



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

भारतीय पौधा किस्म जर्नल PLANT VARIETY JOURNAL OF INDIA

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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



भारत सरकार
GOVERNMENT OF INDIA

भारतीय पौधा किस्म जर्नल, खण्ड 05, अंक 08
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पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
एनएएससी काम्प्लेक्स, डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली – 110 012

PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi – 110 012

‘भारतीय पौधा किस्म जर्नल’ पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि.कृ.अ.सं.प्रा.) का आधिकारिक जर्नल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआर, एनएएससी काम्प्लेक्स (द्वितीय तल), 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, NASC Complex (IInd Floor), DPS Marg, Opp. Todapur Village, New Delhi-110012 under the PPV & FR Act, 2001 and Rule 2 (g) of the PPV & FR Rules, 2003.

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.

E10	OS24	07	115
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 filed on **04/07/2007** by **Dr. U. Prasada Rao , General Manager (R&D), Nuziveedu Seeds Limited, Sy No. 183, Kompally (Post) , Quatbullapur Mandal, Secunderabad-500 014** on behalf of **Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India** for a **extant (variety of common knowledge) plant variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Manik – NP 14**, the specification including 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 Manik – NP 14:

Applicant : Nuziveedu Seeds Limited
Address of the Applicant : Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India

Nationality of Applicant : Indian

Application details

a. Number :

E10	OS24	07	115
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b. Date of receipt : 04/07/2007

c. Date of acceptance : 05/07/2011

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

Denomination : Manik – NP 14

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Typical

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: SM 41
Parent 2: NR 17302

Name of Reference Varieties : Maha Maya & Narendra Dhan 359

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi/ Heera]
Time of heading (50% of plants with panicle)	Medium [Vikas/ Triguna]
Stem : Length (excluding panicles; excluding floating rice)	Very short [Heera]
Decorticate grain: length	Short [Kushal]
Decorticate grain: Shape (in lateral view)	Medium slender [Samba Mahsuri]
Decorticate grain: Colour	White [Sugandhamati]
Endosperm: Content of amylose	Medium [Taroari Basmati]
Decorticate grain: Aroma	Absent [Jaya]
B. Distinct Characteristics:	
<p>Manik- NP 14 has distinguishing characters like green basal leaf sheath color, medium leaf intensity of green color, absence of lemma anthocyanin colouration of apex, white spikelets color of stigma, very short stem length (excluding floating rice), erect flag leaf attitude of</p>	

blade at later observation, medium number of panicle per plant, late leaf senescence, low grain weight of 1000 fully developed grain and medium slender decorticated grain shape in lateral view.

C. Reference varieties:

1. Maha Maya: It has distinguishing characters like light purple basal leaf sheath color, light leaf intensity of green color, medium lemma anthocyanin colouration of apex, light purple spikelets color of stigma, short stem length (excluding floating rice), semi-erect flag leaf attitude of blade at later observation, few number of panicle per plant, medium leaf senescence, high grain weight of 1000 fully developed grain and long bold decorticated grain shape in lateral view.

2. Narendradhan 359 : It has distinguishing characters like green basal leaf sheath color, light leaf intensity of green color, absence of lemma anthocyanin colouration of apex, white spikelets color of stigma, short stem length (excluding floating rice), semi-erect flag leaf attitude of blade at later observation, few number of panicle per plant, medium leaf senescence, high grain weight of 1000 fully developed grain and long bold decorticated grain shape in lateral view.

D. Date of commercialization of the variety	Commercialized since 10/05/2006
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E. Photographs: (See figure 01a and b)

02. Application No.

E11	OS25	07	116
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 filed on **04/07/2007** by **Dr. U. Prasada Rao , General Manager (R&D), Nuziveedu Seeds Limited, Sy No. 183, Kompally (Post) , Quatbullapur Mandal, Secunderabad-500 014** on behalf of **Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India** for a **extant (variety of common knowledge) plant variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Harsha – NP 45**, the specification including 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 Harsha – NP 45:

Applicant : Nuziveedu Seeds Limited
Address of the Applicant : Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India

Nationality of Applicant : Indian

Application details

a. Number :

E11	OS25	07	116
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b. Date of receipt : 04.07.2007

c. Date of acceptance : 05/07/2011

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

Denomination : Harsha – NP 45

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Typical

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: PAB 45
Parent 2: PAB 9

Name of Reference Varieties : Jyothi & PR 106

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi/ Heera]
Time of heading (50% of plants with panicle)	Early [Rasi/ Ravi]
Stem : Length (excluding panicles; excluding floating rice)	Short [PR 106/ Vajram]
Decorticate grain: length	Long [Ratna/ Triguna]
Decorticate grain: Shape (in lateral view)	Long slender [Krishna/Hamsa]
Decorticate grain: Colour	White [Sugandhamati]
Endosperm: Content of amylose	Medium [Tarorai basmati]
Decorticate grain: Aroma	Absent [Jaya]

B. Distinct Characteristics:

Harsha- NP 45 has distinguishing characters like leaf intensity of green color and panicle length of main axis is medium, erect flag leaf attitude of blade, medium in grain weight of 1000 fully developed grains and grain length, narrow grain width, short decorticated grain length, narrow decorticated grain width, long bold decorticated grain shape and white decorticated grain color.

C. Reference varieties:

1Jyoti: It has distinguishing characters like light leaf intensity of green color , short panicle length of main axis, semi erect flag leaf attitude of blade, high in grain weight of 1000 fully developed grains, medium grain length and width, short decorticated grain length, medium decorticated grain width, long slender decorticated grain shape and red decorticated grain color.

2. PR 106: It has distinguishing characters like medium leaf intensity of green color , medium panicle length of main axis, erect flag leaf attitude of blade, medium in grain weight of 1000

fully developed grains, short grain length, narrow grain width, medium decorticated grain length, narrow decorticated grain width, long bold decorticated grain shape and white decorticated grain color.

