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GOVERNMENT OF INDIA

भारतीय पौधा किस्म जरनल

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(नियमावली 12, पौ.कि. और कृ.अ. संरक्षण नियमावली, 2006)

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पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
(संसद के अधिनियम द्वारा निर्मित सांविधिक निकाय)
एनएएससी काम्प्लैक्स, डीपीएसमार्ग, निकट टोडापुर गांव, नई दिल्ली—110012

PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
(A Statutory Body created by an Act of Parliament)
NASC COMPLEX, DPS MARG, Opp. Todapur Village, New Delhi-110012



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

भारतीय पौधा किस्म जर्नल, खण्ड 14, अंक 11
जनवरी 12, 2021 पौष मास— चतुर्दशी-14, शक् 1942

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‘भारतीय पौधा किस्म जर्नल’ पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि. और कृ.अ.सं.प्रा.) का आधिकारिक जर्नल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआरए, एनएएससी काम्प्लैक्स (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, 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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Passport data of 11 varieties published for calling objection(s) if any from persons in the matter.

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Seeds sent for DUS/Characterization to DUS Centres in October-2020

Crop	Category				Grand Total	DUS Centre-1	DUS Centre-2
	New		VCK	Farmer			
	1st Year	2nd Year					
Barley	1	2	-	4	7	IIWBR Karnal	AICW&BP (RARI) Rajasthan
Bread Wheat	-	-	-	7	7	IARI Indore	IIWBR Karnal
Chilli	-	-	2	-	2	IARI New Delhi	IIHR Bangalore
Fenugreek	-	-	-	2	2	NRCSS Ajmer	DMAPR Gujarat
Field Pea	-	-	1	1	2	MULLaRP IIPR Kanpur	JNKVV Jabalpur
Indian Mustard	1	2	3	3	9	DRMR Bharatpur	CSAUA&T Kanpur
Linseed	-	-	-	4	4	CSAUA&T Kanpur	JNKVV Jabalpur
Rapeseed (Toria)	-	-	-	2	2	DRMR Bharatpur	CSAUA&T Kanpur
Safflower	-	1	-	-	1	IIOR Telangana	PDKV Akola
Sunflower	1	2	-	-	3	IIOR Telangana	TNAU Coimbatore
Tomato	3	3	1	-	7	IIVR Varanasi	IIHR Bangalore
Grand Total	6	10	7	23	46		

**Parents of hybrids sent to Shivamogga for Hybridization in
October-2020**

Crop	Category		Total
	New	VCK	
Chilli	2	11	13
Okra	5	3	8
Sunflower	1	-	1
Tomato	7	5	12
Watermelon	-	4	4
Total	15	23	38

PUBLIC NOTICE

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

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

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

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

*Farmer(s) are exempted from payment of any fee in proceeding under Section 44 of PPV&FR Act, 2001.

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

1. Application No.

N12	SB 13	07	56
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007 by **Dr. Malathi Lakshmikumaran Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **M/s Crystal Crop Protection Limited, B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052** for **New** variety of crop **Sorghum (*Sorghum bicolor* (L.) Moench)** having denomination **MIJ-008** 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 : MIJ-008
Applicant : M/s Crystal Crop Protection Limited
Address of the applicant : B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052.
Nationality of applicant : Mauritius
Application details
a. Number :

N12	SB 13	07	56
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b. Date of receipt : 21.05.2007
c. Date of acceptance : --
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)
Denomination : MIJ-008
Type of variety : New
Classification of variety : Other (inbred parental line)
Previously proposed : Not applicable
Denomination :
Name of parental material : BD 62
Source of parental material : Collected from Jalna, Maharashtra
Name of reference varieties : AKMS 14A and 296A

Variety description:

A. Grouping characteristics	Remarks (measured values)
Type of sorghum: Grain/Forage/Sweet sorghum (Characteristic 14)	Grain
Season of adaptation: <i>Kharif</i> (Rainy season)/ <i>Rabi</i> (Post-rainy season) (Characteristic 14)	<i>Kharif</i> and <i>Rabi</i>
Plant: Time to 50% flowering (50% of the plants with 50% anthesis) (Characteristic 3)	Medium
Plant: Total height at maturity (Characteristic 14)	Short

Panicle: Shape (Characteristic 21)		Symmetric
Grain: Colour after threshing (Characteristic 26)		Greyed orange
B. Distinct characteristic of candidate variety: MIJ-008 has distinguishing character as low grain weight.		
C. Distinct characteristic of reference varieties: AKMS 14A and 296A have distinguishing character as medium grain weight.		
D. Date of commercialization of the variety		-
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Growth habit (Determinate/Indeterminate)	Determinate
2.	Days to flowering/anthesis (average) (days after transplanting)	68-72 days
3.	Days to physiological maturity (average)	105-110 days
4.	Seed rate kg/acre	4 kg/ac
5.	Recommended nutrition/acre scheduled to attain potential yield and time of application Organic Inorganic (kg/ac) Other fertilizers	4-5 mt/ac NPK; 32:16:16 -
6.	Spacing (cms) requirement to attain potential yield Row to Row Plant to Plant	40-60 cm 10-15 cm
7.	Soil requirement to attain potential yield	Medium to light soil type but the clayey loam soil rich in humus is found to be the most ideal. It may tolerate mild soil acidity and mild soil alkalinity under pH 5.5 to 8.0. A good sorghum soil must have an efficient drainage facility, so it may withstand water logging more than maize. Water logging in manure crop may prove very harmful as the plants may fall down and rotting of the ears will occur.
8.	Plant protection measures to attain potential yield	Shoot fly: carbofuran 3G or phorate 10G@ 20kg/ha at the time of planting in seed furrows, carbofuran granule 3G@ 8kg/ha in the leaf whorl at 7-14 days after sowing, spray cypermethrin 25% EC@ 2 ml/L at 7 & 14 days after seedling emergence. Stem borer: Carbaryl 3G 2-3 granule into the whole of plant, furodon 3G@ 8-12 kg/ha at 20 & 35 days after emergence, spray cypermethrin 25%

