OS645	11	960
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b. Date of receipt : 20.09.2011
c. Date of acceptance : 20.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Boriguma-Badi**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **Badi**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : **Karthika**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long Bold
Decorticated grain: Colour	Red

Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics: Boriguma-Badi has distinguishing characters as Spikelet: Density of pubescence of lemma: Medium, Decorticated grain colour: Red	
C. Reference varieties: Karthika has distinguishing characters as Spikelet: Density of pubescence of lemma: Weak, Decorticated grain colour: Light Brown	
D. Date of commercialization of the variety	----

08. Application No.

F782	OS802	11	1119
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 filed on 23.09.2011 by **Director of Agriculture and Food Production, Govt. of Odisha, Bhubaneswar, 751 001, India** on behalf of **Kasinath Nayak, At-Kolha, Tihidi, Bhadrak, State-Odisha**, for a **Farmers' variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Tihidi-KHADIASOLA**, 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 : **Tihidi-KHADIASOLA**
Applicant : **Kasinath Nayak**
Address of the Applicant : **At-Kolha, Tihidi, Bhadrak, State-Odisha**
Nationality of Applicant : Indian
Application details
a. Number :

F782	OS802	11	1119
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b. Date of receipt : 23.09.2011
c. Date of acceptance : 23.09.2011
Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : **Tihidi-KHADIASOLA**
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed : **KHADIASOLA**
Denomination
Name of Parental Material : NA
Name of Reference Varieties : Narendra 359

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Bold

Decorticated grain: Colour	Dark Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Tihidi-KHADIASOLA has distinguishing characters as Decorticated grain: Width: Broad	
C. Reference varieties:	
Narendra 359 has distinguishing characters as Decorticated grain: Width: Medium	
D. Date of commercialization of the variety	---

PUBLIC NOTICE

Sub: Notice is given under Rule 29 (8 and 9) of the PPV & FR Rules, 2003.

As a requirement under Rule 29 (8 and 9) of the PPV & FR Rules, 2003, it is hereby informed that the crop specific DUS test guideline namely: Chilli, Bell pepper and Paprika (*Capsicum annuum* L.), Foxtail millet (*Setaria italica* (L.) Beauv) and Finger millet (*Eleusine coracana* (L.) Gaertn. is hereby published in 'Plant Variety Journal of India', Vol. 09, No. 02, February 02, 2015. Interested parties may read these guidelines and act accordingly.

Sd/-
MANOJ SRIVASTAVA
REGISTRAR

Chilli, Bell pepper and Paprika(*Capsicum annuum* L.)

I. Subject

These test guidelines shall apply to all varieties, hybrids and parental lines of chilli (hot pepper), bell (sweet) pepper and paprika (*Capsicum annuum* L.).

II. 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 required for testing a variety applied for registration under the PPV&FR Act, 2001. Applicants submitting seed material from a country other than India shall make sure that all customs and quarantine requirements stipulated under v relevant national legislations and regulation are complied with.
2. The minimum quantity of seeds to be supplied by the applicant should be:
Varieties, hybrids and parental lines for open cultivation and for protected cultivation
 - a) Open pollinated varieties : 15g
 - b) Hybrid and parental lines : 10g each
3. The seed material should have the minimum requirements for germination capacity (>85%), moisture content (<8%) and genetic purity (>98%). The seed material supplied should be visibly healthy, vigorous and free from insect pest or disease infestation.
4. The seed supplied must not have undergone any treatment unless the Competent Authority allow or request for such treatment. If it has been treated, full details of the treatment must be given.

III. Conduct of tests

1. The minimum duration of DUS test shall normally be at least two independent but similar growing seasons with reference to the ecosystem of the candidate variety.
2. The test shall normally be conducted 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, for which additional quantity of seeds shall be required.
3. The field test shall be carried out under conditions favouring normal growth and expression of all test characteristics. The size of the plot 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 a minimum of 120 plants for open cultivation and 60 plants for protected cultivation which should be divided among three replications. Separate plots for observation and for measurement can only be used if they have been subjected to similar environmental conditions.

4. Test plot design shall be as follows

Bed size	:	4.5X 3.6m
Number of rows	:	4
Row length	:	4.5m
Row to row distance	:	90cm
Plant to plant distance	:	45cm
Number of replications	:	3
Expected no. of plants	:	40 X 3=120

5. Observations should 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 in the Table of Characteristics (Section VII) shall be used for the testing of varieties for their DUS.
2. For the assessment of distinctiveness and stability, observations should 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 (visual assessment by a single observation on a group of plants or parts of plants), a population standard of 1% with an acceptance probability of at least 95% should be applied. In the case of a sample size of 120 and 60 plants, the number of off-types should not exceed 4 and 2, respectively.
4. For the assessment of colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.
5. Unless otherwise indicated, all observations on the leaves and flowers should be made after the first flower starts and before the start of the harvest.
6. Unless otherwise indicated, all observations on the plant and fruit should be made at mature green fruit stage and/ or ripe fruit stage.
7. Unless otherwise indicated, observations on the seed should be made on fully developed dry seed
8. Stage of recording observations on specific characteristics will be as follows;

Description	Code
a) Cotyledons completely unfolded to two-true leaf stage	10
b) Active vegetative phase	20
c) Appearance of flowers on 50% plants	30
d) First fruit attaining harvest maturity	40
e) First fruit attaining physiological maturity	50
f) Full maturity: approximately all fruits are shrunken, red/ yellow	60

V. Grouping of varieties

1. The candidate varieties for DUS testing shall be divided into groups (hot pepper as vegetable or spice, bell pepper as vegetable and paprika as spice) to facilitate the assessment of distinctness. Characteristics, which are known from experience not to vary or to vary only slightly, within a variety and in which their various states fairly distributed across all varieties in the collection are suitable for grouping purposes.

2. The following characteristics shall be used for grouping *Capsicum annum* varieties:
- (a) Plant : Habit (characteristic 2)
 - (b) Flower/Fruit : Orientation (characteristic 24)
 - (c) Fruit : Fruit bearing habit (characteristic 25)
 - (d) Fruit : Colour (at mature green fruit stage on plants) (characteristic 26)
 - (e) Fruit : Shape in longitudinal section (characteristic 30)
 - (f) Fruit : Colour (at ripe fruit stage on plants) (characteristic 37)
 - (g) Fruit : Shape at base (characteristic 41)
 - (h) Fruit : Shape at apex (characteristic 42)

VI. Characteristics and symbols

1. To assess distinctness, uniformity and stability, the characteristics and their states as given in the Table of Characteristics (section VII) shall be used.
2. Notes (1-9) shall be used to describe the state of each character for the purposes of digital data processing and these notes shall be given against the states of the different characteristics.
3. Legend
 - (*) Characteristics that shall be observed during every growing season on all varieties and always be included in the description of the variety, except when the state of expression of a preceding phenological characteristic or by environmental conditions of the testing region.
 - (+) See explanations 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 of figure(s) for clarity and not for the colour variation.
4. Type of assessment of characteristics indicated in column 7 of table of characteristics is as follows:
The optimum stage of plant growth for assessment of each characteristic is indicated in the sixth column of Table of characteristics. These are explained below:

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

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

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

VS : Visual assessment by observations on individual plant or parts of plants

VII. Table of Characteristics:

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
1	Seedling: Anthocyanin	Absent	1	LCA 333	10	VG
(*)	colouration of hypocotyl	Present	9	Arka Lohit		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
2 (* (+)	Plant: Habit	Spreading	3	Kashi Anmol (KA2)	50	VG
		Semi-upright	5	Pant C-1		
		Upright	7	Arka Lohit		
3 (*	Plant: Length of main stem (cm)	Short (up to 5)	3	Kashi Anmol	50	MS
		Medium (5.01-10)	5	Arka Meghana JCA 283		
		Long (>10)	7	Arka Lohit Pusa Jwala		
4 (*	Plant: Length of first internode (on primary branches in cm)	Very short (up to 1)	1	-----	50	MS
		Short (1.01-2)	3	Pusa Sadabahar		
		Medium (2.01-4)	5	Kashi Anmol Lam 353		
		Long (4.01-6)	7	Arka Lohit Arka Harita		
		Very long (>6)	9	Arka Khyati Pusa Jwala		
5 (*	Plant: Anthocyanin colouration of nodes	Absent	1	BC 25	30	VG
		Present	9	Arka Suphal Prasanth (LCA334)		
6	Plant: Intensity of anthocyanin colouration of nodes	Weak	3	Pusa Jwala Pusa Sadabahar	30	VG
		Medium	5	Arka Lohit Prasanth		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Strong	7	Arka Suphal Arka Meghana		
7a	Plant: Height (cm) (hot pepper and paprika)	Short (<40)	3	Kashi Anmol Kashi Sindhuri(IVPBC-535)	50	MS
		Medium (40.01-80)	5	Chilli Japani Longi Arka Abhir		
		Tall (>80)	7	Arka Lohit Byadagi Dabbi		
7b	Plant: Height (cm) (bell pepper)	Short (<40)	3	Solan Bharapur Arka Mohini	50	MS
		Medium (40.01-60)	5	Yolo Wonder Arka Gaurav		
		Tall (>60)	7	Arka Basant California Wonder		
8a	Plant: Spread (cm) (hot pepper and paprika) (average of distance between the extremes at widest points taken in two directions)	Narrow (<50)	3	Arka Lohit Pusa Sadabahar	50	MS
		Medium (50.01-100)	5	Prasanth Arka Suphal		
		Broad (>100)	7	Arka Khyati Arka Meghana		
8b	Plant: Spread (cm) (bell pepper) (average of distance between the extremes at widest points taken)	Narrow (<50)	3	Arka Basant Arka Gaurav	50	MS
		Medium (50.01-100)	5	Arka Mohini California Wonder		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
	in two directions)	Broad (>100)	7	-----		
9 (*)	Stem: Pubescence (hairiness)	Absent	1	ACS 2000-2	40	VG
		Present	9	Phule Jyoti Byadagi Dabbi		
10 (+)	Stem: Intensity of pubescence (hairiness)	Sparse	3	Khasi Sindhuri Chilli Japani Longi	40	VG
		Medium	5	Arka Khyati Utkal Yellow		
		Strong	7	Byadagi Dabbi Phule Jyoti		
11	Stem: Shape	Round	3	Arka Suphal Arka Abhir	40	VG
		Angled	5	Chilli Japani Longi Utkal Yellow		
		Flat	7	-----		
12	Leaf: Length of blade (measured from leaf base to leaf tip in cm)	Short (<4)	3	-----	40	MS
		Medium (4.01-8)	5	Arka Lohit Khasi Sindhuri		
		Long (>8)	7	Arka Mohini Pusa Sadabahar		
13	Leaf: Width of blade (measured on the widest part of the leaf in cm)	Narrow (<3)	3	Kashi Anmol (KA2) PC-2062	40	MS
		Medium (3.01-5)	5	Arka Abhir Phule Jyoti		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Broad (>5)	7	Pusa Sadabahar Arka Mohini		
14	Leaf: Colour	Green	3	Arka Suphal Pusa Sadabahar	40	VG
		Purple	5	-----		
		Green with purple tinge	7	-----		
		Purple with green tinge	9	-----		
15	Leaf: Intensity of green colour	Light	3	ACS 2000-2 Arka Basant	40	VG
		Medium	5	Arka Abhir Lam 353		
		Dark	7	Arka Meghana Pusa Sadabahar		
16	Leaf: Intensity of purple colour	Light	3	-----	40	VG
		Medium	5	-----		
		Dark	7	-----		
17 (+)	Leaf: Shape	Lanceolate	3	Arka Khyati LCA 333	40	VG
		Ovate	5	Arka Suphal Prasanth		
		Broad elliptic	7	Arka Mohini Kashi Sindhuri		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
18	Leaf: Undulation of margin	Weak	3	Arka Mohini Arka Suphal	40	VG
		Medium	5	Arka Abhir Byadagi Dabbi		
		Strong	7	Hungarian Yellow Wax Arka Khyati		
19	Leaf: pubescence (hairiness)	Absent	1	Arka Sweta	40	VG
		Present	9	Pusa Sadabahar Byadagi Dabbi		
20	Leaf: Intensity of pubescence (hairiness)	Sparse	3	Arka Meghana California Wonder	40	VG
		Medium	5	Phule Mukta IVPBC-535		
		Strong	7	Byadagi Dabbi Byadagi Kaddi		
21 (*)	Flower: Petal colour	White	3	Arka Suphal Arka Mohini	30	VG
		Yellowish green	5	PC-2062 Ajeet-3		
		Purple	7	-----		
		Others (specify)	9	-----		
22	Flower: Anther colour	Yellow	3	Bhaskar K-1	30	VG