D. Date of commercialization of the variety	Commercialized since 02/09/2004
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E. Photographs: (See figure 02a and b)

03. Application No.

E16	OS30	07	121
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 filed on **05/07/2007** by **Dr. U. Prasada Rao , General Manager (R&D), Nuziveedu Seeds Limited, Sy No. 183, Kompally (Post) , Quatbullapur Mandal, Secunderabad-500 014** on behalf of **Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India** for a **extant (variety of common knowledge) plant variety** of crop **Rice (*Oryza sativa* L.)** having denomination **Malli – NP 222**, the specification including 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 Malli – NP 222:

Applicant : Nuziveedu Seeds Limited
Address of the Applicant : Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India
Nationality of Applicant : Indian

Application details

a. Number

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E16	OS30	07	121
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b. Date of receipt : 05/07/2007

c. Date of acceptance : 05/07/2011

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

Denomination : Malli – NP 222

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Typical

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: NP 45
Parent 2: PAB 370

Name of Reference Varieties : Basmati 370 & PR 106

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi/ Heera]
Time of heading (50% of plants with panicle)	Medium [Vikas/ Triguna]
Stem : Length (excluding panicles; excluding floating rice)	Short [PR 106/ Vajram]
Decorticate grain: length	Long for Basmati type [Kasturi/ Bas. 370]
Decorticate grain: Shape (in lateral view)	Extra long slender [-]
Decorticate grain: Colour	White [Sugandhamati]
Endosperm: Content of amylose	--
Decorticate grain: Aroma	Present [Jaya]

B. Distinct Characteristics:

Malli- NP 45 has distinguishing characters like light leaf intensity of green color, medium leaf length of blade, narrow leaf width blade, medium in time of heading (50 % of plants with panicle), semi erect flag leaf attitude of blade, medium stem thickness, long grain length, long decorticated grain length, extra long slender decorticated grain shape and presence of decorticated grain aroma.

C. Reference varieties:

1. Basmati 370: It has distinguishing characters like medium leaf intensity of green color, long leaf length of blade, narrow leaf width blade, late in time of heading (50 % of plants with panicle), horizontal flag leaf attitude of blade, thin stem thickness, long grain length, long decorticated grain length, extra long slender decorticated grain shape and presence of decorticated grain aroma.

2. PR 106: It has distinguishing characters like medium leaf intensity of green color, short leaf length of blade, medium leaf width blade, medium in time of heading (50 % of plants with panicle), semi erect flag leaf attitude of blade, medium stem thickness, narrow grain length, short decorticated grain length, long bold decorticated grain shape and absence of decorticated grain aroma.

D. Date of commercialization of the variety

Commercialized since 10/05/2006

E. Photographs: (See figure 03a and b)

04. Application No.

E18

OS33

07

125

filed on 09/07/2007 by Dr. U.

Prasada Rao , General Manager (R&D), Nuziveedu Seeds Limited, Sy No. 183, Kompally (Post) , Quatbullapur Mandal, Secunderabad-500 014 on behalf of **Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P. Road, Secunderabad, Andhra Pradesh, India** for a extant (variety of common knowledge) plant variety of crop **Rice** (*Oryza sativa* L.) having denomination **Karishma – NP 111**, the specification including 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 Karishma – NP 111:

Applicant : Nuziveedu Seeds Limited
Address of the Applicant : Nuziveedu Seeds Limited, 7C, Surya Towers, 105, S.P.
Road, Secunderabad, Andhra Pradesh, India

Nationality of Applicant : Indian

Application details

a. Number :

E18	OS33	07	125
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b. Date of receipt : 09.07.2007

c. Date of acceptance : 05/07/2011

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

Denomination : Karishma – NP 111

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Typical

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: PRN-45
Parent 2: PRN-47

Name of Reference Varieties : Basmati 370 & PR 106

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi/ Heera]
Time of heading (50% of plants with panicle)	Early [Rasi/ Ravi]
Stem : Length (excluding panicles; excluding floating rice)	Very short [Heera]
Decorticate grain: length	Long for basmati type [Kasturi/ Bas. 370]
Decorticate grain: Shape (in lateral view)	Extra long slender
Decorticate grain: Colour	White [Sugandhamati]
Endosperm: Content of amylose	--
Decorticate grain: Aroma	Present [Bas.370]

B. Distinct Characteristics:

Karishma – NP 111 has distinguishing characters like early in time of heading (50% of plants with panicle), horizontal flag leaf attitude of blade at early observation, very short stem length, erect flag leaf of blade at late observation , semi straight panicle curvature of main axis long for basmati type decorticated grain length, extra long slender decorticated grain shape in lateral view and presence of decorticated grain aroma.

C. Reference varieties:

1. Basmati 370: It has distinguishing characters like late in time of heading (50% of plants with panicle), horizontal flag leaf attitude of blade at early observation, medium stem length, semi- erect flag leaf of blade at late observation, semi straight panicle curvature of main axis, long for basmati type decorticated grain length, extra long slender decorticated grain shape in lateral view and presence of decorticated grain aroma.

2. PR 106: It has distinguishing characters like medium in time of heading (50% of plants with panicle), semi erect flag leaf attitude of blade at early observation, very short stem length, erect

flag leaf of blade at late observation, straight panicle curvature of main axis, medium decorticated grain length, long slender decorticated grain shape in lateral view and absence of decorticated grain aroma.