		<p>EC@ 2 ml/L after 15-20 days of crop age.</p> <p>Aphid: spraying of (metasystox) dimethoate (rebelate dimethoate) 4 EC@ 1L in 500 L of water and imidachloprid 0.5 ml/L</p> <p>Panicle worm: Monocrotophos 30 EC@ 1L in 500 L water, cypermethrin 25% EC@ 2 ml/L or quinalphos @ 2 ml/L in water</p> <p>Grain mold: Aurifungin@ 2ml/L of water or captan + diathane M 45 @ 2 g/L of water at 50% flowering stage</p>
9.	Sowing window requirement to attain potential yield (zone wise)	<p><i>Kharif</i>: 1st week of June-3rd week of July and depending upon onset of monsoon</p> <p><i>Rabi</i>: September-October</p>
10.	Number of irrigations requirement to attain potential yield (zone wise)	Irrigated
11.	The best growing season to attain potential yield	Zone-2, central India-during <i>kharif</i> season (June-July), zone-3, south India-during <i>rabi</i> season (September-October)
12.	Name of the cropping/climate zone of India in which the varietal/hybrid trials were conducted	It is an inbred line used for seed production during <i>rabi</i> season at south zone
13.	Intercultural operations (including training, pruning and nipping)	<p>Weed control: One hand weeding followed by two hoeing is recommended.</p> <p>Thinning: One thinning should be done 15-20 days after the emergence of seedlings.</p>
14.	Any other relevant information specific to the variety/hybrid	Harvest all the heads from the plant one week after the physiological maturity. Physiological maturity can be judged based on development of the black spot at the base of the grain. Delay in harvesting will have effect on the quality of grain and fodder. The safe moisture content of sorghum is a varietal factor but can normally be taken as 12-13%
15.	Zone wise yield potential (average) per acre (q/acre) (if applicable)	NA
	Seed yield/acre (average)	720-880 kg/ac
Figure 1		<u>*DUS Characteristics of MIJ-008</u>

2. Application No.

E13	LL3	10	380
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 filed on 23.12.2010 by **Dr. Malathi Lakshmikumaran Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020** for **Extant (VCK)** variety of crop **Tomato (*Lycopersicon lycopersicum* (L.) Karsten ex. Farw)** having denomination **TM 61455** 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 : TM 61455
Applicant : Maharashtra Hybrid Seeds Company Limited
Address of the applicant : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020

Nationality of applicant : Indian

Application details

a. Number :

E12	LL3	10	380
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b. Date of receipt : 23.12.2010
c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Lycopersicon lycopersicum* (L.) Karsten ex. Farw)

Denomination : TM 61455
Type of variety : Extant (VCK)
Classification of variety : Other (inbred parental line)
Previously proposed :
Denomination : Not applicable
Name of parental material : BT-276
Source of parental material : Own germplasm
Name of reference varieties : JT-3 and Azad T-2

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent
Fruit : Shape in longitudinal section (Characteristic 33)	Slightly flattened
Fruit : Colour at maturity (Characteristic 43)	Red
B. Distinct characteristics of candidate variety: TM 61455 has distinguishing characters as less serrated leaflet and shallow fruit depression at peduncle end.	

C. Distinct characteristics of reference varieties: JT-3 and Azad T-2 have distinguishing characters as leaflet serration absent (potato type) and fruit depression at peduncle end absent.		
D. Date of commercialization of the variety		Commercialization on 03.12.2003 (Hybrid-MHTM-256)
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Growth habit (Determinate/Indeterminate)	Determinate
2.	Days to flowering/anthesis (average) (days after transplanting)	--
3.	Days to maturity (average) (days after transplanting)	60-63
4.	Planting material/seed material requirement	60-70 g/ac
5.	Fertilizer requirement to attain potential yield and time of application Organic (per acre or per plant) Inorganic (per acre or per plant) Other fertilizers (per acre or per plant)	Apply FYM and 50% the recommended quantity of nitrogen and complete dose of potash and phosphorus at final land preparation. Balance quantity of nitrogen is applied in two split dose as top dressing. 500 kg neem per ac or per pl NPK-50:80:80 kg/ac -
6.	Spacing (cms) requirement to attain potential yield Row to Row Plant to Plant	90 60
7.	Soil requirement to attain potential yield	TM 61455 can be successfully taken up on different types of soils rich in organic matter, pH range of 7-8.5 is best suited
8.	Plant protection measures to attain potential yield	Disease and pest control white fly/jassids: application of phorate (thimet) @ 12.5 kg/ha gives a good protection to the crop for about 21 days. Spray endosulfan (thiodan) or oxy-dematon methyl (metasystox) @ 2ml/L at an interval of 10-15 days. Mites/thrips: dust sulphur@ 20-25 kg/ha or spray with dicofol (kelthane)/dinocab (karathane) @ 1.5-2.0 ml/L of water. Serpentine leaf minor: spray of neem seed kernel extract (4%) or triazophos (0.05%) once in three week. Fruit fly: collect infested fruits and dried leaves and burn in deep pit.