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Pale blue	5	Arka Suphal Arka Mohini		
		Purple	7	Pant Chilli-3 Ajeet-1		
		Others (specify)	9	-----		
23 (*)	Flower: Days to 50% flowering (from the date of sowing)	Early(<70 days)	3	Arka Meghana Kashi Anmol	30	MS
		Medium (70-90)	5	Arka Mohini Kashi Sindhuri		
		Late (>90)	7	Arka Lohit Bhagyalakshmi		
24 (+)	Flower/ Fruit: Orientation	Drooping	3	Arka Suphal Pusa Jwala	30/40	VG
		Semi drooping	5	Phule Mukta Hungarian Yellow Wax		
		Erect	7	Pusa Sadabahar Utkal Yellow		
25	Fruit: Bearing habit (No. of fruits/ node)	1 (Solitary)	3	Arka Suphal Pusa Jwala	40	VG
		2-3	5	-----		
		>3 (Cluster)	7	Pusa Sadabahar Punjab Gucchedhar		
26 (*)	Fruit: Colour (at mature unripe stage)	White	3	-----	40	VG
		Cream	5	Arka Basant		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Green	7	Arka Suphal Pusa Jwala		
		Purple	9	-----		
27	Fruit: Intensity of colour (at mature unripe stage)	Light	3	Arka Sweta Pusa Jwala	40	VG
		Medium	5	Pusa Sadabahar Arka Suphal		
		Dark	7	Arka Meghana Utkal Yellow		
28 a (*)	Fruit: Length (cm) (hot pepper and paprika)	Very short (<2)	1	-----	40	MS
		Short (2.01-5.0)	3	Pusa Sadabahar Phule Mukta		
		Medium (5.01-10)	5	Arka Suphal Arka Harita		
		Long (10.01-15)	7	Arka Khyati Byadagi Dabbi		
		Very long (>15)	9	Byadagi Kaddi		
28 b (*)	Fruit: Length (cm) (bell pepper)	Short (<3)	3	-----	40	MS
		Medium (3.01-6)	5	Solan Bharpur Kandaghat Selection-9		
		Long (>6)	7	Arka Mohini California Wonder		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
29a (* (*)	Fruit: Diameter (fruits measured at the widest point in cm) [hot pepper and paprika]	Narrow (<0.8)	3	Byadagi Kaddi Pusa Jwala	40	MS
		Medium (0.81-1.5)	5	Arka Harita Lam 353		
		Broad (>1.5)	7	Byadagi Dabbi KTPL-19		
29b (* (*)	Fruit: Diameter (fruits measured at the widest point in cm) [bell pepper]	Narrow (<3)	3	Solan Bharpur	40	MS
		Medium (3.01-5)	5	KT-1 (Katrain) Arka Basant		
		Broad (>5)	7	Arka Mohini California Wonder		
30 (* (+)	Fruit: Shape in longitudinal section	Oblate	1	-----	40	VG
		Circular	2	-----		
		Cordate	3	Solan Bharpur		
		Square	4	Arka Mohini California Wonder		
		Rectangular	5	Arka Basant		
		Trapezoidal	6	Arka Gaurav		
		Moderately triangular	7	Byadagi Dabbi KTPL-19		
		Narrowly triangular	8	Pusa Jwala Byadagi Kaddi		
Horn shaped	9	Prasanth Anugraha				

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Others (specify)	10	-----		
31 (+)	Fruit: Curvature	Absent	1	Arka Suphal	40	VG
		Present	9	Pusa Jwala		
32 (+)	Fruit: Curvature intensity	Low	3	Kashi Sindhuri	40	VG
		Medium	5	Pusa Jwala		
		High	7	Byadagi Kaddi		
33 (+)	Fruit: Neck at basal end	Absent	1	Arka Suphal Arka Sweta	40	VG
		Present	9	Kashi Sindhuri		
34 (* (+)	Fruit: Cross sectional corrugation (at level of placenta)	Round	3	Phule Mukta Punjab Gucchedhar	40	VG
		Slightly corrugated	5	Arka Lohit Prasanth		
		Strongly corrugated	7	Byadagi Dabbi Byadagi Kaddi		
35 (* (+)	Fruit: Sinuation of pericarp	Weak	3	Arka Suphal Hungarian Yellow Wax	40	VG
		Medium	5	Arka Lohit Prasanth		
		Strong	7	Byadagi Dabbi Arka Abhir		
36 (* (+)	Fruit: Texture of surface	Smooth	3	Arka Sweta Arka Suphal	40	VG
		Slightly rough	5	Arka Abhir		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
				Arka Meghana		
		Rough	7	Byadagi Dabbi Byadagi Kaddi		
37 (*)	Fruit: Colour (at ripe maturity)	Yellow	1	Utkal Yellow Arka Gaurav	50	VG
		Orange	2	Arka Basant		
		Red	3	Arka Suphal Arka Mohini		
		Brown	4	-----		
		Others (specify)	5	-----		
38	Fruit: Intensity of colour (at maturity)	Light	3	Pusa Jwala (Red)	50	VG
		Medium	5	Arka Lohit (Red) Phule Jyoti (Red)		
		Dark	7	Arka Abhir (Red) Byadagi Dabbi (Red)		
39	Fruit: Color transition	One stage	3	Pusa Jwala	50	VG
		Two stages	5	Byadagi Dabbi Arka Basant		
		>Two stages	7	-----		
40	Fruit: Glossiness	Weak	3	Kashi Sindhuri	40	VG
		Medium	5	KTPL-19 Byadagi Dabbi		
		Strong	7	Arka Suphal Lam 353		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
41 (* (+)	Fruit: Shape at the base	Acute	3	Arka Lohit Prasanth	40	VG
		Round	5	Arka Abhir KTPL-19		
		Sunken	7	Arka Mohini California Wonder		
42 (+)	Fruit: Shape of apex	Acute	1	Arka Lohit Prasanth	40	VG
		Blunt	3	Hungarian Yellow Wax KTPL-19		
		Depressed	5	Arka Mohini		
		Depressed & Acute	7	Arka Gaurav		
		Others (specify)	9	-----		
43 (*	Fruit: Number of Locules/ lobes (bell pepper)	2	1	-----	40	MG
		2-3	2	KT-1 (Katrain) Kandaghat Selection-1		
		3	3	-----		
		3-4	4	Arka Mohini California Wonder		
		>4	5	-----		
44 (*	Fruit: Pericarp thickness (at physiological mature stage)	Very thin (<1)	1	Arka Lohit Prasanth	40	MS
		Thin (1.01-2)	3	Arka Suphal Byadagi Kaddi		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
		Medium (2.01-3)	5	Byadagi Dabbi Arka Abhir		
		Thick (3.01-4)	7	Hungarian Yellow Wax Arka Sweta		
		Very thick (>4)	9	Arka Mohini California Wonder		
45	Fruit: Stalk Length (cm)	Very short (<1.5)	1	Kashi Anmol Kandaghat Selection-1	40	MS
		Short (1.6-2.5)	3	Byadagi Dabbi KT-1 (Katrain)		
		Medium (2.6-3.5)	5	Arka Abhir Arka Suphal		
		Long (3.6-4.5)	7	California Wonder Lam 353		
		Very long (>4.5)	9	HDC-75 PC-56		
46 (+)	Fruit: Calyx Cover	Non-enveloping	1	Byadagi Dabbi Arka Basant	40	VG
		Enveloping	9	Arka Lohit Prasanth		
47 (+)	Fruit: Calyx Margin	Smooth	1	Punjab Surkh LCA 333	40	VG
		Dented	9	Pusa Jwala Prasanth		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
48 (+)	Fruit: Calyx Constriction	Absent	1	Arka Suphal Pusa Sadabahar	40	VG
		Present	9	Kashi Sindhuri Jayanti		
49	Fruit: Pedicel attachment	Weak	1	Arka Sweta	40	VG
		Strong	9	Arka Lohit		
50 (+)	Fruit: Blossom end appendage	Absent	1	Arka Mohini	50	VG
		Present	9	Arka Gaurav		
51	Fruit: Days to 50% ripening (from the date of sowing)	Early (<100days)	3	Arka Meghana MI-2	50	MS
		Medium(101-120days)	5	Arka Khyati Prasanth		
		Late (>120 days)	7	Arka Harita Arka Lohit		
52	Seed: 1000 seed weight (g)	Low (<4)	3	Pusa Sadabahar Hungarian Yellow Wax	60	MS
		Medium (4.01-6)	5	Arka Suphal Prasanth		
		High (>6)	7	Arka Lohit K-1		
53	Seed: Recovery (%)	Low (<30)	3	Arka Khyati Pusa Jwala	60	MS
		Medium (30.1-50)	5	Arka Suphal		

S. No.	Characteristics	States	Note	Example variety/ varieties	Stage of observation	Type of assessment
				Utkal Yellow		
		High (>50)	7	Chilli Japani Longi Pusa Sadabahar		
54	Seed: Colour	Light yellow	3	Arka Sweta, Arka Basant	60	MG
		Yellow	5	Arka Suphal Utkal Yellw		
		Orange yellow	7	Pusa Sadabahar Prasanth		
		Others (specify)	9	-----		

VIII. Explanations for the Table of Characteristics:

Characteristic # 2: Plant: Habit



(3)

Spreading



(5)

Semi-upright



(7)

Upright

Characteristic # 10: Stem: Intensity of pubescence (hairiness)



Sparse



Medium



Strong

Characteristic # 17: Leaf: shape



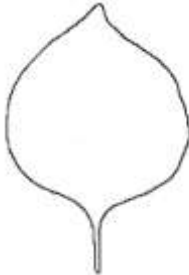
(1)

Lanceolate



(2)

Ovate



(3)

Broad elliptic

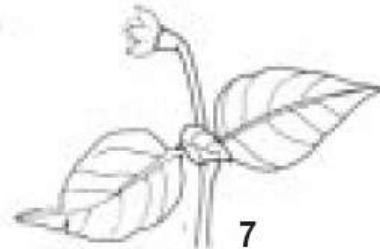
Characteristic # 24: Flower/ Fruit Orientation



Drooping



Semi-drooping



Erect

Characteristic # 30: Fruit: shape in longitudinal section



(1)

Oblate



(2)

Circular



(3)

Cordate



(4)

Square



(5)

Rectangular



(6)

Trapezoidal



(7)

Moderately triangular



(8)