D. Date of commercialization of the variety	Commercialized since 10/05/2006
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E. Photographs: (See figure 04a and b)

05. Application No.

E209	GA03	08	281
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 filed on **02/04/2008** by **Malathi Lakshmikumaran, Lakshmikumaran & Sridharan, B/60, Safdarjung Enclave, New Delhi-110 029** on behalf of **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400 020, India** for a extant (variety of common knowledge) plant variety of crop **Diploid cotton (*Gossypium arboreum* L.)** having denomination **MRDC 223**, the specification including 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 MRDC 223:

Applicant : Maharashtra Hybrid Seeds Company Limited
Address of the Applicant : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400 020, India

Nationality of Applicant : Indian

Application details

a. Number

E209	GA03	08	281
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b. Date of receipt

: 02/04/2008

c. Date of acceptance : 21/07/2011

Crop (Taxonomical Lineage) : Diploid cotton (*Gossypium arboreum* L.)

Denomination : MRDC 223

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: ARB 601
Parent 2: ARB 152

Name of Reference Varieties : Y 1 & PA 255

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Species	<i>Gossypium arboretum</i> L.
Leaf : Shape	Digitate [-]
Flower : Petal color	Variegated [G 27 (a)]
Flower: Pollen color	Yellow [Jawahar Tapti (a)]
Boll : Shape (Longitudinal section)	Elliptic [NEH 200 (a)]
Fibre : Length (205 % span length)	Medium [-]
B. Distinct Characteristics:	
MRDC 223 has distinguishing characters like yellow color of flower petal, large boll weight of seed cotton/ boll, bold seed index, medium fibre length and very course fibre fineness.	

C. Reference varieties:

- 1. Y1:** It has distinguishing characters like white color of flower petal, medium boll weight of seed cotton/ boll and seed index, medium long fibre length and medium fibre fineness.
- 2. PA 255:** It has distinguishing characters like yellow color of flower petal, medium boll weight of seed cotton/ boll and seed index, long fibre length and medium fibre fineness.

D. Date of commercialization of the variety	Commercialized since 16/05/2001 with denomination Chamatkar 223
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E. Photographs: (See figure 05)

06. Application No.

N14	ZM33	09	311
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 filed on **08/07/2009** by **M/S Lakshmikumaran & Sridharan, B 6/10, Safdarjung Enclave, New Delhi – 110 025** on behalf of **Bioseed Research India Private Limited, Plot No. 206, Road No. 14, Jubilee Hills, Hyderabad-500 003 (India)** for a **new plant variety** of crop **Maize** [*Zea mays* L.] having denomination **BIO 50265 H**, 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 BIO 50265 H:

Applicant : Bioseed Research India Private Limited
Address of the Applicant : Plot No. 206, Road No. 14, Jubilee Hills,
Hyderabad-500 003 (India)
Nationality of Applicant : Indian
Application details

a. Number :

N14	ZM33	09	311
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b. Date of receipt : 08/07/2009

c. Date of acceptance : 21/07/2011

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

Denomination : BIO 50265 H

Type of Variety : New

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : BIO 10114 I x BIO 10127 I

Name of Reference Varieties : PIO30V92, NK6240 and C900MG

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Tassel: Time of anthesis (on middle third of main axis, 50% of plants)	Late[HKI 1126]
Ear: Time of silk emergence (50% plants)	Late [HKI 1126]
Ear: Anthocyanin colouration of silks	Present [HKI 323]
Plant: Length	Long [HQPM 1]
Ear: Type of grain	Semi-flint [HKI 1344]

B. Distinct Characteristics:

BIO 50265 H has distinguishing characters like presence of anthocyanin colouration of brace roots, absence of anthocyanin colouration at the base of glumes (in middle third of main axis), presence of anthocyanin colouration of glumes excluding base (in middle third of main axis), presence of anthocyanin colouration of anthers (in middle third of main axis on fresh anthers), sparse density of spikelets (in middle third of main axis), narrow angle between main axis and lateral branches (in lower third of tassel), curved attitude of lateral branches (in lower third of tassel) presence of anthocyanin colouration of silks (on day of emergence), cylindrical ear shape, orange colour of top of grain with yellow cap and white anthocyanin colouration of glumes of cob.

C. Reference varieties:

1. PIO30V92: It has distinguishing characters like absence of anthocyanin colouration of brace roots, absence of anthocyanin colouration at the base of glumes (in middle third of main axis), absence of anthocyanin colouration of glumes excluding base (in middle third of main axis), presence of anthocyanin colouration of anthers (in middle third of main axis on fresh anthers), sparse density of spikelets (in middle third of main axis), narrow angle between main axis and lateral branches (in lower third of tassel), straight attitude of lateral branches (in lower third of tassel), absence of anthocyanin colouration of silks (on day of emergence), cylindrical ear shape, yellow colour of top of grain with yellow cap and purple anthocyanin colouration of glumes of cob.

2. NK6240: It has distinguishing characters like absence of anthocyanin colouration of brace roots, presence of anthocyanin colouration at the base of glumes (in middle third of main axis), presence of anthocyanin colouration of glumes excluding base (in middle third of main axis), presence of anthocyanin colouration of anthers (in middle third of main axis on fresh anthers), sparse density of spikelets (in middle third of main axis), wide angle between main axis and lateral branches (in lower third of tassel), curved attitude of lateral branches (in lower third of tassel), presence of anthocyanin colouration of silks (on day of emergence), cylindrical ear shape, yellow colour of top of grain with cap and white anthocyanin colouration of glumes of cob.

3. C900MG: It has distinguishing characters like presence of anthocyanin colouration of brace roots, absence of anthocyanin colouration at the base of glumes (in middle third of main axis), absence of anthocyanin colouration of glumes excluding base (in middle third of main axis), absence of anthocyanin colouration of anthers (in middle third of main axis on fresh anthers), dense density of spikelets (in middle third of main axis), wide angle between main axis and lateral branches (in lower third of tassel), curved attitude of lateral branches (in lower third of tassel), presence of anthocyanin colouration of silks (on day of emergence), conico-cylindrical ear shape, orange colour of top of grain with cap and white anthocyanin colouration of glumes of cob.