		<p>Fruit should not be allowed to over ripe on plants.</p> <p>Frequent raking or ploughing under vines to expose.</p> <p>Spray dichlorvos (0.1%) or endosulfan (thiodan) @ 2.0-2.5 ml of water.</p> <p>Major disease: Alternaria blight: spray hexacap (0.25%) or copper oxy chloride (0.3%) or mancozeb at 8-10 days interval.</p> <p>Powdery mildew: dust sulphur @ 20-25 kg/ha.</p> <p>Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity.</p> <p>Fusarium wilt: Rotate the crop (3 years rotation).</p> <p>Viral complex: control the vector carrying the virus.</p>
9.	Sowing window requirement to attain potential yield (zone wise)	<p><i>Kharif</i>: May-June</p> <p>Summer: January-February</p>
10.	Number of irrigations requirement to attain potential yield (zone wise)	The first irrigation given immediately after transplanting of seedlings and thereafter the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement
11.	The best growing season to attain potential yield	<p><i>Kharif</i>: May-June</p> <p>Summer: January-February</p>
12.	Name of the cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temperature of 25-30 ⁰ C is most favourable for its cultivation
13.	Any other relevant information specific to the variety/hybrid	Staking- The plants are staked to avoid damage to fruits which otherwise may rot when they come in contact with soil, if not staked. The common practice is to take individual plants or provide support to plants in a row.
14.	Yield potential (average) per acre (q/ac)	120-122
15.	Yield of fruits per plant (average) (kg)	2.5-3.5
Figure 2		* <u>DUS Characteristics of TM 61455</u>

3. Application No.

N25	PG29	14	2419
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 on 01.12.2014 by **Dr. Sanjeev Kumar Chandel, Manager, JK Agri Genetics Ltd., Link House 3, Bahadur Shah Zafar Marg, New**

Delhi-110022 on behalf of **JK Agri Genetics Ltd, 1-10-177, 4th Floor, Varun Towers, Begumpet, Hyderabad-500016** for New variety of crop **Pearl millet (*Pennisetum glaucum* (L.) R.Br.)** having denomination **JKR 06128** 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 : JKR 06128
Applicant : JK Agri Genetics Ltd
Address of the applicant : 1-10-177, 4th Floor, Varun Towers, Begumpet, Hyderabad-500016
Nationality of applicant : Indian
Application details
a. Number :

N25	PG29	14	2419
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b. Date of receipt : 01.12.2014
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R.Br.)
Denomination : JKR 06128
Type of variety : New
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : JKR 00497 and JKR 11570
Source of parental material : Own germplasm
Name of reference varieties : H-77/833-2-202 and J2340

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Very late
Anther: Colour (Characteristic 9)	Yellow
Plant Height (Characteristic 22)	Short
Spike: Shape (Characteristic 23)	Cylindrical
Seed: Colour (Characteristic 26)	Yellow brown
Seed: Shape (Characteristic 27)	Obovate
B. Distinct characteristic of candidate variety: JKR 06128 has distinguishing character as plant node pubescence absent.	
C. Distinct characteristics of reference varieties: H-77/833-2-202 and J2340 have distinguishing character as plant node pubescence present.	

D. Date of commercialization of the variety		-
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium
2.	Production condition: Suitability Area in the Country	Telangana, Andhra Pradesh and Karnataka
3.	: Time of Sowing	January 1 st fortnight and October 1 st fortnight
	: Irrigated/Rainfed	Suitable to both conditions
	: Low fertility/High fertility of Soil	Suited to both levels of fertility
4.	Fertilizer requirement (N:P:K) kg/ac	NPK-20:10:0 kg/ac
5.	Tolerance to Disease & Pests	Tolerant to downy mildew, rust and smut
6.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Tolerant to high temperature levels up to 40° C
7.	Grain characters	
	a) Kernel size (cm)	Seed is obovate and medium bold
	b) Seed lustre (Present/Absent)	Absent
	c) Seed colour	Yellow brown
8.	Zone Wise Yield Potential (Average) per acre (q/ac)	7-8 q/ac in Zone B
9.	Seed Yield q/ac (Average)	6.4 – 8 q/ac
10.	Seed: Weight (100 seed weight in g)	0.90 g
11.	Any other relevant information specific to the variety/hybrid	Compact cylindrical spike with yellow anthers and medium size grains
Figure 3		*DUS Characteristics of JKR 06128