Narrowly triangular



(9)

Horn shaped

Characteristic # 31: Fruit: Curvature



(1)

Absent



(9)

Present

Characteristic # 32: Fruit: Curvature intensity



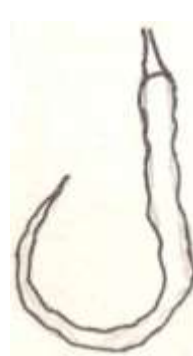
(3)

Low



(5)

Medium



(7)

High

Characteristic # 33: Fruit: Neck at basal end



(1)

Absent



(9)

Present

Characteristic # 34: Fruit: Shape in cross section



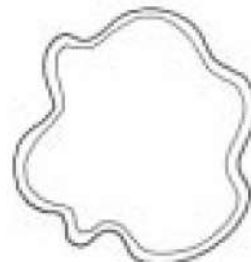
3

Round



5

Slightly corrugated



7

Strongly corrugated

Characteristic # 35: Fruit: Sinuation of pericarp



(3)

Weak



(5)

Medium



(7)

Strong

Characteristic # 41: Fruit: Shape at base



(3)

Acute



(5)

Round



(7)

Sunken

Characteristic # 42: Fruit: Shape at apex



(1)

Acute



(3)

Blunt



(5)

Depressed



(9)

Depressed & acute

Characteristic # 46: Calyx: Cover



(1)

Non-enveloping



(9)

Enveloping

Characteristic # 47: Calyx: Margin



(1)

Smooth



(9)

Dented

Characteristic # 48: Calyx: Constriction



(1)

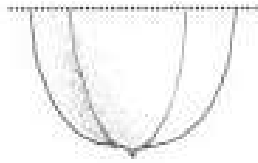
Absent



(9)

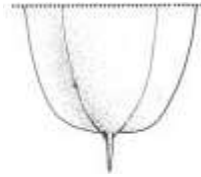
Present

Characteristic # 50: Fruit: Blossom end appendage



(1)

Absent



(9)

Present

IX. Literature:

IPGRI, AVRDC and CATIE. 1995. Descriptors for *Capsicum* (*Capsicum* spp.). International Plant Genetic Resources Institute, Rome, Italy; the Asian Vegetable Research and Development Center, Taipei, Taiwan and the Centro Agronómico Tropical de Investigación y Enseñanza, Turrialba, Costa Rica. ISBN 92-9043-216-0. Pp 49.

X. Working Group Details:

The test guidelines were developed by the National Core Committee in consultation with the Director, Indian Institute of Horticultural Research (IIHR), Bangalore, the Nodal Officer, Co-Nodal Officers, DUS testing centers and the Task Force (7/2014) constituted by the PPV&FR Authority.

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Dr K.V. Peter Director, World Noni Research Foundation, Chennai Former Vice Chancellor, KAU, Kerala	: Member
Dr V. A. Parthasarathy Former Director & Emeritus Scientist, IISR, Calicut	: Member
Dr O. P. Dutta Former Head & Principal Scientist,	: Member

Division of Vegetable Crops,IIHR, Bangalore

: Member

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: Member

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XI. DUS test centres

Nodal DUS Centre	Co-Nodal DUS Centre
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Finger millet (*Eleusine coracana* (L.) Gaertn.

I. Subject

These test guidelines shall apply to all varieties, hybrids and parental lines of Finger millet (*Eleusine coracana* L. Gaertn.)

II. Materials required

1. The Protection of Plant Varieties and Farmers' Right Authority (PPV&FRA) shall decide when, where and in what quantity and quality of the seed material is required for testing a varietal denomination applied for registration, under The 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 seed material to be supplied by the applicant shall be 250 grams. The seed shall be packed and sealed in ten equal weighing packets (25 gm each) and submitted in one lot. In addition, 10 panicles need to be submitted.
2. The seeds submitted shall have the following standards for germination capacity, moisture content and physical purity
 - a) Germination : 80% (Minimum)
 - b) Moisture content : 10-12% (Maximum)
 - c) Physical purity : 97% (Minimum)
 - d) Inert matter : 3% (Maximum)
3. 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. It also shall possess the highest genetic purity, uniformity, sanitary and phyto-sanitary standards as per national requirements.
4. The plant material shall not have been subjected to any chemical and bio-physical treatment.

III. Conduct of tests

1. The minimum duration of the DUS test 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 test 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 its parts 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 480 plants across four replications.
4. Test plot design:

Number of rows	:	04
Row length	:	3.0m
Row to row distance	:	30cm
Plant to plant distance	:	10 cm
Number of replications	:	04
5. Observations shall not be recorded on plants in border rows.
6. Additional tests for special purpose shall be established by the PPV& FR Authority.

IV. Methods and observation

1. The characteristics described in the table of characteristics (see Section VII) shall be used for the testing of varieties, Parental lines and hybrids for their DUS.
2. For the assessment of Distinctness and Stability, observations shall be made on 40 plants or parts of 40 plants, which shall be divided among 4 replications (10 plants in each replication).
3. For the assessment of Uniformity of characteristics on the plot as a whole (visual assessment by a single observation of a group of plants or parts of plants), the number of off types (including plant parts) should not exceed 2 in 100.
4. For the assessment of all colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.

V. Grouping of varieties

1. The candidate varieties for DUS testing shall be divided into groups to facilitate assessment of Distinctness. Characteristics which are suitable for grouping purpose are those which do not vary or vary slightly, within a variety. Their various states of expression should be fairly evenly distributed throughout the collection.
2. The following characteristics are proposed to be used for grouping Finger millet varieties:
 - a) Kharif , Summer or Rabi Adaptation
 - b) Plant: Pigmentation at leaf jucture (Characteristic 2)

- c) Days to 50 percent flowering (Characteristic 4)
- d) Ear : Shape (Characteristic 10)
- e) Finger: Branching (Characteristic 11)
- f) Seed: Colour (Characteristic 23)

VI. Characteristics & symbol

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. Notes (1 to 9) shall be given for each state of expression for different characteristics for the purpose of electronic 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. A decimal code number in the sixth column of Table of characteristics indicates the optimum stage for the observation of each characteristic during the growth and development of plant.

Decimal code for the growth stage

Stage code	General Description
04	Seedling
15	2-4 Leaf stage
26	Vegetative
54	Flowering
67	Dough stage
77	Seed filling
83	Maturity
87	Harvest
95	After harvest

5. The optimum stage of plant growth for assessment of each characteristic is given in the sixth column.
6. Type of assessment of characteristics indicated in column 7 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

VII. Table of Characteristics

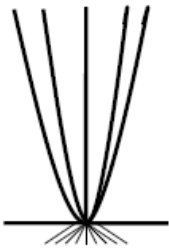
S No.	Characteristics	Status	Note	Example variety	Stage of observation	Type of assessment
1	2	3	4	5	6	7
1 (* (+)	Plant: Growth Habit	Erect	1	GPU67	15	VG
		Decumbent	5	GPU 45		
		Prostrate	7	IC 479016		
2 (* (+)	Plant: Pigmentation at leaf juncture	Absent	1	GPU 67	54	VS
		Present	9	GPU 48		
3	Leaf Sheath Pubescence	Absent	1	Indira Ragi 1	54	VG
		Present	9	VR 936(Hima)		
4 (* (+)	Days to 50 % flowering	Early (<55 days)	3	PRM 1	54	MG
		Medium (55- 70 days)	5	GPU 28		
		Late (>70 days)	7	Indira Ragi 1		
5 (* (+)	Glume: Colour	White RHS No NN155C	1	OUAT-2	54	VG
		Light Green RHS No 149A	3	GN 4		
		Dark green RHS No 141C	5	GPU 67		
		Light purple RHS No 59C	7	Indira Ragi 1		
		Dark purple RHS No 61C	9	IC 479088		
6 (+)	Stem: Culm branching	Absent	1	ML 365	67	VS
		Present	9	GPU 67		
7 (+)	Flag leaf : Blade length(cm)	Short (<15)	1	-	67	MS
		Medium(15.0-30.0)	3	Try 1		
		Long(30.1-45.0)	5	ML 365		
		Very long(>45.0)	7	GE 5004		
8 (+)	Flag leaf: Blade width (cm)	Narrow (<1.0)	3	GPU 67	67	MS
		Medium (1.0-2.0)	5	Indira Ragi 1		
		Wide (>2.0)	7	-		

9 (+)	Peduncle: Length (cm)	Very short (<10)	1	-	67	MS
		Short (10.0-20)	3	VR 762		
		Medium (20.1-30)	5	KMR 301		
		Long (30.1-40)	7	GN 4		
		Very long (>40)	9	-		
10 (* (+)	Ear : Shape	Fist type	1	VR 708	67	VG
		Compact	3	GPU 66		
		Semi compact	5	GPU 28		
		Open	7	Try 1		
		Droopy	9	GE 666		
11 (* (+)	Finger: Branching	Absent	1	GPU 45	67	VG
		Present	9	Indaf 7		
12 (+)	Finger: Position of branching	In thumb finger	3	Indaf 7	67	VG
		In all the fingers	5	GE 4846		
13 (+)	Finger: Multiple whorl	Absent	1	GPU 67	67	VG
		Present	9	GN 4		
14 (+)	Ear head: Length (cm)	Very Short (<4)	1	-	67	MS
		Short (4.0-6.0)	3	GPU 67		
		Short to medium (6.1-8.0)	4	GPU 45		
		Medium (8.1-10.0)	5	Indaf 15		
		Long (10.1-12)	7	KOPN 235		
		Very long (>12)	9	Indira Ragi 1		
15 (+)	Finger: Length (cm)	Short (<5)	3	VR 762	67	MS
		Medium (5.0-7.0)	5	GPU 28		
		Long (>7)	7	Indira Ragi 1		
16 (+)	Finger: Width (cm)	Narrow (<0.7)	3	GN 3	67	MS
		Medium (0.7-1.0)	5	MR 6		
		Wide (>1.0)	7	HR 911		
17	Finger: Number	Low (<5)	3	-	67	MS
		Medium	5	KMR 204		

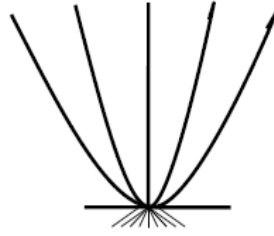
	on main ear	(5.0-8.0)				
		High (>8)	7	GPU 66		
18 (*)	No of productive tillers /plant	Low (1-3)	3	GPU 66	83	MS
		Medium(4-6)	5	GPU 67		
		High (>6)	7	GE 3666		
19 (*) (+)	Plant: height at maturity (cm)	Very short (<40)	1	GE 6815	83	MS
		Short (40.0-80.0)	3	GPU 67		
		Medium (80.1-120.0)	5	Indira Ragi 1		
		Tall (120.1-160.0)	7	MR 6		
		Very Tall (>160)	9	-		
		Very low	3	VR 936 (Hima)		
		Moderate	5	ML 365		
		High	7	L5		
20 (*)	Seed: Shattering	Absent	1	GPU 66	83	VG
		Present	9	GPU 67		
21 (*)	Seed: Covering by glumes	Enclosed	2	Try 1	83	VG
		Intermediate	4	GPU 67		
		Exposed	6	GE 1126		
22 (*)	Seed: Colour	White RHS No NN155C	2	OUAT 2	83	VG
		Light Brown RHS No N172D	4	ML 365		
		Copper Brown RHS No N175A	6	GPU 67		
		Dark Brown RHS No N178A	8	Indira ragi 1		
23 (*)	Seed: Shape	Round	1	GPU 45	95	VG
		Reniform	3	GPU 66		
		Ovoid	5	-		
24 (*)	Seed: Surface	Smooth	3	KOPN 235	95	VG
		Rough	7	PPR 2700 (Vakula)		
25	Pericarp: Persistence after threshing	Non Persistent	1	OEB 532	95	VG
		Persistent	9	GN 5		
26 (*)	1000 grain weight(g)	Low (<2)	3	GE 2948	95	MG
		Medium (2-3)	5	PRM 1		
		High (>3)	7	ML 365		

VIII. Explanations for the Table of Characteristics

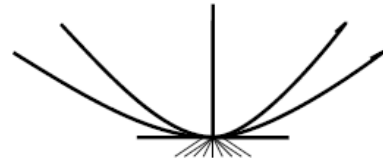
Characteristic 1. Plant: Growth habit



1
Erect



5
Decumbent



7
Prostrate

Characteristic 4. Days to 50 % flowering

Days to 50% flowering are from sowing to the stage when ears have emerged from 50% of main tiller.