D. Date of commercialization of the variety

Commercialized since 15/05/2009 with denomination Commando.

E. Photographs: (See figures 06a and b)

07. Application No.

N2	GA5	09	372
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 filed on **22/09/2009** by **Dr. IS Halakude, Research Manager, Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra** on behalf of **Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra, India** on behalf of ---NA---- for a **new plant variety** of crop **Diploid Cotton (*Gossypium arboreum* L.)** having denomination **Nirmal 18 (NACH-18)**, the specification including 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 Nirmal 18 (NACH-18):

Applicant : Nirmal Seeds Private Limited
Address of the Applicant : P.O. Box-63, Bhadgaon Road,
Pachora-424201, Maharashtra, India
Nationality of Applicant : Indian

Application details

a. Number :

N2	GA5	09	372
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b. Date of receipt : 22/09/2009
c. Date of acceptance : 26/05/2011
Crop (Taxonomical Lineage) : Diploid Cotton (*Gossypium arboreum* L.)
Denomination : Nirmal 18 (NACH-18)

Type of Variety : New

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : NCGA-26 x NSA-29

Name of Reference Varieties : AKA-7

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Species	<i>Gossypium arboreum</i> L.
Leaf: Shape	Digitate (Okra) [--]
Flower: Petal colour	Yellow [AKA 7(a)]
Flower: Pollen colour	Yellow [Jawahar Tapti (a)]
Boll: shape	Ovate [Jawahar Tapti (a)]
Fibre: length	Medium long [--]
<p>B. Distinct Characteristics:</p> <p>Nirmal 18 (NACH-18) has distinguishing characters like very tall plant height, semi spreading plant habit, large boll weight, ovate boll shape, medium long fibre length, medium fibre strength, bold seed index, late time of flowering, presence of violet pigmentation on squares, bract and bolls and medium stem hairiness.</p>	

<p>C. Reference varieties:</p> <p>1. AKA-7: It has distinguishing characters like tall plant height, compact plant habit, medium boll weight, elliptic boll shape, medium fibre length, weak fibre strength, medium seed index, medium time of flowering, absence of violet pigmentation on squares, bract and bolls and</p>
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sparse stem hairiness.

D. Date of commercialization of the variety	Not commercialized.
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E. Photographs: (See figures 07a, b and c)

08. Application No.

E4	GA6	09	373
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 filed on **22/09/2009** by **Dr. IS Halakude, Research Manager, Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra** on behalf of **Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra, India** for a extant (variety of common knowledge) plant variety of crop **Diploid Cotton (*Gossypium arboreum* L.)** having denomination **Ambika (NACH-12)**, the specification including 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 Ambika (NACH-12):

Applicant : Nirmal Seeds Private Limited
Address of the Applicant : P.O. Box-63, Bhadgaon Road,
Pachora-424201, Maharashtra, India
Nationality of Applicant : Indian

Application details

a. Number :

E4	GA6	09	373
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b. Date of receipt : 22/09/2009

c. Date of acceptance : 26/05/2011

Crop (Taxonomical Lineage) : Diploid Cotton (*Gossypium arboreum* L.)

Denomination : Ambika (NACH-12)

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : NCGA-26 x NSA-28

Name of Reference Varieties : AKA-7

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Species	<i>Gossypium arboreum</i> L.
Leaf: Shape	Digitate (Okra) [--]
Flower: Petal colour	Cream [Sanjay (a)]
Flower: Pollen colour	Yellow [Jawahar Tapti (a)]
Boll: shape	Ovate [Jawahar Tapti (a)]
Fibre: length	Medium long [--]
B. Distinct Characteristics:	
<p>Ambika (NACH-12) has distinguishing characters like cream petal colour, very tall plant height, semi spreading plant habit, large boll weight, medium long fibre length, medium fibre strength, bold seed index, ovate boll shape, late time of flowering and medium stem hairiness.</p>	

C. Reference varieties:

1. AKA-7: It has distinguishing characters like yellow petal colour, tall plant height, compact plant habit, medium boll weight, medium fibre length, weak fibre strength, medium seed index, elliptic boll shape, medium time of flowering and sparse stem hairiness.

D. Date of commercialization of the variety

Commercialized since 21/05/2007.

E. Photographs: (See figures 08a, b and c)

09. Application No.

N5

CC8

09

377

filed on 22/09/2009 by Dr. IS

Halakude, Research Manager, Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra on behalf of **Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra, India** for a **new plant variety** of crop **Pigeon pea (*Cajanus cajan* L.)** having denomination **Nirmal-554 (NTL-554)**, the specification including 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 Nirmal-554 (NTL-554):

Applicant : Nirmal Seeds Private Limited
Address of the Applicant : P.O. Box-63, Bhadgaon Road,
Pachora-424201, Maharashtra, India
Nationality of Applicant : Indian

Application details

a. Number :

N5	CC8	09	377
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b. Date of receipt : 22/09/2009

c. Date of acceptance : 19/07/2011

Crop (Taxonomical Lineage) : Pigeon pea (*Cajanus cajan* L.)

Denomination : Nirmal-554 (NTL-554)

Type of Variety : New

Classification of Variety : Typical

Previously proposed Denomination : NA

Name of Parental Material : Parent 1: NTL-106
Parent 2: NTL-709

Name of Reference Varieties : BSMR-736

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Time of flowering	Medium [Pusa 855, ICPL 155]
Plant: Growth habit	Intermediate [Manak, Paras]
Stem: Color	Purple [BDN 2, Hy 3C]
Pod: Waxiness	Present [--]
Seed: Colour	Dark brown [Vamban 1, AKT 8811]
B. Distinct Characteristics:	
Nirmal-554 (NTL-554) has distinguishing characters like purple stem colour, medium pattern of streaks on petal (standard), green pod colour with brown streaks and tall plant height.	