4. Application No.

E19	SM33	10	431
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 filed on 27.12.2010 by **Dr. Malathi Lakshmikumaran, Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for **Extant (VCK)** variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **S-EP-011** 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 : S-EP-011

Applicant : Sungro Seeds Private Limited
Address of the applicant : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088
Nationality of applicant : Indian
Application details
a. Number :

E19	SM33	10	431
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b. Date of receipt : 27.12.2010
c. Date of acceptance : --
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)
Denomination : S-EP-011
Type of variety : Extant (VCK)
Classification of variety : Other (inbred parental line)
Previously proposed
Denomination : Not applicable
Name of parental material : D-493
Source of parental material : Local collection from West Bengal
Name of reference varieties : Arka Kusumakar & Arka Shiris

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Club shaped
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
B. Distinct characteristic of candidate variety: S-EP-011 has distinguishing character as weak fruit spininess of calyx.		
C. Distinct characteristic of reference varieties: Arka Kusumakar and Arka Shiris have distinguishing characters as fruit spininess of calyx absent.		
D. Date of commercialization of the variety		06.08.2004 (Hybrid- SBJH-132)
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Late
2.	Production condition: Suitability Area in the Country : Time of Sowing : Irrigated/Rainfed : Low fertility/High fertility of Soil	Bihar, Jharkhand, West Bengal, Odisha, Andhra Pradesh & Uttar Pradesh <i>Kharif</i> (June-July), <i>Rabi</i> (October-November) & Summer (January-February) Irrigated High fertility

3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	Sensitive to frost & heat
4.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
5.	Resistance/Tolerance to Pest/s	Moderately resistant to bacterial wilt
6.	Staking & pruning Practices	No
7.	Winter–spring cropping seasons Type	<i>Kharif</i> (June-July) & <i>Rabi</i> (October-November)
8.	Fruit Yield q/ha	300-325 q/ha
9.	Fruit Yield/plant (kg/ha) (average)	2.0-2.2 kg/pl
10.	Fruit quality and Fruit firmness	Medium
11.	Fruit Picking Schedule	Weekly after 60-70 DAT
12.	Transport Potential (Days)	3-5 days
13.	Unique Selling Propositions and Optimal Shelf-Life (Days)	USP: Attractive club shaped, uniform green colour, cluster bearing, green calyx, shelf life 3-5 days
14.	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained and high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.
Figure 4		* <u>DUS Characteristics of S-EP-011</u>

5. Application No.

E15	SM49	10	447
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 filed on 27.12.2010 by **Dr. Malathi Lakshmikumaran, Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for **Extant (VCK)** variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **S-EP-041** 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 : S-EP-041
Applicant : Sungro Seeds Private Limited
Address of the applicant : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

Application details

a. Number	: E15	SM49	10	447
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b. Date of receipt : 27.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : S-EP-041

Type of variety : Extant (VCK)

Classification of variety : Other (inbred parental line)

Previously proposed

Denomination : Not applicable

Name of parental material : BI-04

Source of parental material : Own germplasm

Name of reference varieties : Pusa Purple Long & JBL-03-04

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Long
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Club shaped
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
B. Distinct characteristics of candidate variety:		
S-EP-041 has distinguishing characters as early flowering time and club shaped fruit general shape.		
C. Distinct characteristics of reference varieties:		
Pusa Purple Long and JBL-03-04 have distinguishing characters as medium flowering time (days after seed sowing) and cylindrical fruit general shape.		
D. Date of commercialization of the variety		31.03.2004 (Hybrid- SBJH-123 Improved)
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Early
2.	Production condition: Suitability area in the country : Time of Sowing : Irrigated/Rainfed : Low fertility/High fertility of soil	Uttar Pradesh, Bihar, Punjab, Haryana, Rajasthan, Madhya Pradesh, Gujarat, Chhattisgarh, Maharashtra, West Bengal & Assam <i>Kharif</i> (June-July) & <i>Rabi</i> (October-November) & <i>Summer</i> (January-February) Irrigated High fertility
3.	Tolerance to adverse temperature/frost/ & heat-sensitive/tolerance	Sensitive to frost & heat

4.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
5.	Resistance/Tolerance to Pest/s	NA
6.	Staking & pruning practices	No
7.	Winter–Spring cropping seasons type	<i>Kharif</i> (June-July sowing) & <i>Rabi</i> (October-November sowing)
8.	Fruit yield q/ha	250-300 q/ha
9.	Fruit yield/plant (kg/ha)(average)	1.5-2.0 kg/pl, 25000-30000 kg/ha
10.	Fruit quality and fruit firmness	Medium
11.	Fruit picking schedule	Weekly after 45 DAT
12.	Transport potential (Days)	3-5 days
13.	Unique selling propositions and optimal shelf-life (Days)	USP: Attractive shiny dark purple, cylindrical with green calyx and shelf life 3-5 days
14.	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained and high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rooting disease.
Figure 5		<u>*DUS Characteristics of S-EP-041</u>

