PLANT GERMPLASM REGISTRATION COMMITTEE
(Indian Council of Agricultural Research)
ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi

Proceedings of the
XXXXIXth Meeting of Plant Germplasm Registration Committee (PGRC)
Held at ICAR-NBPGR, New Delhi on December 08, 2022 in virtual mode

The **XXXXIXth** meeting of PGRC was held on **December 08, 2022** (10.30:00 hrs).
at ICAR- NBPGR, New Delhi and it was attended by the following members/invitees:

1.	Dr TR Sharma	DDG (Crop Science), Indian Council of Agricultural Research, Krishi Bhavan, New Delhi	Chairman
2.	Dr DK Yadava	ADG (Seed), ICAR, Krishi Bhavan, New Delhi	Member
3.	Dr RK Singh	ADG (Commercial Crops), ICAR, Krishi Bhavan, New Delhi	Member
4.	Dr Sanjeev Gupta	ADG (O&P) ICAR, Krishi Bhavan, New Delhi	Member
5.	Dr SK Pradhan	ADG (F&FC), ICAR, Krishi Bhavan, New Delhi	Member
6.	Dr GP Singh	Director, ICAR-National Bureau of Plant Genetic Resources, New Delhi	Member
7.	Dr RM Sundaram	Director, ICAR-Indian Institute of Rice Research, Hyderabad, Telangana	Member
8.	Dr Bansa Singh	Director, ICAR-Indian Institute of Pulses Research, Kanpur, Uttar Pradesh	Member
9.	Dr Gyanendra Singh	Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana	Member
10.	Dr KH Singh	Director, ICAR-Indian Institute of Soybean Research, Indore, Madhya Pradesh	Member
11.	Dr G Hemaprabha	Director, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu	Member
12.	Dr Satyanshu Kumar	Director (Acting), ICAR- Directorate of Medicinal and Aromatic Plants Research, Gujarat	Member
13.	Dr MS Saraswati	Representative of Director, ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu	Member
14.	Dr BC Patra	Representative of Director, ICAR-National Rice Research Institute, Cuttack, Odisha	Member
15.	Dr Elangovan M	Representative of Director, ICAR-Indian Institute of Millets Research, Rajendranagar, Hyderabad, Telangana	Member
16.	Dr VV Singh	Representative of Director, ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan	Member
17.	Dr Rajiv Kumar	Representative of Director, ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	Member
18.	Dr Vinita Gotmare	Representative of Director, ICAR-Central Institute for Cotton Research , Nagpur, Maharashtra	Member
19.	Dr Vinod Kumar	Representative of Director, ICAR-Central Potato Research Institute, Shimla, HImachal Pradesh	Member
20.	Dr IP Singh	Project Coordinator (AICRP on MULLaRP), ICAR-Indian	Member

		Institute of Pulses Research, Kanpur, Uttar Pradesh	
21.	Dr GP Dixit	Project Coordinator (AICRP on Chickpea), ICAR-Indian Institute of Pulses Research, Kanpur, Uttar Pradesh	Member
22.	Dr RK Gautam,	Head (Acting), Division of Germplasm Evaluation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member
23.	Dr Padmavathi Gore	Scientist, Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Special Invitee
24.	Dr Anjali Kak Koul	Head (Acting), Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member Secretary

The **XXXXIXth** meeting of Plant Germplasm Registration Committee was organized under the Chairmanship of Dr. TR Sharma, Deputy Director General (Crop Science), ICAR in virtual mode. Dr. GP Singh, Director, ICAR-NBPGR welcomed and thanked the Chairman for holdings the meetings at regular interval. The Director thanked all the experts and PC/PD for their inputs for reviewing the proposals and suggested that the next PGRC meeting may be held in physical mode. Dr. DK Yadava ADG (Seed) was of the opinion that the screening of the proposals by the experts should be more stringent.

The minutes of the XXXXVIIIth meeting of PGRC were adopted as such after the confirmation of the Chairman. Following recommendations emerged during the discussion in PGRC meeting:

- A meeting with Dr. DK Yadava ADG (Seed) should be held to revisit the data requirement and other criteria for the registration of trait-specific germplasm.

A total of 187 proposals were received for registration and out of that, 108 (proposals completed in all respect) were placed for consideration along with comments. These were sought from the PD/PC and experts to ascertain their unique feature(s) and potential values, which formed the basis for registration. Each proposal was discussed in detail and recommendations of the committee for each proposal have been summarized in the enclosed table. Finally, 90 proposals belonging to 35 crop species were approved for registration and 06 were deferred for want of additional data and additional comment from experts.