C. Reference varieties:

1. BSMR-736: It has distinguishing characters like green stem colour, absence of streaks on petal (standard), green pod colour with brown streaks and medium plant height.

D. Date of commercialization of the variety

Not commercialized.

E. Photographs: (See figure 09a and b)

10. Application No.

N3	TA10	09	378
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 filed on **22/09/2009** by **Dr. IS Halakude, Research Manager, Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201** on behalf of **Nirmal Seeds Private Limited, P.O. Box-63, Bhadgaon Road, Pachora-424201, Maharashtra, India** for a **new plant variety** of crop **Bread wheat (*Triticum aestivum* L.)** having denomination **Vinay (NW-404)** 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 Vinay (NW-404):

Applicant : Nirmal Seeds Private Limited
Address of the Applicant : P.O. Box-63, Bhadgaon Road,
Pachora-424201, Maharashtra, India
Nationality of Applicant : Indian

Application details

a. Number

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N3	TA10	09	378
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b. Date of receipt : 22.09.2009
c. Date of acceptance : 19.07.2011
Crop (Taxonomical Lineage) : Bread wheat (*Triticum aestivum* L.)
Denomination : Vinay (NW-404)
Type of Variety : New
Classification of Variety : Typical
Previously proposed denomination : Not applicable
Name of Parental Material : NW-1 x NW-74
Name of Reference Varieties : MACS-2496

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Flag leaf: Anthocyanin colouration of auricle	Absent [AKW1071, CPAN 3004]
Ear: Time of emergence (first spikelet visible on 50 % of ears)	Late [UP 2113, HD 2733]
Plant: Length (excluding awns/scurs)	---
Awns or scurs: Presence	Present [PBW222, PBW343]
Outer glume: Pubescence	Absent [AKW381]
Ear: Colour	White [HD2009, AKW 1071]
Season: Type	---
Grain: Hardness	---
B. Distinct Characteristics:	
Vinay (NW-404) has distinguishing characters like long ear length, dark green foliage colour and 347 number of ears per square meter.	

C. Reference varieties:

MACS-2496: It has distinguishing characters like medium ear length, green foliage colour and 295 number of ears per square meter.

D. Date of commercialization of the variety	Not commercialized.
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E. Photographs: (See figure 10a, b and c)

11. Application No.

E22	PG30	09	416
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 filed on **01/10/2009** by **M/S Lakshmikumaran & Sridharan, B 6/10, Safdarjung Enclave, New Delhi – 110 025** on behalf of **Bayer Biosciences Private Limited, 8-1-39, Qutub Shahi Tombs Roads, Tolichowki, Hyderabad-500 008, Andhra Pradesh (India)** for a **extant (variety of common knowledge) plant variety** of crop **Pearl Millet [*Pennisetum glaucum* (L.) R.Br.]** having denomination **BPM 905**, 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 BPM 905:

Applicant : Bayer Biosciences Private Limited
Address of the Applicant : 8-1-39, Qutub Shahi Tombs Roads, Tolichowki,
Hyderabad-500 008, Andhra Pradesh (India)
Nationality of Applicant : Indian
Application details
a. Number :

E22	PG30	09	416
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b. Date of receipt : 01/10/2009
c. Date of acceptance : 18/07/2011
Crop (Taxonomical Lineage) : Pearl Millet [*Pennisetum glaucum* (L.) R.Br.]
Denomination : BPM 905
Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Hybrid
Previously proposed denomination : Not applicable
Name of Parental Material : 4151F x M10390
Name of Reference Varieties : HHB 67 and ICMH356

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Time of spike emergence	Very early [H 77/833-2, HHB 67I]
Anther: Colour	Yellow [HHB 94, G 73-107, RHRBI 458]
Spike: Shape	Candle [843 A]
Seed: Colour	Grey [842 B, D 23]
Seed: Shape	Globular [843 B, HHB 67]
B. Distinct Characteristics: BPM 905 has distinguishing characters like presence of anthocyanin colouration of first leaf sheath, erect growth habit, candle shaped spike and grey seed colour.	
C. Reference varieties: 1. HHB-67: It has distinguishing characters like absence of anthocyanin colouration of first leaf sheath, erect growth habit, conical shaped spike and grey brown seed colour. 2. ICMH356: It has distinguishing characters like presence of anthocyanin colouration of first leaf sheath, spreading growth habit, conical shaped spike and grey seed colour.	
D. Date of commercialization of the variety	Commercialized since 09/05/2008 with denomination Tejas.

E. Photographs: (See figures 11)

12. Application No.

E23	PG31	09	417
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 filed on **01/10/2009** by **M/S Lakshmikumaran & Sridharan, B 6/10, Safdarjung Enclave, New Delhi – 110 025** on behalf of **Bayer Biosciences Private Limited, 8-1-39, Qutub Shahi Tombs Roads, Tolichowki,**

Hyderabad-500 008, Andhra Pradesh (India) for a **extant (variety of common knowledge) plant variety** of crop **Pearl Millet** [*Pennisetum glaucum* (L.) R.Br.] having denomination **BPM 906**, 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 BPM 906:

Applicant : Bayer Biosciences Private Limited
Address of the Applicant : 8-1-39, Qutub Shahi Tombs Roads, Tolichowki,
Hyderabad-500 008, Andhra Pradesh (India)
Nationality of Applicant : Indian
Application details
a. Number :

E23	PG31	09	417
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b. Date of receipt : 01/10/2009
c. Date of acceptance : 18/07/2011
Crop (Taxonomical Lineage) : Pearl Millet [*Pennisetum glaucum* (L.) R.Br.]
Denomination : BPM 906
Type of Variety : Extant (Variety of Common Knowledge)
Classification of Variety : Hybrid
Previously proposed denomination : Not applicable
Name of Parental Material : ICMA88004 x M10289
Name of Reference Varieties : JKBH26 and ICMH356