6. Application No.

E16	SM52	10	450
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 filed on 27.12.2010 by **Dr. Malathi Lakshmikumaran, Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for **Extant (VCK)** variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **S-EP-038** 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 : S-EP-038
Applicant : Sungro Seeds Private Limited
Address of the applicant : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088
Nationality of applicant : Indian

Application details

E16	SM52	10	450
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a. Number	:
b. Date of receipt	: 27.12.2010
c. Date of acceptance	: --
Crop (taxonomical lineage)	: Brinjal (<i>Solanum melongena</i> L.)
Denomination	: S-EP-038
Type of variety	: Extant (VCK)
Classification of variety	: Other (inbred parental line)
Previously proposed	
Denomination	: Not applicable
Name of parental material	: D-383 x D-386
Source of parental material	: Own germplasm
Name of reference varieties	: BR-14, Pant Rituraj & BR-112

Variety description:

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
B. Distinct characteristics of candidate variety: S-EP-038 has distinguishing characters as stem anthocyanin colouration absent, light purple flower colour, ovoid fruit general shape and spreading plant growth habit.		
C. Distinct characteristics of reference varieties: BR-14 has distinguishing characters as stem anthocyanin colouration present, purple flower colour, Obovate fruit general shape and semi spreading plant growth habit. Pant Rituraj has distinguishing characters as stem anthocyanin colouration present, dark purple flower colour, obovate fruit general shape and semi spreading plant growth habit. BR-112 has distinguishing characters as stem anthocyanin colouration present, dark purple flower colour, obovate fruit general shape and semi spreading plant growth habit.		
D. Date of commercialization of the variety		22.04.2005 (Hybrid- SBJH-143)
E. Agronomic & commercial attributes		
S. No.	Agronomic & commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium
2.	Production condition: Suitability area in the country : Time of Sowing : Irrigated/Rainfed : Low fertility/High fertility of Soil	Gujarat, Uttar Pradesh, Rajasthan, Punjab, Haryana, Bihar, Jharkhand, Chhattisgarh, Madhya Pradesh, Maharashtra, Karnataka, Tamil Nadu, Andhra Pradesh & Assam Kharif (June-July) & Rabi (October-November) Irrigated High fertility

3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	Sensitive to frost & heat
4.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
5.	Resistance/Tolerance to Pest/s	Susceptible to bacterial/fusarium/verticillium wilt
6.	Staking & pruning practices	No
7.	Winter–spring cropping seasons type	<i>Kharif</i> (June-July sowing) & <i>Rabi</i> (October-November sowing)
8.	Fruit yield q/ha	250-300 q/ha
9.	Fruit yield/plant (kg/ha)(average)	1.5-2.0 kg/pl, 25000-30000 kg/ha
10.	Fruit quality and fruit firmness	Good
11.	Fruit picking schedule	Weekly after 70 DAT
12.	Transport potential (Days)	4-6 days
13.	Unique Selling Propositions and Optimal Shelf-Life (Days)	USP: Attractive pink colour, firm fruit with green calyx, more calyx cover and shelf life 5-7 days
14.	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained and high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rooting disease.
Figure no. 6 & 7		<u>*DUS Characteristics of S-EP-038</u>

7. Application No.

E1	ST5	17	1898
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 led on 05.10.2017 by **Mr. Prakash Lohia, Merino Industries Limited, Village-Achheja, P.O.-Hapur-245101 (U.P.)** on behalf of **Germicopa SAS, 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex France** for Extant (VCK) variety of crop **Potato (*Solanum tuberosum* L.)** having denomination **DOLLY** 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 : DOLLY
Applicant : Germicopa SAS

Address of the applicant : 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex
France

Nationality of applicant : France

Application details

a. Number :

E1	ST5	17	1898
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b. Date of receipt : 05.10.2017

c. Date of acceptance : --

Crop (taxonomical lineage) : Potato (*Solanum tuberosum* L.)

Denomination : DOLLY

Type of variety : Extant (VCK)

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : Lady Rosetta and Britta

Source of parental material : National listing France

Name of reference varieties : Lady Rosetta and Kufri Arun

Variety description:

A. Grouping characteristics	Remarks (measured values)	
Light sprout: Predominant colour (Characteristic 1)	Purple	
Stem : Predominant colour (Characteristic 11)	Green	
Flower: Corolla colour (Characteristic 29)	Red-violet	
Tuber: Predominant skin colour (Characteristic 43)	Red	
B. Distinct characteristics of candidate variety: DOLLY has distinguishing characters as poorly developed plant wing, leaflet glossiness of upper side medium and orange flower anther colour.		
C. Distinct characteristics of reference varieties: Lady rosetta and Kufri Arun have distinguishing characters as highly developed plant wing, weak leaflet glossiness of upper side and yellow flower anther colour.		
D. Date of commercialization of the variety	17.02.2011 in Switzerland	
E. Agronomic and commercial attributes		
S. No.	Agronomic and commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Early Medium
2.	Production condition: Suitability area in the country	Punjab, Uttar Pradesh, Madhya Pradesh, Gujarat & West Bengal
	: Time of Sowing	October to November
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility
3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	Heat sensitive
4.	Tolerance to Water Stagnation: Sensitive/Tolerant	Sensitive