Characteristic 6. Stem: Culm branching



(1)
Absent



(9)
Present

Characteristic 7. Flag Leaf: Blade length (cm)

Flag leaf blade length is measured from ligule to flag leaf blade tip.

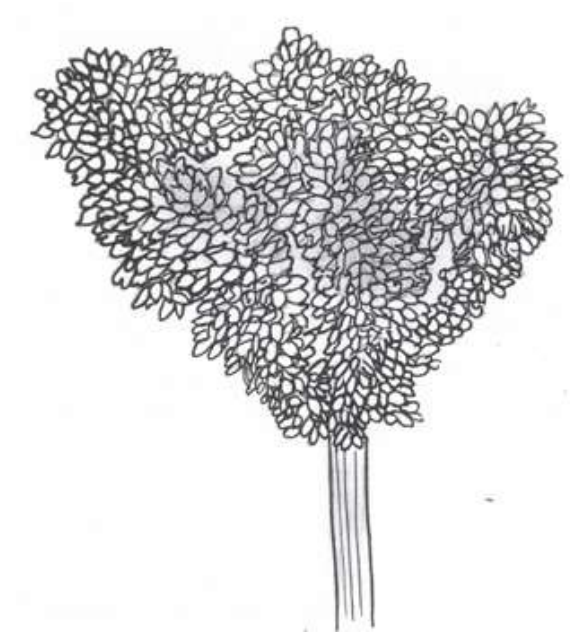
Characteristic 8. Flag Leaf: Blade width (cm)

Flag leaf blade width is measured at the widest point of the flag leaf.

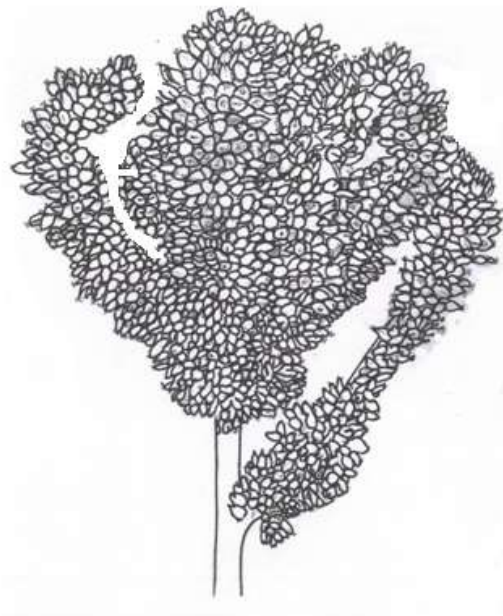
Characteristic 9. Peduncle: Length (cm)

Peduncle length is measured from earhead base to the topmost node of main tiller.

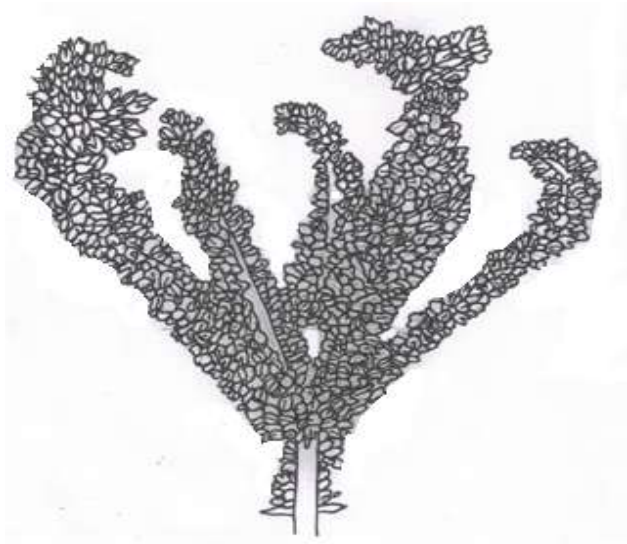
Characteristic 10. Ear: Shape



**(1)
Fist**



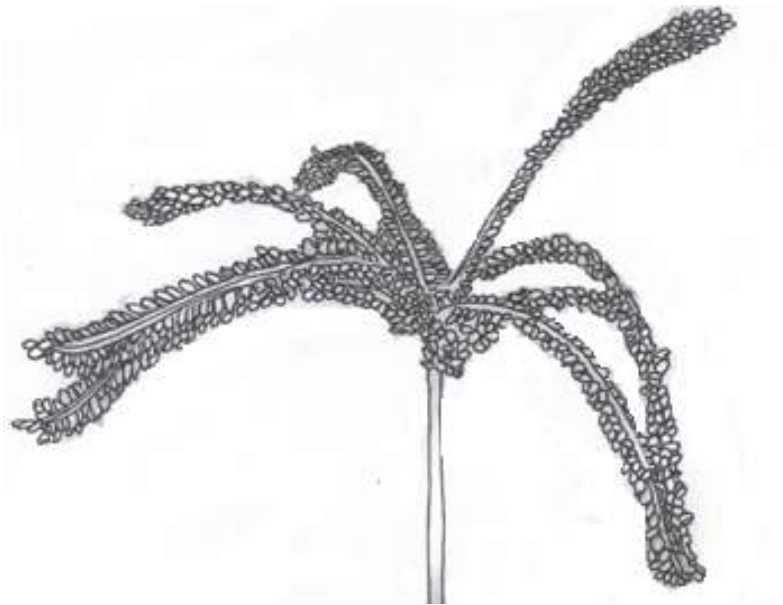
**(3)
Compact**



(5)
Semi compact



(7)
Open

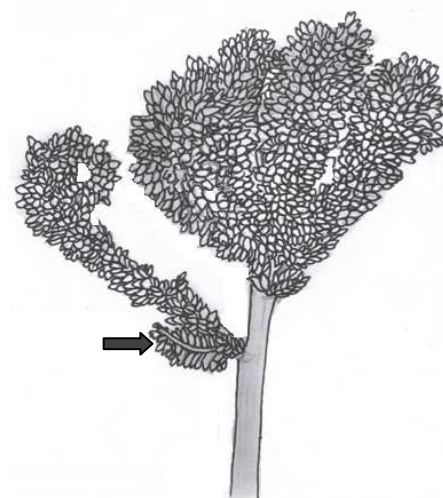


(9)
Droopy

Characteristic 11. Finger: Branching

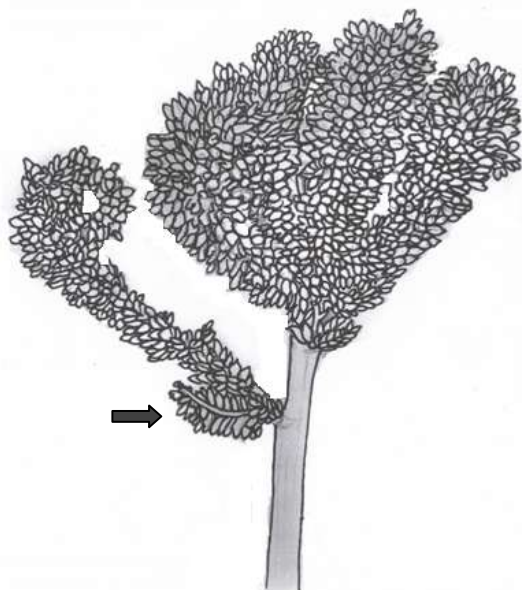


(1)
Absent



(9)
Present

Characteristic 12. Finger: Position of branching

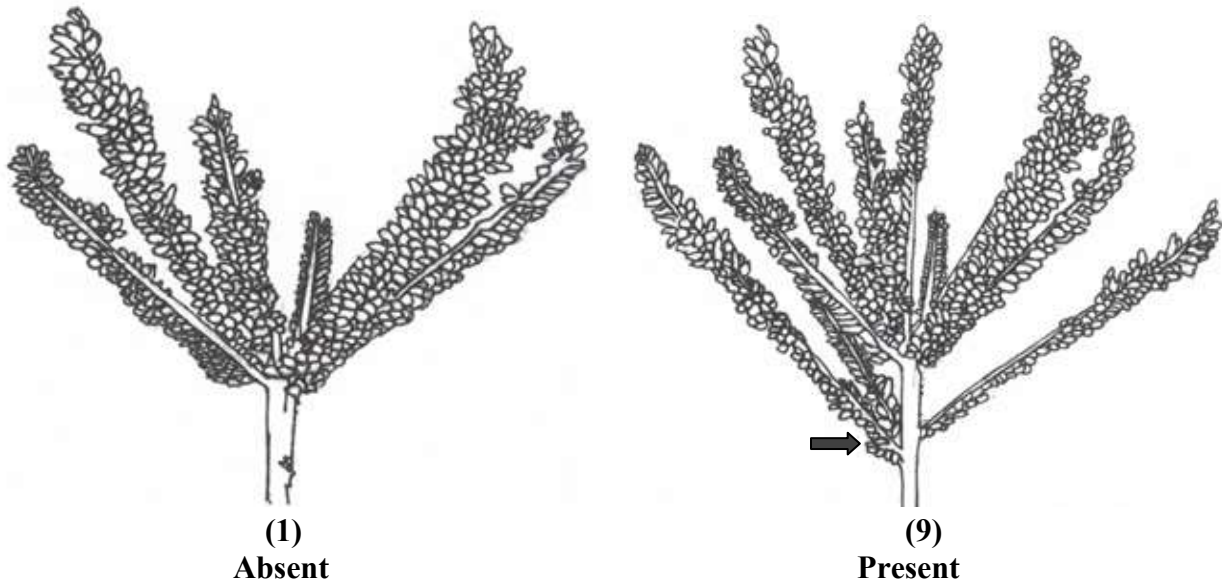


(3)
In thumb finger



(5)
In all the fingers

Characteristic 13. Finger: Multiple whorl

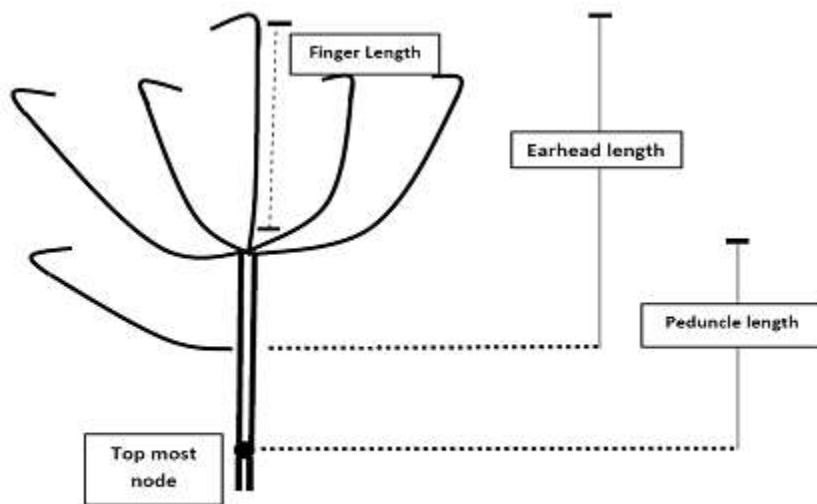


Characteristic 14. Earhead: Length (cm)

Earhead length is measured from base of thumb finger to the tip of the longest finger.