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Time of spike emergence	Very early [H 77/833-2, HHB 67I]

Anther: Colour	Yellow [HHB 94, G 73-107, RHRBI 458]
Spike: Shape	Candle [843 A]
Seed: Colour	Grey [842 B, D 23]
Seed: Shape	Elliptical [--]
B. Distinct Characteristics:	
<p>BPM 906 has distinguishing characters like presence of anthocyanin colouration of first leaf sheath, presence of plant node pubescence, candle shaped spike, absence of tip sterility and elliptical seed shape.</p>	
C. Reference varieties:	
<p>1. JKBH26: It has distinguishing characters like absence of anthocyanin colouration of first leaf sheath, absence of plant node pubescence, lanceolate shaped spike, presence of tip sterility and hexagonal seed shape.</p> <p>2. ICMH356: It has distinguishing characters like presence of anthocyanin colouration of first leaf sheath, presence of plant node pubescence, conical shaped spike, presence of tip sterility and globular seed shape.</p>	
D. Date of commercialization of the variety	Commercialized since 17/05/2008 with denomination Dual 69.

E. Photographs: (See figures 12)

13. Application No.

N07	ZM07	10	075
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 filed on **08/03/2010** by **Project Director, Directorate of Maize Research, New Delhi** on behalf of **Indian Council of Agricultural Research, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110014** for a **new plant variety** of crop **Maize (*Zea mays L.*)** having denomination **DHM 117**, the specification including 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 DHM 117:

Applicant : Indian Council of Agricultural Research
Address of the Applicant : Krishi Bhawan, Dr. Rajendra Prasad Road,
New Delhi-110014

Nationality of Applicant : Indian

Application details

a. Number

N07	ZM07	10	075
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b. Date of receipt

: 08.03.2010

c. Date of acceptance

: 21.7.2011

Crop (Taxonomical Lineage) : Maize (*Zea mays* L.)

Denomination : DHM 117

Type of Variety : New

Classification of Variety : Hybrid variety

Previously proposed denomination : Not applicable

Name of Parental Material : Male Parent: BML-7
Female Parent: BML-6

Name of Reference Varieties : Bio 9637

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Tassel : Time of anthesis	Late [HKI 1126]
Ear : Time of silk emergence	Late [HKI 1126]

Ear: Anthocyanin colouration of siks	Present [HKI 323]
Plant: Length	Long [HQPM 1]
Ear: Type of grain	Flint [HKI 1105]
B. Distinct Characteristics:	
<p>DHM 117 has distinguishing characters like curved tassel attitude of lateral branches, presence of leaf anthocyanin colouration of sheath, flint type of grain and white ear colouration of glumes of cob.</p>	

C. Reference varieties:	
<p>1. BIO 9637: It has distinguishing characters like drooping tassel attitude of lateral branches, absence of leaf anthocyanin colouration of sheath, semi dent type of grain and light purple ear colouration of glumes of cob.</p>	

D. Date of commercialization of the variety	Notified in Gazette of India Vide S.O. No 211 (E) dated 29.01.2010 with denomination BH-40625 (DHM -117)
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E. Photographs: (See figure 13)

14. Application No.

E01	HA02	10	132
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 filed on **01/06/2010** by **Malathi Lakshmikumar, Lakshmikumar & Sridharan, B/60, Safdarjung Enclave, New Delhi-110 029** on behalf of **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400 020, India** for a extant (variety of common knowledge) plant variety of crop **Sunflower** (*Helianthus annus* L.) having denomination **MRSF 1144**, the specification including 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 MRSF 1144:

Applicant : Maharashtra Hybrid Seeds Company Limited
Address of the Applicant : Resham Bhavan, 4th Floor, 78, Veer Nariman Road,
Mumbai-400 020, India

Nationality of Applicant : Indian

Application details

a. Number

E01	HA02	10	132
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b. Date of receipt

: 01/06/2010

c. Date of acceptance

: 14/07/2011

Crop (Taxonomical Lineage) : Sunflower (*Helianthus annuus* L.)

Denomination : MRSF 1144

Type of Variety : Extant (Variety of Common Knowledge)

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : Parent 1: MHS-289

Parent 2: MHR-19-2

Name of Reference Varieties : KBSH 1 & MFSH 17

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Plant : time of 50% of flowering	Early [Morden/PKVSF-9]

Leaf: Serration	Medium [KBSH-42/PSFH-118]
Plant Height	Tall [KBSH-1/KBSH-42]
Plant Branching	Absent [Morden/KBSH-1]
Seed coat: Stripes	Present [Surya/KBSH-1/KBSH-41]

B. Distinct Characteristics:

MRSF 1144 has distinguishing characters like early time of 50% of flowering, obtuse in leaf angel of lateral veins, number of ray florets is many, turned down head attitude, head shape of grain side flat, tall plant height, ovoid wide seed shape, coat color of stripes on seed is grey and high seed oil content.