5.	Resistance/Tolerance to Pests	Low tolerance to late blight resistance to PVX, PVA and golden nematode
6.	Staking & pruning practices	NA
7.	Winter–Spring cropping seasons Type	Winter
8.	Fruit Yield q/ha	200-250 q/ha
9.	Fruit Yield/plant (kg)(average)	NA
10.	Fruit quality and fruit firmness	As per the industry norms
11.	Fruit picking schedule	One time picking (at maturity)
12.	Transport Potential (Days)	3 days
13.	Unique Selling Propositions and Optimal shelf-Life (days)	Low sugar & high dry matter
14.	Any other relevant information specific to the variety/hybrid	Early bulking
Figure 8		<u>*DUS Characteristics of DOLLY</u>

8. Application No.

E2	ST6	17	1899
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 filed on 05.10.2017 by **Mr. Prakash Lohia, Merino Industries Limited, Village- Achheja, P.O.-Hapur-245101 (U.P.)** on behalf of **Germicopa SAS, 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex France** for Extant (VCK) variety of crop **Potato (*Solanum tuberosum* L.)** having denomination **SASSY** 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 : SASSY
Applicant : Germicopa SAS
Address of the applicant : 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex France
Nationality of applicant : France
Application details
a. Number :

E2	ST6	17	1899
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b. Date of receipt : 05.10.2017
c. Date of acceptance : --
Crop (taxonomical lineage) : Potato (*Solanum tuberosum* L.)
Denomination : SASSY
Type of variety : Extant (VCK)
Classification of variety : Typical

Previously proposed : Not applicable
Denomination
Name of parental material : G82TT137001 and PROMESSE
Source of parental material : National listing France
Name of reference variety : Kufri Frysona

Variety description:

A. Grouping characteristics		Remarks (measured values)
Light sprout: Predominant colour (Characteristic 1)		Purple
Stem: Predominant colour (Characteristic 11)		Green
Flower: Corolla colour (Characteristic 29)		Red-violet
Tuber: Predominant skin colour (Characteristic 43)		Whitish cream
B. Distinct characteristics of candidate variety: SASSY has distinguishing characters as purple light sprout predominant colour, rough tuber skin type, flower anthocyanin colouration of bud present.		
C. Distinct characteristics of reference variety: Kufri Frysona has distinguishing characters as red purple light sprout predominant colour, smooth tuber skin type, flower anthocyanin colouration of bud absent.		
D. Date of commercialization of the variety		19.02.2004 in UK
E. Agronomic and commercial attributes		
S. No.	Agronomic and commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Early Medium
2.	Production condition: Suitability area in the country	Punjab, Uttar Pradesh, Madhya Pradesh, Gujarat & West Bengal
	: Time of Sowing	October to November
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility
3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	Heat sensitive
4.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
5.	Resistance/Tolerance to Pests	Resistance to late blight, resistance to golden nematode
6.	Staking & pruning practices	NA
7.	Winter–Spring cropping seasons type	Winter
8.	Fruit yield q/ha	200-250 q/ha
9.	Fruit yield/plant (kg)(average)	NA
10.	Fruit quality and fruit firmness	As per the industry norms
11.	Fruit picking schedule	One time picking (at maturity)
12.	Transport potential (days)	3 days

13.	Unique Selling Propositions and Optimal shelf-Life (days)	Low sugar & high dry matter
14.	Any other relevant information specific to the variety/hybrid	Early bulking
Figure 9		* <u>DUS Characteristics of SASSY</u>

9. Application No.

E4	ST8	17	1901
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 on 05.10.2017 by **Mr. Prakash Lohia, Merino Industries Limited, Village-Achheja, P.O.-Hapur-245101 (U.P.)** on behalf of **Germicopa SAS, 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex France** for Extant (VCK) variety of crop **Potato (*Solanum tuberosum* L.)** having denomination **EDONY** 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 : EDONY
Applicant : Germicopa SAS
Address of the applicant : 1 Allee Loeiz Herrieu CS 33033-329334 Quimper Cedex France
Nationality of applicant : France
Application details
a. Number :

E4	ST8	17	1901
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b. Date of receipt : 05.10.2017
c. Date of acceptance : --
Crop (taxonomical lineage) : Potato (*Solanum tuberosum* L.)
Denomination : EDONY
Type of variety : Extant (VCK)
Classification of variety : Typical
Previously proposed : Not applicable
Denomination :
Name of parental material : SASSY and G95TM001002
Source of parental material : Own and National listing France
Name of reference variety : Kufri Pukhraj

Variety description:

A. Grouping characteristics	Remarks (measured values)
Lightsprout: Predominant colour (Characteristic 1)	Purple
Stem : Predominant colour (Characteristic 11)	Green
Flower: Corolla colour (Characteristic 29)	Red-violet