Characteristic 15. Finger: Length (cm)

Finger length is measured from the base of the longest finger on the main ear to the tip.



Characteristic 16. Finger: Width (cm)

Finger width is measured at the widest point of Finger.

Characteristic 19. Plant: Height at maturity (cm)

Plant height is measured from ground level to the tip of the earhead of the main tiller.

IX. Working Group Details:

These Test guidelines have been developed by the National Core Committee in Consultation with the Project Coordinator, All India Coordinated Small Millets Improvement Project at UAS, GKVK, Bangalore-560 065 and the Nodal Officer, DUS Test Centre and Task Force constituted by the Authority. Technical inputs were also provided by Dr. D.S. Pilania (Technical Assistant), Dr. Ravinder Kumar (Technical Examiner), Ms. Vijaya Chaudhary (Technical Examiner).

The members of the Task Force

Dr. K. Narayana Gowda, Former VC UAS, Bengaluru	- Chairman
Dr. A. Seetharam, Former PC (AICPMIP), UAS, Bengaluru	- Member
Prof. B.T. Shankare Gowda, Former Prof. UAS, Bengaluru	- Member
Dr. MVC Gowda, PC(AICSMIP), UAS, Bengaluru	- Member
Dr. Manoj Srivastava, PPV&FRA, New Delhi	- Member
Dr. K.T. Krishne Gowda, Former PC(AICSMIP), UAS Bengaluru	- Special Invitee
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Nodal Person(s) for development of the DUS Guideline

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X. DUS Test Centres

Nodal DUS Centre	Other Test Centre(s)
All India Coordinated Small Millets Improvement Project UAS, GKVK, Bangalore-560 065	Agricultural Research Station, Gajularega, Vizianagaram-531 001, Andhra Pradesh

Foxtail millet (*Setaria italica* (L.) Beauv)

I. Subject

These test guidelines shall apply to all varieties, hybrids and parental lines of Foxtail millet (*Setaria italica* (L.) Beauv).

II. Material required

1. The Protection of Plant Varieties and Farmers' Right Authority (PPV&FRA) shall decide when, where and in what quantity and quality of the seed material is required for testing a varietal denomination applied for registration under the 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 250 grams. The seed shall be packed and sealed in ten equal weighing packets (25 gm each) and submitted in one lot. If requested by the competent authority, the applicant shall submit 10 panicles.
2. The seeds submitted shall have the following standards for germination capacity, moisture content and physical purity.

a) Germination	:	80% (Minimum)
b) Moisture content	:	10 – 12% (Maximum)
c) Physical purity	:	97% (Minimum)
d) Inert matter	:	3% (Maximum)
3. 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. It also shall possess the highest genetic purity, uniformity, sanitary and phyto-sanitary standards.
4. The plant material shall not have been subjected to any chemical and bio-physical treatment.

III. Conduct of tests

1. The minimum duration of the DUS test shall normally be at least two independent similar growing seasons.
2. The test shall normally be conducted at least in two locations. If any essential characters of the candidate variety are not expressed 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 test 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 its parts could be removed for measurement and observation without prejudicing the other observations on the standing plant until the end of growing period. Each test shall include about 480 plants across four replications. Separate plots for observation on disease/ pest resistance for those varieties claiming resistance shall be laid out in two replications.

4. **Test plot design:**

Number of rows	:	04
Row length	:	3.0 m
Row to row distance	:	30cm
Plant to plant distance	:	10 cm
No. of replication	:	04

5. Observations shall not be recorded on plants in border rows.
6. Additional tests for special purpose shall be established by the PPV& FR Authority.

IV. Methods and observations

1. The characteristics described in the table of characteristics (see Section VII) shall be used for testing of varieties, inbred lines and hybrids for their DUS.
2. For the assessment of Distinctness and Stability, observations shall be recorded on 40 plants or parts of 40 plants, which shall be divided among 4 replications (10 plants in each replication).
3. For the assessment of Uniformity of characteristics on the plot as a whole (visual assessment by a single observation of a group of plants or parts of plants), the number of deviants (including plant parts) should not exceed 2 in 100.
4. For the assessment of all colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.

V. Grouping of varieties

1. The candidate varieties for DUS testing shall be divided into groups to facilitate assessment of Distinctness. Characteristics which are suitable for grouping purpose are

those which do not vary or vary slightly, within a variety. Their various states of expression should be fairly evenly distributed throughout the collection.

2. The following characteristics are proposed to be used for grouping Foxtail millet varieties:
 - a) Plant Pigmentation (Characteristic 3)
 - b) Days to 50% flowering (Characteristic 10)
 - c) Inflorescence Shape (Characteristic 11)
 - d) Inflorescence bristles(Characteristic 12)
 - e) Seed colour(Characteristic 21)

VI Characteristics & symbol

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. Notes (1 to 9) shall be given for each state of expression for different characteristics for the purpose of electronic 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. A decimal code number in the sixth column of Table of characteristics indicates the optimum stage for the observation of each characteristic during the growth and development of plant.

Decimal code for the growth stage

Stage code	General Description
04	Seedling
15	2-4 Leaf stage
26	Vegetative
54	Flowering
67	Dough stage
77	Seed filling
83	Maturity

87	Harvest
95	After harvest

- The optimum stage of plant growth for assessment of each characteristic is given in the sixth column.
- Type of assessment of characteristics indicated in column 7 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

VII. Table of Characteristics

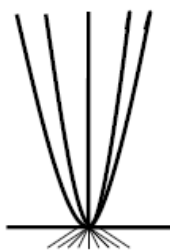
S. No.	Character	Status	Note	Example Varieties	Stage of observations	Type of assesment
1	2	3	4	5	6	7
1 (* (+)	Plant: Growth habit	Erect	1	SiA 3088 (Surya Nandi)	04	VG
		Decumbent	5	EC-104309		
		Prostrate	7	-		
2	Leaf: Colour	Light Green (RHS NO 149C)	1	Pratap Kangini (SR 51)	26	VG
		Green (RHS NO 134A)	2	HMT 100-1		
		Dark green (RHS NO 141A)	3	SiA 3088 (Surya Nandi)		
		Yellow (RHS NO 2B)	5	ISe 148(IC0077803)		
		Purple (RHS NO N78B)	7	IC 77732		
		Deep purple (RHS NO N79C)	8	ISe 294(IC0077952)		
3 (*	Plant: Pigmentation at auricle	Absent	1	SiA 3088 (Surya Nandi)	54	VG
		Present	9	SiA 2644 (Sri Lakshmi)		
4 (+)	Leaf: Attitude	Erect	3	IC 78130	54	VG
		Droopy	7	Meera (SR 16)		
5	Leaf Sheath: Pubescence	Absent	1	-	54	VG
		Present	9	Pratap Kangini		
6	Leaf sheath: Intensity of Pubescence	Low	3	SiA 3085	54	VG
		Medium	5	Meera(SR 16)		
		High	7	Pratap Kangini(SR 51)		

7	Leaf Blade: Pubescence	Absent	1	Meera (SR 16)	54	VG
		Present	9	Krishnadevaraya		
8 (+)	Flag leaf: Blade length(cm)	Short(<20)	3	ISe 175	54	MS
		Medium(20-35)	5	Meera (SR 11)		
		Long(>35)	7	Surya Nandi (SiA 3088)		
9 (+)	Flag leaf : Blade width (cm)	Narrow(<1.5)	3	GS 678	54	MS
		Medium(1.5-3.0)	5	SiA 2644 (Sri Lakshmi)		
		Wide(>3.0)	7	IC 46616		
10 (* (+)	Days to 50% flowering	Early(<40)	3	ISe 5	54	MG
		Medium(40-55)	5	Surya Nandi (SiA 3088)		
		Late(>55)	7	GS 731		
11 (* (+)	Inflorescence: Shape	Oblong	1	Pratap Kangini	54	VG
		Pyramidal	3	IC 600968		
		Cylindrical	5	SiA 3088 (Surya Nandi)		
12 (* (+)	Inflorescence: Bristles	Absent	1	IC 600968	54	VG
		Present	9	Sri Lakshmi (SiA 2644)		
13 (* (+)	Inflorescence: Length of bristles	Short	3	Surya Nandi (SiA 3088)	54	VG
		Medium	5	SiA 3085		
		Long	7	Sri Lakshmi (SiA 2644)		
14 (+)	Peduncle: Length(cm)	Short(<20)	3	GS 1929	54	MS
		Medium(20.0-30)	5	SiA 3156		
		Long(30.1-40)	7	ISe 335		
		Very long(>40)	9	ISe 59		
15 (+)	Inflorescence: Apical sterility	Absent	1	IC 78073	67	VG
		Present	9	Sri Lakshmi (SiA 2644)		
16 (* (+)	Inflorescence: Compactness	Lax	3	TNAU 186	67	VG
		Medium	5	Meera (SR 11)		
		Compact	7	Surya Nandi		
17 (+)	Inflorescence: Lobes	Absent	1	IC 600968	67	VG
		Present	9	Meera (SR 11)		

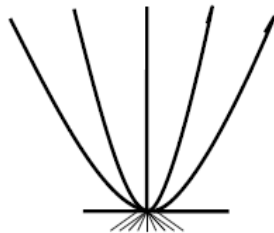
18 (+)	Plant: Height at maturity (cm)	Short (<80)	3	ISe 42	83	MS
		Medium (80.0-120)	5	SiA 3085		
		Tall (>120)	7	ISe 241		
19	Number of Productive tillers per plant	Low(<4)		SiA 3085	83	MS
		Moderate(4.0-8)		IC 46638		
		Profuse(>8)		GS 2095		
20 (+)	Earhead : Length(cm)	Short(<10)	1	ISe 58	83	MS/MG
		Medium (10.0-15.0)	3	CO 7		
		Long(>15)	5	HMT 100-1		
21 (*)	Seed : Colour	Whitish (RHS NO 161C)	1	Krishnadevaraya	83	VG
		Yellow (RHS NO 163C)	3	K 221-1		
		Brown (RHS NO 187B)	4	IC 77687		
		Orange (RHS NO N172C)	6	IC 78285/PRK 1		
		Black (RHS NO 203 A)	7	IC 78073		
22 (*)	Seed: Shape	Elliptical	2	Lepakshi (AK 132-1)	95	VG
		Oval	4	Pratap Kangini		
23 (*)	1000 grain weight (g)	Low(<2)	2	GS 145	95	MG
		Medium(2.0-4)	4	SiA 3156		
		High(>4)	6	GS 128		

VIII. Explanations for Table of Characteristics

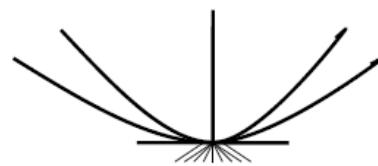
Characteristic 1. Plant: Growth habit



(1)



(5)



(7)

Erect

Decumbent

Prostrate

Characteristic 4. Leaf: Attitude



(3)
Erect



(7)
Droopy

Characteristic 8. Flag leaf: Blade length (cm)

Flag leaf blade length is measured from ligule to flag leaf blade tip.