C. Reference varieties:

1. KBSH 1: It has distinguishing characters like medium time of 50% of flowering, acute in leaf angel of lateral veins, number of ray florets is medium, turned down head attitude, head shape of grain side convex, tall plant height, ovoid elongated seed shape, coat color of stripes on seed is white and high seed oil content

2. MSFH 17: It has distinguishing characters like medium time of 50% of flowering, actute in leaf angel of lateral veins, number of ray florets is medium, vertical head attitude, head shape of grain side convex, very tall plant height, ovoid elongated seed shape, coat color of stripes on seed is white and medium seed oil content

D. Date of commercialization of the variety	Commercialized since 18/07/2007
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E. Photographs: (See figure 14a and b)

15. Application No.

N30	OS30	10	539
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 filed on **30/12/2010** by **Signet Crop Sciences India (P) Limited, 522, First Floor, New Grain Market, Karnal-132 001, Haryana, India** on behalf of **NA** for a **new plant variety** of crop **Rice (*Oryza sativa L.*)** having

denomination **SIGNET-5050**, the specification including 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 SIGNET-5050:

Applicant : Signet Crop Sciences India (P) Limited

Address of the Applicant : 522, First Floor, New Grain Market,
Karnal-132 001, Haryana, India

Nationality of Applicant : Indian

Application details

a. Number :

N30	OS30	10	539
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b. Date of receipt : 30/12/2010

c. Date of acceptance : 05/07/2011

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

Denomination : SIGNET-5050

Type of Variety : New

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : 0079031 A x Pant Dhan 19 R

Name of Reference Varieties : Proagro 6444

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi, Heera]
Time of heading (50% of plants with panicle)	Medium[Vikas, Triguna]
Stem : Length (excluding panicles; excluding floating rice)	Short [PR 106, Vajram]
Decorticate grain: length	Long [Ratna, Triguna]
Decorticate grain: Shape (in lateral view)	Long bold [Vikramarya]
Decorticate grain: Colour	Light brown [--]
Endosperm: Content of amylose	Medium [Taroari Basmati]
Decorticate grain: Aroma	Absent [Jaya]

B. Distinct Characteristics:

SIGNET-5050 has distinguishing characters like dark intensity of green colour of leaf, strong density of pubescence of lemma, yellowish brown colour of awns, short length of longest awn, late leaf senescence, long bold decorticated grain shape and medium time of maturity.

C. Reference varieties:

1. Proagro 6444: It has distinguishing characters like medium intensity of green colour of leaf, medium density of pubescence of lemma, brown colour of awns, very short length of longest awn, medium leaf senescence, long slender decorticated grain shape and medium time of maturity.

D. Date of commercialization of the variety	Not commercialized
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E. Photographs: (See figure 15a and b)

16. Application No.

N31	OS31	10	540
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 filed on **30/12/2010** by **Signet Crop Sciences India (P) Limited, 522, First Floor, New Grain Market, Karnal-132 001, Haryana, India** on behalf of **NA** for a **new plant variety** of crop **Rice (*Oryza sativa L.*)** having denomination **SIGNET-5051**, the specification including 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 SIGNET-5051:

Applicant : Signet Crop Sciences India (P) Limited

Address of the Applicant : 522, First Floor, New Grain Market,
Karnal-132 001, Haryana, India

Nationality of Applicant : Indian

Application details

a. Number :

N31	OS31	10	540
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b. Date of receipt : 30/12/2010

c. Date of acceptance : 05/07/2011

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

Denomination : SIGNET-5051

Type of Variety : New

Classification of Variety : Hybrid

Previously proposed denomination : Not applicable

Name of Parental Material : 0079000 A x 0079191 R

Name of Reference Varieties : Proagro 6444

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi, Heera]
Time of heading (50% of plants with panicle)	Medium[Vikas, Triguna]
Stem : Length (excluding panicles; excluding floating rice)	Short [PR 106, Vajram]
Decorticate grain: length	Long [Ratna, Triguna]
Decorticate grain: Shape (in lateral view)	Long slender [Krishna Hamsa]
Decorticate grain: Colour	Light brown [--]
Endosperm: Content of amylose	Medium [Taroari Basmati]
Decorticate grain: Aroma	Absent [Jaya]
B. Distinct Characteristics: <p>SIGNET-5051 has distinguishing characters like absence of leaf auricles, presence of anthocyanin colouration of collar, medium length of blade, medium time of 50 percent heading, medium stem thickness, yellowish brown colour of awns, medium length of longest awn, awns distributed in upper half only, medium time of maturity, medium grain length, medium grain width and long decorticated grain length.</p>	

C. Reference varieties: <p>1. Proagro 6444: It has distinguishing characters like presence of leaf auricles, absence of anthocyanin colouration of collar, medium length of blade, medium time of 50 percent heading, thick stem thickness, brown colour of awns, very short length of longest awn, awns distributed at tip only, medium time of maturity, medium grain length, medium grain width and long decorticated grain length.</p>

D. Date of commercialization of the variety	Not commercialized
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E. Photographs: (See figure 16a and b)

17. Application No.

N32	OS32	10	541
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 filed on **30/12/2010** by **Signet Crop Sciences India (P) Limited, 522, First Floor, New Grain Market, Karnal-132 001, Haryana, India** on behalf of **NA** for a **new plant variety** of crop **Rice (*Oryza sativa L.*)** having denomination **SIGNET-44**, the specification including 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 SIGNET-44:

Applicant : Signet Crop Sciences India (P) Limited

Address of the Applicant : 522, First Floor, New Grain Market,
Karnal-132 001, Haryana, India

Nationality of Applicant : Indian

Application details

a. Number :

N32	OS32	10	541
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b. Date of receipt : 30/12/2010

c. Date of acceptance : 05/07/2011

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

Denomination : SIGNET-44

Type of Variety : New

Classification of Variety : Typical

Previously proposed denomination : Not applicable

Name of Parental Material : Individual plant selection from Pant Dhan 19

Name of Reference Varieties : Pant Dhan 19

Variety Description:

A. Group Characteristics	Remarks, measured values, example varieties, etc.
Basal leaf: Sheath colour	Green [Rasi, Heera]
Time of heading (50% of plants with panicle)	Medium[Vikas, Triguna]
Stem : Length (excluding panicles; excluding floating rice)	Short [PR 106, Vajram]
Decorticate grain: length	Long [Ratna, Triguna]
Decorticate grain: Shape (in lateral view)	Long slender [Krishna Hamsa]
Decorticate grain: Colour	Light brown [--]
Endosperm: Content of amylose	Medium [Taroari Basmati]
Decorticate grain: Aroma	Absent [Jaya]
B. Distinct Characteristics:	
<p>SIGNET-44 has distinguishing characters like medium width of blade, strong density of pubescence of lemma, medium stem thickness, medium length of main axis of panicle, deflexed curvature of main axis of panicle, medium length of longest awn, early time of maturity, high weight of 1000 grain, medium grain width, medium width of decorticated grain and long slender decorticated grain shape.</p>	

C. Reference varieties:

1. Pant Dhan 19: It has distinguishing characters like broad width of blade, very strong density of pubescence of lemma, thick stem thickness, long length of main axis of panicle, drooping curvature of main axis of panicle, short length of longest awn, medium time of maturity, high weight of 1000 grain, broad grain width, broad width of decorticated grain and long bold decorticated grain shape.