Tuber: Predominant skin colour (Characteristic 43)	Whitish cream	
B. Distinct characteristics of candidate variety: EDONY has distinguishing characters as conical lightsprout shape, ovate leaf leaflet (lateral) shape, medium deep tuber depth of eye, cream colour of tuber flesh, red-violet flower corolla colour.		
C. Distinct characteristics of reference variety: Kufri Pukhraj has distinguishing characters as cylindrical lightsprout shape, ovate lanceolate leaf leaflet (lateral) shape, shallow tuber depth of eye, yellow colour of tuber flesh, white flower corolla colour.		
D. Date of commercialization of the variety	11.05.2012 in Netherlands	
E. Agronomic and commercial attributes		
S. No.	Agronomic and commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium Late
2.	Production condition: Suitability area in the country	Punjab, Uttar Pradesh, Madhya Pradesh, Gujarat & West Bengal
	: Time of Sowing	October to November
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of Soil	High fertility
3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	Heat sensitive
4.	Tolerance to water stagnation: Sensitive/Tolerant	Sensitive
5.	Resistance/Tolerance to Pests	Resistance to late blight, resistance to golden nematode
6.	Staking & pruning practices	NA
7.	Winter–Spring cropping seasons type	Winter
8.	Fruit yield q/ha	200-250 q/ha
9.	Fruit yield/plant (kg)(average)	NA
10.	Fruit quality and Fruit firmness	As per the industry norms
11.	Fruit picking schedule	One time picking (at maturity)
12.	Transport potential (days)	3 days
13.	Unique Selling Propositions and Optimal shelf-Life (days)	Low sugar & high dry matter
14.	Any other relevant information specific to the variety/hybrid	Good storage ability
Figure 10 & 11		<u>*DUS Characteristics of EDONY</u>

10. Application No.

N3	PG4	11	1354
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 filed on 19.12.2011 by **Dr. G.S. Varaprasad, Cunsultant-R&D, Nuziveedu Seeds Limited, Survey No. 69, Kandlakoya- Vill & Panchayat, Medchal-Mandal, Rangareddy- Dist., T.G-501401** on behalf of **Nuziveedu Seeds Ltd, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal,**

Rangareddy- Dist-501401 for **New** variety of crop **Pearl millet (*Pennisetum glaucum* (L.) R.Br.)** having denomination **NB-98R** 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 : NB-98R
Applicant : Nuziveedu Seeds Limited,
Address of the applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat),
Medchal-Mandal, Rangareddy- Dist-501401
Nationality of applicant : Indian
Application details
a. Number :

N3	PG4	11	1354
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b. Date of receipt : 19.12.2011
c. Date of acceptance : --
Crop (taxonomical lineage) : Pearl millet (*Pennisetum glaucum* (L.) R.Br.)
Denomination : NB-98R
Type of variety : New
Classification of variety : Other (Parental Line)
Previously proposed : Not applicable
Denomination :
Name of parental material : NB-106 and NB-431
Source of parental material : Own germplasm
Name of reference variety : PB 106

Variety description:

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Very late
Anther: Colour (Characteristic 9)	Purple
Plant Height (Characteristic 22)	Short
Spike: Shape (Characteristic 23)	Cylindrical
Seed: Colour (Characteristic 26)	Grey
Seed: Shape (Characteristic 27)	Globular
B. Distinct characteristic of candidate variety: NB-98R has distinguishing character as grey seed colour.	
C. Distinct characteristic of reference variety: PB 106 has distinguishing character as grey brown seed colour.	
D. Date of commercialization of the variety	13.06.2011 (Hybrid NBH-4903)

E. Agronomic and commercial attributes		
S. No.	Agronomic and commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Late
2.	Production condition: Suitability area in the country	
3.	: Time of Sowing	Onset of Monsoon (June-July) & Summer
	: Irrigated/Rainfed	Irrigated & Rainfed
	: Low fertility/High fertility of soil	Low fertility of soil
4.	Tolerance to Disease & Pests	Tolerant to downey mildew and blast
5.	Tolerance to adverse Temperature/Frost/Heat & Salinity	Heat tolerant
6.	Grain Characters	
	Physical:	
	a) Kernel Size (cm)	24-26 cm
	b) Seed Lustre (Present/Absent)	Present
7.	c) Seed Colour	Light grey
	Zone Wise Yield Potential (Average) per acre (q/Acre)	10-12 q/ac
8.	Seed Yield q/ac (Average)	8-10 q/ac
9.	Seed: Weight (100 seed weight in g)	10 g
10.	Any other relevant information specific to the variety/hybrid	-
Figure 12		*DUS Characteristics of NB-98R

11. Application No.

E3	AE5	10	417
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 filed on 27.12.2010 by **Dr. Malathi Lakshmikumaran, Lakshmikumaran & Sridharan, B-6/10, Safdarjung Enclave, New Delhi-110029** on behalf of **Sungro Seeds Private Limited 3rd floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, Delhi-110088** for **Extant (VCK)** variety of crop **Okra (*Abelmoschus esculentus* (L.) Moench.)** having denomination **SOK-586** 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 : SOK-586

Applicant : Sungro Seeds Private Limited
Address of the applicant : 3rd floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, Delhi – 110088
Nationality of applicant : Indian
Application details
a. Number :

E3	AE5	10	417
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b. Date of receipt : 27.12.2010
c. Date of acceptance : --
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench.)
Denomination : SOK-586
Type of variety : Extant (VCK)
Classification of variety : Other (Inbred parental line)
Previously proposed : Not applicable
Denomination :
Name of parental material : OK-122 and OK-127
Source of parental material : Own germplasm
Name of reference varieties : VRO3 and SB-8 (Kashi Kranti)