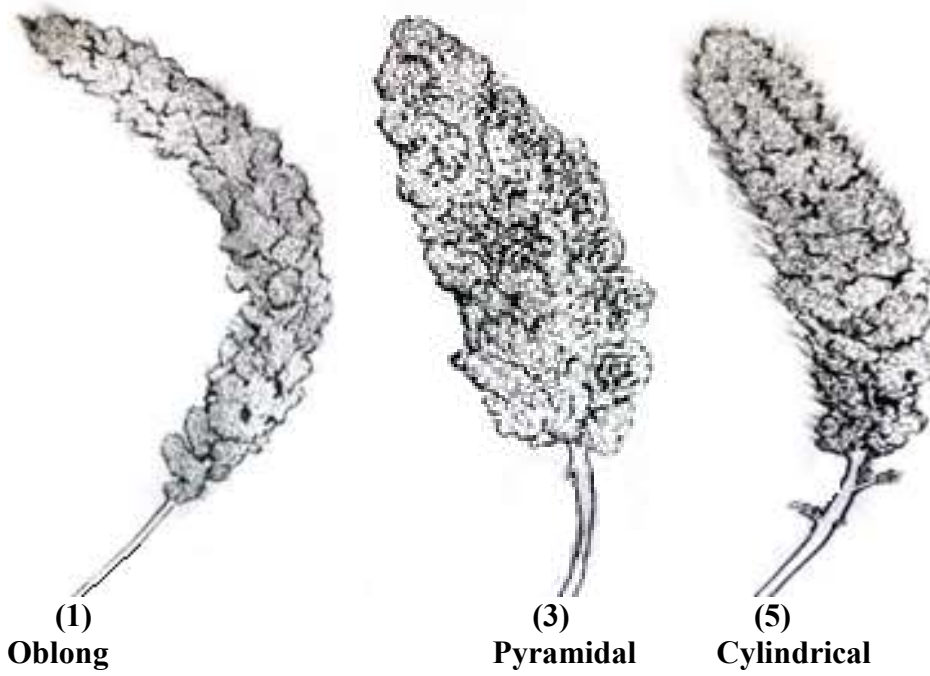
Characteristic 9. Flag leaf: Blade width (cm)

Flag leaf blade width is measured at the widest point of the flag leaf

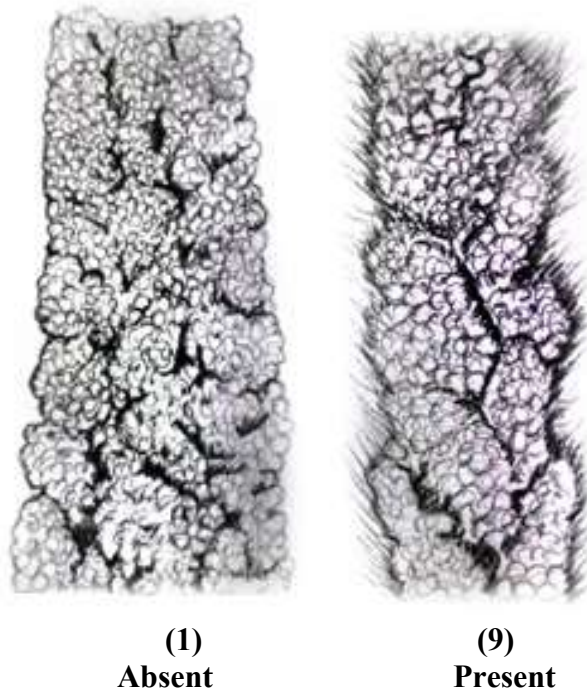
Characteristic 10. Days to 50 % flowering

Days to 50% flowering is from sowing to the stage, when ears have emerged from 50% of main tiller.

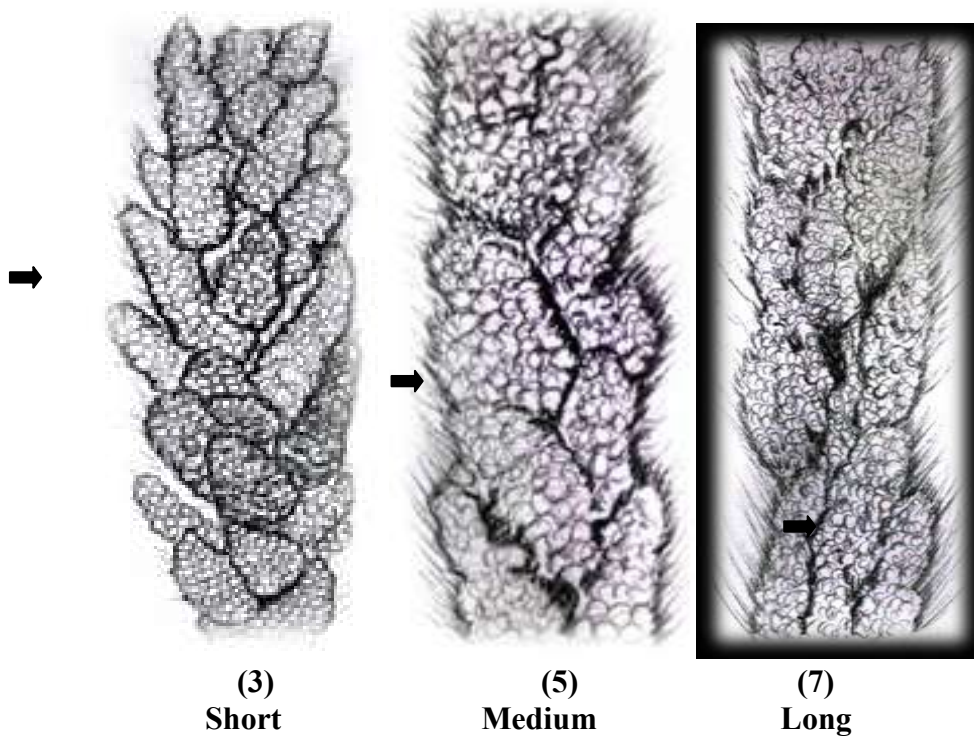
Characteristic 11. Inflorescence: Shape



Characteristic 12. Inflorescence: Bristles



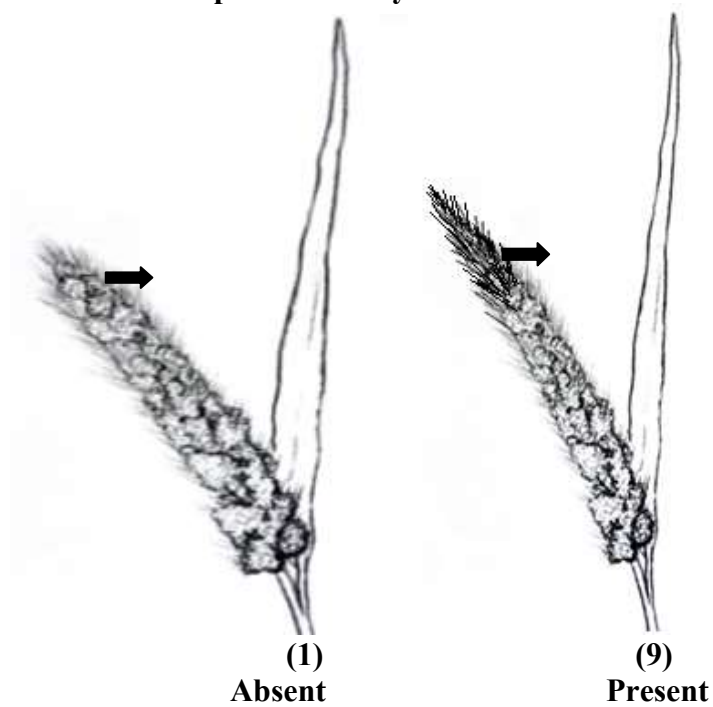
Characteristic 13. Inflorescence: Length of bristles



Characteristic 14. Peduncle: Length (cm)

Peduncle length is measured from earhead base to the top most node of main tiller.

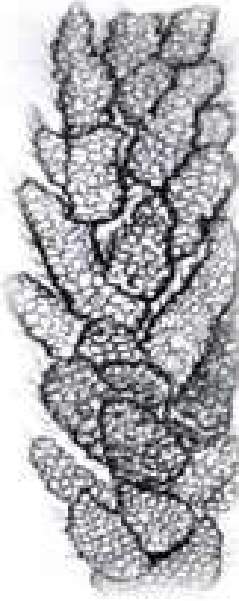
Characteristic 15. Inflorescence Apical: Sterility



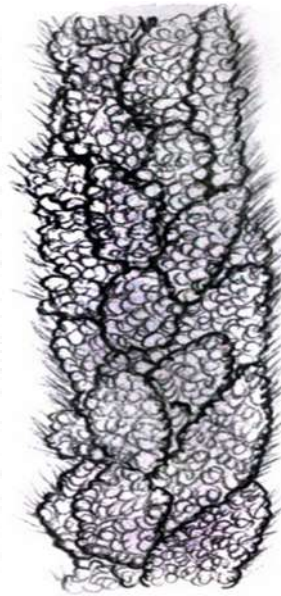
Characteristic 16. Inflorescence: Compactness



(3)
Lax

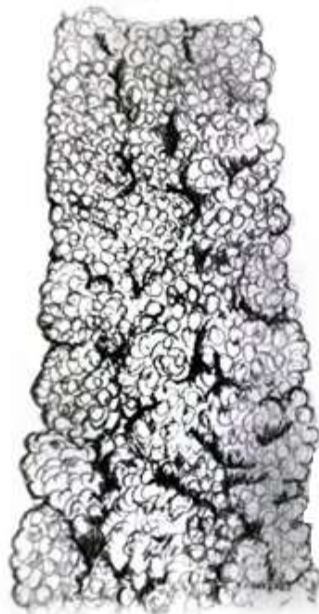


(5)
Medium

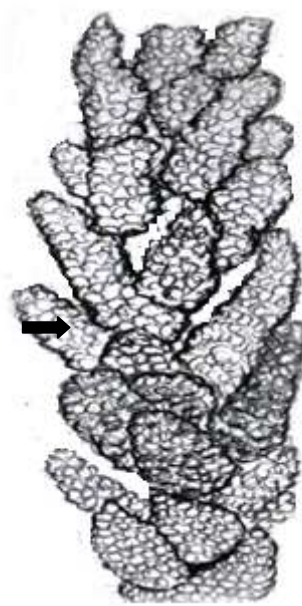


(7)
Compact

Characteristic 17. Inflorescence: Lobes



(1)
Absent



(9)
Present

Characteristic 18. Plant: Height at maturity(cm)

Plant height is measured from ground level to the tip of the ear head of main tiller.

Characteristic 20. Ear head length (cm)

Ear head length is measured from base of inflorescence to its tip .

IX. Working Group Details:

These Test guidelines have been developed by the National Core Committee? in consultation with the Project Coordinator, All India Coordinated Small Millets Improvement Project at UAS, GKVK, Bangalore-560 065 and the Nodal Officer, DUS Test Centre and Task Force constituted by the Authority. Technical inputs was also provided by Dr. D.S. Pilania (Technical Assistant), Dr. Ravinder Kumar (Technical Examiner), Ms. Vijaya Chaudhary (Technical Examiner) .