The meeting ended with vote of thanks by Dr. Anjali Kak Koul, Member-Secretary, PGRC, ICAR- NBPGR

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(TR Sharma)
DDG (CS) & Chairman, PGRC
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XXXXIXthGermplasm Registration Committee Meeting, December 8, 2022: Summary of New Proposals with Recommendations

S. No.	App. No./ National Id.	Crop/ Botanical Name	Other Identity	Pedigree	Potentially valuable features	Corresponding author	Recommendations of PGRC
Cereals							
1.	22102; IC0645766 **INGR22100**	Rice/ *Oryza sativa*	BPT 2848 (IET 28692)	RP Bio 226*1/IRGC48493	High protein content (10.5%) in polished rice.	Dr. B Krishna Veni, Agril. Research Station, Guntur, Andhra Pradesh	**Recommended**
2.	22117; IC0350549 **INGR22101**	Rice/ *Oryza sativa*	Moirang-Phou Khokngangbi	NA	Resistant to leaf blast (2-3 score). Stable resistance consequently for 4 years (2015, 2016, 2017 and 2018) for blast pathogen with score 2-3 Mid-early duration with long bold (LB) grain type along with early seedling vigour traits.	Dr. C. Gireesh, ICAR-IIRR Rajendranagar, Telangana	**Recommended**
3.	22114; IC0645772 **INGR22102**	Rice/ *Oryza sativa*	RP5593-83-12-3-1 (MTP-1)/ IET26168	MTU1010 × Nagina22	High nutrient (NPK) uptake and high grain yield than tolerant check and recurrent parent under native sodic soil conditions (without gypsum amendment) (pH 8.5 – 10.0) across field locations under AICRIP. testing Tolerance to acidic soils (pH 4.3 – 5.2) in terms of stable grain yield and toxicity score (3.67). Adaptability and high grain yield under direct seeded aerobic ecosystems over three years of AICRIP	Dr. P Senguttuvel ICAR-IIRR, Hyderabad, Telangana	**Recommended**

					testing.		
4.	22193; IC0646825 **INGR22103**	Rice/ *Oryza sativa*	CPE-109, TI-109, CPE-9, IET-29340	Selection of single EMS induced Samba Mahsuri mutant line in M2 and advanced to M8 through panicle to row method	Complete panicle emergemce in elite genetic background of Samba Mahsuri.	Dr. MS Madhav, ICAR-IIRR Hyderabad, Telangana	**Recommended**
5.	22236; IC0646826 **INGR22104**	Rice/ *Oryza sativa*	MSM-139/ IET-27994	Selection of single EMS induced Samba Mahsuri mutant line in M2 and advanced to M8 through panicle to row method.	Tolerance to leaf folder in elite genetic background of Samba Mahsuri.	Dr. MS Madhav, ICAR-IIRR Hyderabad, Telangana	**Recommended**
6.	22262; IC0646827 **INGR22105**	Rice/ *Oryza sativa*	IL-3, DRR-BL-295-2	PR114 / O. nivara (105410)//3*PR114	Excellent resistance for leaf and neck blast. Present in the elite genetic background of PR114. Tolerance for sheath blight.	Dr. MS Madhav, ICAR-IIRR Hyderabad, Telangana	**Recommended**
7.	22198; IC0646828	Rice/ *Oryza sativa*	SM-92, IIRR-BIO-SB-9, RP5977-BIO-SB-9	Selection of single EMS induced Samba Mahsuri mutant line in M2 and advanced to M8 through panicle to row method.	It has tolerance to yellow stem borer in elite genetic background of Samba Mahsuri.	Dr. MS Madhav, ICAR-IIRR Hyderabad, Telangana	**Deferred:** Comments from more experts sought.
8.	22135; IC0626285 **INGR22106**	Rice/ *Oryza sativa*	NH787 (RP Bio 5477-NH787)	Nagina 22	Tolerant to low soil Phosphorus. NH787 (EMS mutant of Nagina 22) exhibited higher root biomass, number of tillers and grain yield than Nagina 22 under low phosphorus soil conditions. NH787 shows higher	Dr. SK Mangrauthia, ICAR-IIRR, Hyderabad, Telangana	**Recommended**