Variety description:

A. Grouping characteristics		Remarks (measured values)
Stem: Colour (Characteristic 1)		Green
Leaf blade: Depth of lobing (Characteristic 3)		Shallow
Stem: Number of nodes at first flowering (Characteristic 4)		Medium
Fruit: Colour (Characteristic 17)		Green
Fruit: Number of locules (Characteristic 24)		<6
Plant: Number of branches (Characteristic 25)		Medium
B. Distinct characteristics of candidate variety: SOK-586 has distinguishing characters as shallow leaf blade depth of lobing and medium fruit length at marketable stage (four days after anthesis).		
C. Distinct characteristics of reference varieties: VRO3 has distinguishing characters as medium leaf blade depth of lobing and long fruit length at marketable stage (four days after anthesis). SB-8 (Kashi Kranti) has distinguishing characters as deep leaf blade depth of lobing and long fruit length at marketable stage (four days after anthesis).		
D. Date of commercialization of the variety		08.01.2007 (Hybrid SLFH 7777)
E. Agronomic and commercial attributes		
S. No.	Agronomic and commercial attributes	Details
1.	Days to maturity: Early/Medium/Late	Medium
2.	Production condition: Suitability area in the country	The crop can be grown in a wide range of soils rich in organic matter. pH of 6.0-6.8 is ideally suited.
	: Time of Sowing	Northern India: February-March and June-July.

		Eastern India: January-February and May-June. Southern India: December-January and May-June. Western India: December-January and May-June. Hills: April and May.
	: Irrigated/Rainfed	Irrigated
	: Low fertility/High fertility of soil	The crop can be grown in a wide range of soils rich in organic matter. pH of 6.0-6.8 is ideally suited.
3.	Tolerance to adverse Temperature/Frost/ & Heat-Sensitive/Tolerance	It is sensitive to frost and extremely low temperature.
4.	Tolerance to Water Stagnation: Sensitive/Tolerant	Sensitive to water logging.
5.	Resistance/Tolerance to Pests	Tolerance to pests
6.	Staking & pruning practices	N/A
7.	Winter-Spring cropping seasons type	For normal growth and development, a temperature between 22-35 ⁰ C is preferred.
8.	Fruit yield q/ha	4 q/ac
9.	Fruit yield/plant (kg)(average)	3.8 q/ac
10.	Fruit quality and fruit firmness	Dark green, medium thick and tender.
11.	Fruit picking schedule	Alternate day for picking.
12.	Transport potential (days)	3/4 days after harvest.
13.	Unique Selling Propositions and Optimal shelf-Life (days)	USP: fruit and good fruit weight, 3/4 days after harvest.
14.	Any other relevant information specific to the variety/hybrid	Crop rotation followed for better yield.
Figure 13		*DUS Characteristics of SOK-586

**Photographs of candidate varieties notified in Plant Variety Journal of India,
Vol.-14, No.-11, November 01, 2020**

<p>Sorghum:MIJ-008 (REG/2007/56)</p>	<p>Tomato: TM 61455 (REG/2010/380)</p>
	
<p>Figure 1: Grain weight of 1000 grains (g) low</p>	<p>Figure 2: Fruit depression at peduncle end shallow, Leaflet serration absent (potato type)</p>
<p>Pearl millet: JKR 06128 (REG/2014/2419)</p>	<p>Brinjal: S-EP-011 (REG/2010/431)</p>
	
<p>Figure 3: Plant node pubescence absent</p>	<p>Figure 4: Fruit spininess of calyx weak</p>
<p>Brinjal: S-EP-041 (REG/2010/447)</p>	<p>Brinjal: S-EP-038 (REG/2010/450)</p>
	
<p>Figure 5: Fruit general shape club shaped</p>	<p>Figure 6: Plant growth habit spreading and stem anthocyanin colouration absent</p>
<p>Brinjal: S-EP-038 (REG/2010/450)</p>	<p>Potato: DOLLY (REG/2017/1898)</p>
	
<p>Figure 7: Light purple flower colour and ovoid fruit general shape</p>	<p>Figure 8: Poorly developed plant wing, medium leaflet glossiness of upper side and orange flower anther colour</p>

<p>Potato: SASSY</p>	<p>Potato: EDONY(REG/2017/1901)</p>
	
<p>Figure 9: Purple lightsprout, rough tuber Skin and flower Anthocyanin Colouration of bud present</p>	<p>Figure 10: Cream colour of tuber flesh, medium deep tuber depth of eye and red violet flower</p>
<p>Potato: EDONY(REG/2017/1901)</p>	<p>Pearl millet: NB-98 R (REG/2011/1354)</p>
	
<p>Figure 11: Conical Lightsprout shape and ovate leaflet (lateral) shape</p>	<p>Figure 12: Grey seed colour</p>
<p>Okra: SOK-586 (REG/2010/417)</p>	
	
<p>Figure 13: Leaf blade depth of lobbing shallow, Fruit length (cm) at marketable stage (four days after anthesis) medium</p>	