The members of the Task Force

Dr. K. Narayana Gowda, Former VC UAS, Bengaluru	- Chairman
Dr. A. Seetharam, Former PC (AICPMIP), UAS, Bengaluru	- Member
Prof. B.T. Shankare Gowda, Former Prof. UAS, Bengaluru	- Member
Dr. MVC Gowda, PC (AICSMIP), UAS, Bengaluru	- Member
Dr. Manoj Srivastava, PPV&FRA, New Delhi	- Member
Dr. K.T. Krishne Gowda, Former PC (AICSMIP), UAS Bengaluru	- Special Invitee
Sh. Dipal Roy Choudhury, PPV&FRA, New Delhi	Member Secretary

Nodal Person(s) for development of the DUS Guideline

Dr. MVC Gowda, PC (AICSMIP), UAS, Bengaluru
Dr. P. Ravishankar, AICSMIP, UAS, GKVK
Dr. T.S.S.K. Patro, ANGRAU, Vizianagaram, A.P.

X. DUS Test Centres

Nodal Center	Co -nodal Centers
PC AICSMIP, UAS, Bengaluru	ZARS, Nandyal, AP

PUBLIC NOTICE

Details of registration certificate for inviting claims of benefit sharing under sub section 1 of section 26 of PPV&FR Act, 2001 read with rule 40 of PPV&FR Rules, 2003.

The details of registration certificates which have been issued under section 24 (2) of PPV &FR Act, 2001 are published herein for invitation of claims for benefit sharing.

Any person or group of persons, being citizen(s) of India or firm or governmental or non-governmental organization formed or established in India shall submit their claims for benefit sharing (under Section 26 (2) of PPV&FR Act, 2001 read with Rule 41 of PPV&FR Rules, 2003) in Form PV 7 of the First schedule (in triplicate) within a period of six months from the date of publication. Claims for benefit sharing if any shall be submitted to the Registrar, PPV&FR Authority, NASC Complex, DPS Marg, New Delhi-110012 accompanied with the fee of Rs. 5000/- (Rupees Five Thousand Only) by way of Demand Draft drawn in favour of the "Registrar, PPV&FR Authority" payable at New Delhi.

Certificate of Registration No. 255 of 2013

(1) Registration Number and date of grant:- **255 of 2013 & 20/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**'K. Srinivas Rao, Mahuli,
Block- Boipariguda, Dist- Koraput, Orissa.**

(3) Denomination of the variety:- **Machha Kanta**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NIL.

(6) Details of the distinguishing features or the characteristics:-

Awns are distributed only upper half of spikelet.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 256 of 2013

(1) Registration Number and date of grant:- **256 of 2013 & 20/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Basudha, Binodbati, P.O.- Layekbandh,
Bankura-722157, West Bengal.**

(3) Denomination of the variety:- **KANAKCHUR**

(4) Name of:

Family: Poaceae
Genus: *Oryza*
Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Curvature of panicles main axis is dropping, awns are present and eight of 1000 fully developed grains are medium.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 257 of 2013

(1) Registration Number and date of grant:- **257 of 2013 & 20/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Benudhar Seth and others,
Jamut bahal Block- Gaisilet, Dist- Baragarh, Orissa.**

(3) Denomination of the variety:- **KARNI**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Black colour of lemma tip, and purple black colour of lemma and palea.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 258 of 2013

(1) Registration Number and date of grant:- **258 of 2013 & 20/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Basudha, Binodhati P.O.- Layekbandh,
Bankura-722157, West Bengal.**

(3) Denomination of the variety:- **SHIULI**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Absence of awns in spikelet.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 259 of 2013

(1) Registration Number and date of grant:- **259 of 2013 & 21/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Syngenta India Limited. Amar Paradigm, S.No. 110/11/3,
Baner-Balewadi Road, Baner, Pune-411005, Maharashtra**

(3) Denomination of the variety:- **SYN-SF-275 PR**

(4) Name of:

Family: Compositae
Genus: Helianthus
Species: *annuus*.

Variety and common name: **Extant (VCK)/Hybrid/Sunflower**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Green leaf colour and convex shape of grain head side.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NIL**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 260 of 2013

(1) Registration Number and date of grant:- **260 of 2013 & 21/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

Maharashtra Hybrid Seeds Company Limited. Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.

(3) Denomination of the variety:- **MRSF 1144**

(4) Name of:

Family: Compositae

Genus: Helianthus

Species: *annuus.*

Variety and common name: **Extant (VCK)/Hybrid/Sunflower**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Early plant time of 50% flowering and flat head shape of grain side.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 261 of 2013

(1) Registration Number and date of grant:- **261 of 2013 & 21/11/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

Syngenta India Limited. Amar Paradigm, S.No. 110/11/3, Baner-Balewadi Road, Baner, Pune-411005, Maharashtra

(3) Denomination of the variety:- **SYN-SF-ARMONI.**

(4) Name of:

Family: Compositae

Genus: Helianthus

Species: *annuus.*

Variety and common name: **Extant (VCK)/Hybrid/Sunflower**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Convex head shape of grain side.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 262 of 2013

(1) Registration Number and date of grant:- **262 of 2013 & 03/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **Geeta (RB-9901/RB-24)**

(4) Name of:

Family: Brassicaceae
Genus: Brassica
Species: juncea.

Variety and common name: **Extant/Typical/Indian Mustard**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Many numbers of seeds per siliqua, Very long plant main shoot length, Short siliqua length and constricted siliqua texture.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 12/03/2003

Certificate of Registration No. 263 of 2013

(1) Registration Number and date of grant:- **263 of 2013 & 03/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Mahatma phule krishi vidyapeeth Rahuri-413722, Dist- Ahmednagar,
Maharashtra, India.**

(3) Denomination of the variety:- **JLT-408 (JLS-9848-2)**

(4) Name of:

Family: Pedaliaceae

Genus: Sesamum

Species: indicum.

Variety and common name: **Extant/Typical/Sesame**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium time of flowering days to 50% flowering, light-purple flower petal colour, sparse flower petal hairiness, medium plant height of main stem, medium plant branching, basal plant branching patterns, sparse stem hairiness, slightly lobed leaf lobe, medium leaf size etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 10/09/2012

Certificate of Registration No. 264 of 2013

(1) Registration Number and date of grant:- **264 of 2013 & 03/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Mother Dairy Fruit & Vegetable Pvt. Ltd. MDFVPL: Division Dhara
NDDDB Buuilding, 3rd Floor, Plot No. A-3, Sector-1, Noida-201301, UP**

(3) Denomination of the variety:- **NUDB-26-11**

(4) Name of:

Family: Brassicaceae

Genus: *Brassica*

Species: *napus*.

Variety and common name: **Extant/Typical/Rapseed (Gobhi Sarson)**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Low level number of lobes, dentate leaf dentation of margin, broad leaf width, early flower time of flowering, broad flower width of petals, very long plant main shoot length, very tall plant height, main siliqua number on main shoot, many siliqua number of seeds per siliqua, late maturity period.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 16/10/2008

Certificate of Registration No. 265 of 2013

(1) Registration Number and date of grant:- **265 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Acharya N.G. Ranga Agricultural University, Rajendranagar,
Hyderabad-500030**

(3) Denomination of the variety:- **Narasimha (Nandyal-1325)**

(4) Name of:

Family: Malvaceae

Genus: *Gossypium*

Species: *hirsutum*

Variety and common name: **Extant/Typical/Tetraploid Cotton**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Green leaf colour, medium tall plant height, cream flower petal colour, absence of flower petal spot, ovate boll shape, small boll weight of seed cotton/boll, very high ginning percentage and medium long fibre length..

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 08/06/1999.

Certificate of Registration No. 266 of 2013

(1) Registration Number and date of grant:- **266 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Vibha Agrotech Limited. 501, Suhan Sirisampada, Raj Bhavan Road,
Somajiguda, Hyderabad-500082**

(3) Denomination of the variety:- **VSFH-1003 (GLEN)**

(4) Name of:

Family: Compositae
Genus: Helianthus
Species: *annuus.*

Variety and common name: **Extant(VCK)/Hybrid/Sunflower**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Early time of 50% flowering (days) of plant and medium leaf serration.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 267 of 2013

(1) Registration Number and date of grant:- **267 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **CCH 510-4**

(4) Name of:

Family: Malvaceae

Genus: *Gossypium*

Species: *hirsutum*.

Variety and common name: **New/Typical/Tetraploid Cotton**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Dense seed fuzz.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 268 of 2013

(1) Registration Number and date of grant:- **268 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **SPH-1567**

(4) Name of:

Family: Poaceae
Genus: Sorghum
Species: bicolor L. Moench

Variety and common name: **Extant/Hybrid/Sorghum**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Grayed purple seedling anthocyanin colouration of coleoptiles, grayed purple Leaf sheath anthocyanin colouration, late plant time of panicle emergence, Medium plant natural height of plant up to base of flag leaf, absent flag leaf yellow colouration of midrib etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 08/05/2008.

Certificate of Registration No. 269 of 2013

(1) Registration Number and date of grant:- **269 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Acharya N.G. Ranga Agricultural University, Rajendranagar,
Hyderabad-500030**

(3) Denomination of the variety:- **Nandyal Tella Janna-3 (NTJ-3)**

(4) Name of:

Family: Poaceae
Genus: Sorghum
Species: bicolor L. Moench.

Variety and common name: **Extant/Typical/ Sorghum**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Absence of lemma arista formation, present stigma yellow colouration, short anther length, symmetric panicle shape, long neck of panicle visible length above sheath, short glume length, elliptic grain shape in profile view.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 13/09/2000

Certificate of Registration No. 270 of 2013

(1) Registration Number and date of grant:- **270 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **CoC(SC)23 (CoC 01-061)**

(4) Name of:

Family: Gramineae

Genus: *Saccharum*

Species: -

Variety and common name: **Extant/Typical/ Sugarcane**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Absence of leaf sheath hairiness, greenish-yellow leaf sheath colour of dewlap, Curved tip Leaf blade curvature, yellow inter node colour (not exposed to sun), yellow green inter node colour (exposed to sun), Cylindrical inter node shape, light inter node waxiness etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 20/09/2006

Certificate of Registration No. 271 of 2013

(1) Registration Number and date of grant:- **271 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Bayer Biosciences Pvt. Ltd 8-1-39, Qutub Shahi Tombs Roads,
Tolichowki, Hyderabad-500008, A.P.**

(3) Denomination of the variety:- **BPM 901**

(4) Name of:

Family: Gramineae
Genus: *Pennisetum*
Species: *glaucum*

Variety and common name: **Extant(VCK)/Typical/ Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Absent plant node pubescence and brown plant node pigmentation.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 272 of 2013

(1) Registration Number and date of grant:- **272 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Ajeet Seeds Limited, 2nd Floor Tapadia Terraces, Adalat Road,
Aurangabad-431001 Maharashtra**

(3) Denomination of the variety:- **ACH-21-1 (AJEET-21 Bt)**

(4) Name of:

Family: Malvaceae
Genus: *Gossypium*
Species: *hirsutum*.

Variety and common name: **New/Tetraploid Cotton**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Elliptic boll: Shape (longitudinal section).

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 273 of 2013

(1) Registration Number and date of grant:- **273 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **TKM-11 (TM-6012)**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Extant/Typical/ Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Green Basal leaf: Sheath colour, absent Leaf: Auricles, White Leaf: Colour of ligule, horizontal Flag leaf: Attitude of blade (late observation), absent Lemma: Anthocyanin colouration of apex, long Decorticated grain: Length, white Decorticated grain: Colour etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 08/06/2008

Certificate of Registration No. 274 of 2013

(1) Registration Number and date of grant:- **274 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Rasi Seeds Private Limited, 273, Kamarajanar Road,
Attur, Salem (Dt.)-63102, Tamil Nadu**

(3) Denomination of the variety:- **RC 91**

(4) Name of:

Family: Malvaceae

Genus: *Gossypium*

Species: *hirsutum*.