D. Date of commercialization of the variety

Not commercialized

E. Photographs: (See figure 17a and b)

भारतीय पौधा किस्म जर्नल खंड 05, अंक - 08, 01 अगस्त 2011 में

अधिसूचित प्रत्याशी किस्मों के चित्र

Photograph of candidate varieties notified in Plant Variety Journal of India, Vol. 5, No.- 08, August 01, 2011

चित्र 01:

Figure 01: Rice: Manik – NP 14



चित्र 01:

Figure 01a: General view of crop



चित्र 01:

Figure 01b: General view of spike

चित्र 02:

Figure 02: Rice: Harsha – NP 45



चित्र 02:

Figure 02a: General view of crop



चित्र 02:

Figure 02b: General view of spike

चित्र 03:

Figure 03: Rice: Malli – NP 222



चित्र 03:

Figure 03a: General view of crop



चित्र 03:

Figure 03b: General view of spike

चित्र 04:

Figure 04: Rice: Karishma – NP 111



चित्र 04:

Figure 04a: General view of crop



चित्र 04:

Figure 04b: General view of spike

चित्र 05:

Figure 05: Diploid cotton: MRDC 223



चित्र 05:

Figure 05: General view of flower

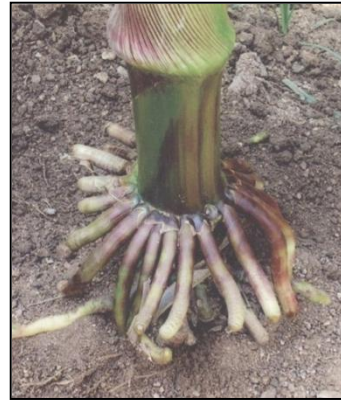
चित्र 06:

Figure 06: Maize: BIO 50265 H



चित्र 06:

Figure 06a: General view of silk



चित्र 06:

Figure 06b: General view of brace root

चित्र 07:

Figure 07: Diploid Cotton: Nirmal 18 (NACH-18)



चित्र 07:

Figure 07a: General view of flower



चित्र 07:

Figure 07b: General view of boll



चित्र 07:

Figure 07c: General view of square

चित्र 08:

Figure 08: Diploid Cotton: Ambika (NACH-12)



चित्र 08:

Figure 08a: General view of flower



चित्र 08:

Figure 08b: General view of boll



चित्र 08:

Figure 08c: General view of leaf

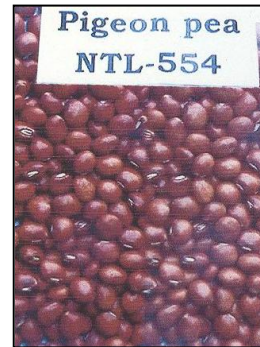
चित्र 09:

Figure 09: Pigion pea: Nirmal-554 (NTL-554)



चित्र 09:

Figure 09a: General view of plant



चित्र 09:

Figure 09b: General view of seed

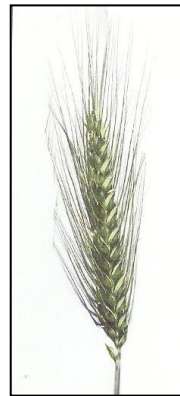
चित्र 10:

Figure 10: Bread wheat: Vinay (NW-404)



चित्र 10:

Figure 10a: General view of flower



चित्र 10:

Figure 10b: General view of boll



चित्र 10:

Figure 10c: General view of leaf

चित्र 11:

Figure 11: Pearl Millet: BPM 905

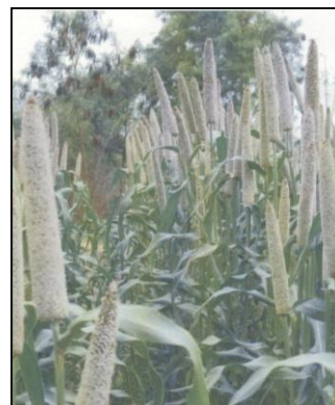


चित्र 11:

Figure 11: General view of crop

चित्र 12:

Figure 12: Pearl Millet: BPM 906



चित्र 12:

Figure 12: General view of crop

चित्र 13:

Figure 13: Maize: DHM 117



चित्र 13:

Figure 13: General view of cob

चित्र 14:

Figure 14: Sunflower: MRSF 1144



चित्र 14:

Figure 14a: General view of head



चित्र 14:

Figure 14b: General view of seed

चित्र 15:

Figure 15: Rice: SIGNET-5050



चित्र 15:

Figure 15a: General view of crop at maturity



चित्र 15:

Figure 15b: General view of grain

चित्र 16:

Figure 16: Rice: SIGNET-5051



चित्र 16:

Figure 16a: General view of crop at flowering



चित्र 16:

Figure 16b: General view of crop at maturity

चित्र 17:

Figure 17: Rice: SIGNET-44



चित्र 17:

Figure 17a: General view of crop at maturity



चित्र 17:

Figure 17b: General view of grain