Variety and common name: **Extant (VCK) /Typical/Tetraploid Cotton**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Sparse stem hairiness.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 275 of 2013

(1) Registration Number and date of grant:- **275 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Basudha, Binodbati, P.O.- Layekbandh,
Bankura-722157, West Bengal.**

(3) Denomination of the variety:- **GHEOS**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Broad width of decorticated grains.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 276 of 2013

(1) Registration Number and date of grant:- **276 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Basudha, Binodbati, P.O.- Layekbandh,
Bankura-722157, West Bengal.**

(3) Denomination of the variety:- **NAGRA**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium amylase content in endosperm, anthocyanin colouration is absent in lemma tip and straw colour of sterile lemma.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 277 of 2013

(1) Registration Number and date of grant:- **277 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Basudha, Binodbati, P.O.- Layekbandh,
Bankura-722157, West Bengal.**

(3) Denomination of the variety:- **BENAPHOOL**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Awns are absent and width of decorticated grains are medium.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 278 of 2013

(1) Registration Number and date of grant:- **278 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Chemu Munduli and others, R/o. Talagadday, Block Dasamantapur,
Dist-Koraput, State-Orisha.**

(3) Denomination of the variety:- **NINI**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium Endosperm: Content of amylase and aromatic Decorticated grains aroma.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 279 of 2013

(1) Registration Number and date of grant:- **279 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Ananta Majhi and others, R/o. Podapadar, Blok Rampur,
Dist. Kalahandi, Orisha**

(3) Denomination of the variety:- **KALIA**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Black colour of lemma tip, purple black lemma and palea and weight of 1000 fully developed grains are very low.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 280 of 2013

(1) Registration Number and date of grant:- **280 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Bai Majhi and others, R/o. Dhaneswar, Karlapat, Block-rampur,
Dist. Kalahandi, Orisha**

(3) Denomination of the variety:- **PORA SENKARA**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Farmer/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Brown colour of lemma tip and brown furrows on lemma and palea.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 281 of 2013

(1) Registration Number and date of grant:- **281 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Krishidhan Seeds Private Limited, D3 to D6, Additional MIDC Area,
Aurangabad Road, Jalna-431203, Maharashtra**

(3) Denomination of the variety:- **SPS-14**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **New/Typical/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Absent panicle awns.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 282 of 2013

(1) Registration Number and date of grant:- **282 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

Nirmal Seeds Private Ltd. P.O. Box-63, Bhadgaon Road, Pachora-424201, Dist: Jalgaon, Maharashtra, India

(3) Denomination of the variety:- **Nirmal-40 (NPH-40)**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Hybrid/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Elliptical seed shape.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 283 of 2013

(1) Registration Number and date of grant:- **283 of 2013 & 16/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-14A**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/ Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Grey seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 284 of 2013

(1) Registration Number and date of grant:- **284 of 2013 & 19/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

Nirmal Seeds Private Ltd. P.O. Box-63, Bhadgaon Road, Pachora-424201, Dist: Jalgaon, Maharashtra, India

(3) Denomination of the variety:- **Sai (NR-212)**

(4) Name of:

Family: Poaceae
Genus: *Oryza*
Species: *sativa*.

Variety and common name: **Extant(VCK)/Typical/ Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Semi erect flag leaf attitude of blade (late observation).

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 285 of 2013

(1) Registration Number and date of grant:- **285 of 2013 & 19/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-10R**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Thick spike girth at maximum point (excluding bristles).

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 286 of 2013

(1) Registration Number and date of grant:- **286 of 2013 & 19/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

Nirmal Seeds Private Ltd. P.O. Box-63, Bhadgaon Road, Pachora-424201, Dist: Jalgaon, Maharashtra, India

(3) Denomination of the variety:- **Parvati (NR-48)**

(4) Name of:

Family: Poaceae
Genus: *Oryza*
Species: *sativa*.

Variety and common name: **Extant(VCK)/Typical/ Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

White spikelet colour of stigma.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 287 of 2013

(1) Registration Number and date of grant:- **287 of 2013 & 20/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-61A**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Gray seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 288 of 2013

(1) Registration Number and date of grant:- **288 of 2013 & 23/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**VNR Seeds Pvt. Ltd. Village: Gomchi P.O.: Tendua,
Nandanvan Road, Dist. Raipur, Chhattisgarh-492099**

(3) Denomination of the variety:- **VNR 2355 PLUS (IET 20735)(VNR 202)**

(4) Name of:

Family: Poaceae
Genus: *Oryza*
Species: *sativa*.

Variety and common name: **Extant/Hybrid/Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium time of heading, medium stem length, present decorticated grain area, flag leaf pubescence of blade surface, semi-erect flag leaf attitude of blade, thick stem thickness, deflexed panicle curvature of main axis, white spikelet colour of tip of lemma etc..

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 16/03/2012

Certificate of Registration No. 289 of 2013

(1) Registration Number and date of grant:- **289 of 2013 & 26/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Devgen N.V. Technologiepark 30 B-9052, Zwijnaarde,
Belgium**

(3) Denomination of the variety:- **DGB-013**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **New/Hybrid/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Grey brown seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 290 of 2013

(1) Registration Number and date of grant:- **290 of 2013 & 26/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-86R**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Grey seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 291 of 2013

(1) Registration Number and date of grant:- **291 of 2013 & 26/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-153R**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Cylindrical spike shape.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 292 of 2013

(1) Registration Number and date of grant:- **292 of 2013 & 26/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **RGN-145**

(4) Name of:

Family: Crucifereae
Genus: Brassica
Species: juncea.

Variety and common name: **Extant/Typical/ India Mustard**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

High leaf number of lobes, medium flower length of petals, medium seed size and dark brown seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 11/02/2009

Certificate of Registration No. 293 of 2013

(1) Registration Number and date of grant:- **293 of 2013 & 26/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **RGN-48**

(4) Name of:

Family: Crucifereae
Genus: Brassica
Species: juncea.

Variety and common name: **Extant/Typical/India Mustard**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium leaf number of lobes, medium length of petals, medium seed size and dark brown seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 25/04/2006

Certificate of Registration No. 294 of 2013

(1) Registration Number and date of grant:- **294 of 2013 & 30/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **ADT(R)45 (IET-15924)**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Extant/Typical/ Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Low grain weight of 1000 fully developed grain, erect flag leaf attitude of blade and short flag leaf length.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 15/11/2001

Certificate of Registration No. 295 of 2013

(1) Registration Number and date of grant:- **295 of 2013 & 30/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **Co-0233**

(4) Name of:

Family: Gramineac

Genus: *Saccharum*

Species: --.

Variety and common name: **Extant/Typical/ Sugarcane**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Erect plant growth habit, medium leaf blade width, medium inter node diameter, cylindrical inter node shape, light inter node waxiness, medium nod size of bud.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 11/02/2009

Certificate of Registration No. 296 of 2013

(1) Registration Number and date of grant:- **296 of 2013 & 30/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **RGN-73**

(4) Name of:

Family: Crucifereae
Genus: Brassica
Species: juncea.

Variety and common name: **Extant/Typical/India Mustard**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

High leaf number of lobes, medium flower length of petals, small seed size and dark brown seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 06/02/2007

Certificate of Registration No. 297 of 2013

(1) Registration Number and date of grant:- **297 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **RGN-13**

(4) Name of:

Family: Crucifereae
Genus: Brassica
Species: juncea..

Variety and common name: **Extant/Typical/ India Mustard**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium leaf number of lobes, medium flower length of petals, medium seed size and dark brown seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 12/03/2003

Certificate of Registration No. 298 of 2013

(1) Registration Number and date of grant:- **298 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **Vandana (RR-167-982)**

(4) Name of:

Family: Poaceae

Genus: *Oryza*

Species: *sativa*.

Variety and common name: **Extant/Typical/ Rice**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Green colour of basal leaf sheath, absence of leaf pubescence of blade surface, early time of heading, erect attitude of flag leaf blade, strong spikelet density of pubescence of lemma, absent lemma anthocyanin colouration of apex, white spikelet colour of stigma etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 04/09/2002

Certificate of Registration No. 299 of 2013

(1) Registration Number and date of grant:- **299 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Bayer Biosciences Pvt. Ltd. 8-1-39, Qutub Shahi Tombs Roads,
Tolichowki, Hyderabad-500008, A.P. India**

(3) Denomination of the variety:- **BPM 904**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Hybrid/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Obovate seed shape.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 300 of 2013

(1) Registration Number and date of grant:- **300 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Ganga Kaveri Seed Pvt. Ltd., 604, Babukhan Estate,
Basheerbagh, Hyderabad-500001, A.P. Hyderabad**

(3) Denomination of the variety:- **GK 1044**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Hybrid/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Yellow spike anther colour and grey seed colour.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 301 of 2013

(1) Registration Number and date of grant:- **301 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-151R**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Medium time of spike emergence (50% plants with atleast one spike emerged fully) and globular seed shape.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 302 of 2013

(1) Registration Number and date of grant:- **302 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Nuziveedu Seeds Limited, Sy. No. 69, Gundlapochampally (Vill.),
Medchal-Mandal, Ranga Reddy District- 501401, Andhra Pradesh**

(3) Denomination of the variety:- **NB-152R**

(4) Name of:

Family: Poaceae
Genus: *Pennisetum*
Species: *glaucum*.

Variety and common name: **Extant(VCK)/Typical/Pearl Millet**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Globular seed shape.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

NA

Certificate of Registration No. 303 of 2013

(1) Registration Number and date of grant:- **303 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **KMH-22168**

(4) Name of:

Family: Poaceae

Genus: *Zea*

Species: *Mays.*

Variety and common name: **Extant/ Hybrid / Maize**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Present stem anthocyanin colouration of brace roots, present tassel anthocyanin colouration of glumes excluding base (in middle third of main axis), present tassel anthocyanin colouration of silk, medium leaf with of blade etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 31/08/2010

Certificate of Registration No. 304 of 2013

(1) Registration Number and date of grant:- **304 of 2013 & 31/12/2013**

(2) Name and address of applicant or breeder in whose name the certificate has been issued or registered:-

**Indian Council of Agricultural Research (ICAR),
Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014**

(3) Denomination of the variety:- **Pratap Makka Chari-6 (EC-3135)**

(4) Name of:

Family: Poaceae
Genus: *Zea*
Species: Mays.

Variety and common name: **Extant/Typical/Maize**

(5) Parentage and geographical location of the variety:-

NA.

(6) Details of the distinguishing features or the characteristics:-

Small leaf angle between blade and stem, present stem anthocyanin colouration of brace roots, early tassel time of anthesis, absent tassel anthocyanin colouration of glumes excluding base, absent tassel anthocyanin colouration anthers, sparse tassel density of spikelet straight tassel attitude of lateral branches etc.

(7) In case of 'essentially derived variety', the details of the 'initial variety' from which the 'essentially derived variety' is claimed to have been derived:- **NA**

(8) Name and address of the contributor, nature and amount of the contribution or the community knowledge used in the development of the plant variety:- **NA**

(9) Terms and conditions of the agreement, if any, entered into between the breeder and contributor:- **NA**

(10) If the variety is sold or otherwise disposed of, details thereof.

Variety commercialized since 11/02/2009