					photosynthetic rate, pollen fertility, and the activitiesof antioxidant enzymes inlow phosphorus soil. Stablehigh yielding mutant with complete panicle filling with no unfilled spikelets/panicle in both normal and low P conditions. Seed hull is darker than N22.		
9.	22242; IC0646829 **INGR22107**	Rice/ *Oryza sativa*	NPM/SR43 / Dular	Collection from Hazaribag, Jharkhand	Highly tolerant to submergence. High anaerobic germination potential.	Dr. BC Patra, ICAR-NRRI Cuttack, Odisha	**Recommended**
10.	22243; IC0645856 **INGR22108**	Rice/ *Oryza sativa*	AC43012 (Chariesid)	Collection from Sarsara, Banei, Sundargargh, Odisha	Tolerant to vegetative stage drought stress. Possess low transpiration rate and high water use efficiency. Tolerant to mannitol induced osmotic stress at germination and early vegetative stage.	Dr. BC Patra, ICAR-NRRI Cuttack, Odisha	**Recommended**
11.	22244; IC0645857 **INGR22109**	Rice/ *Oryza sativa*	AC43025 (Dudha Charisda)	Collection from Lamasahi, Lahunipara, Sundargargh, Odisha	Tolerant to vegetative stage drought stress with low transpiration rate, highROS scavenging activityand high WUE. Tolerant to submergence and salinity stress at vegetative stage. Has moderate anaerobic germination potential.	Dr. BC Patra, ICAR-NRRI Cuttack, Odisha	**Recommended**
12.	22245; IC0645858 **INGR22110**	Rice/ *Oryza sativa*	AC43037 (Gurum)	Collection from Jhirpani, Gurundia, Sundargargh, Odisha	Tolerant to vegetative stage drought stress with low stomatal density and high	Dr. BC Patra, ICAR-NRRI Cuttack, Odisha	**Recommended**

				Odisha)	WUE. Tolerant to salinity and osmotic stress at vegetative stage. Moderately tolerant to submergence and anaerobic germination.		
13.	22141; IC0352909 **INGR22111**	Rice/ *Oryza sativa*	Akhanphou; RCMR-A17	Collection from Andro Imphal East, Manipur	Leaf and Neck and blast resistance.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Recommended**
14.	22152; IC0647170 **INGR22112**	Rice/ *Oryza sativa*	Haosil Mah; RCMR-153	Collection from Andro Imphal, Manipur	Highly resistance to leaf and neck blast.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Recommended**
15.	22153; IC0647171 **INGR22113**	Rice/ *Oryza sativa*	Phoutum Mah; RCMR-168	Collection from Sorbung Ukhrul, Manipur	Highly resistance to leaf and neck blast.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Recommended**
16.	22154; IC0647172 **INGR22114**	Rice/ *Oryza sativa*	Wainem; RCMR-178	Collection from Chakumei Senapati, Manipur	Leaf and Neck and blast resistance.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Recommended**
17.	22155; IC0647173	Rice/ *Oryza sativa*	Thekrulha; RCMR-179	Collection from Kiruphema Bawe Kohima, Nagaland	Leaf blast resistance. Neck blast resistance. Combined resistance to leaf blast & neck blast.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Not recommended:** Lack of novelty.
18.	22157; IC0647174 **INGR22115**	Rice/ *Oryza sativa*	Mesa Tsuk; RCMR-185	Collection from Sukomi Zunheboto, Nagaland	Leaf and Neck and blast resistance.	Dr SK Sharma, ICAR-NEH Imphal, Manipur	**Recommended**
19.	22132; IC128335 **INGR22116**	Wheat/ *Triticum aestivum*	IC128335	Germplasm collection from Rajasthan	Drought tolerance with higher antioxidant (1.8 fold) activity.	Dr Sundeep kumar ICAR-NBPGR, Pusa campus, New Delhi	**Recommended**

20.	22170; IC0646830 **INGR22117**	Wheat/ *Triticum aestivum*	DBW325	CHIBIA//PARULA II/CM65531/3/ SUPER KAUZ/ BAVIACORA M 92/4/MUNAL #1	Highly resistant to wheat blast. Resistant to leaf rust and Karnal bunt.	Dr. Vikas Gupta, ICAR-IIWBR Karnal, Haryana	**Recommended**
21.	22266; IC0640204 **INGR22118**	Wheat/ *Triticum aestivum*	IC0640204 (RLBW02)	Selection from FITIS	Resistant to stripe rust. Resistant to leaf rust. Tolerant to stem rust.	Dr. Vishnu Kumar, ICAR-IIWBR Karnal, Haryana	**Recommended**
22.	22268; IC0646831 **INGR22119**	Wheat/ *Triticum aestivum*	DBW342	SOKOLL/3/PASTOR//HXL7573/2*BAU/4/PANDION//FILIN/2*PASTOR/3/BERKUT	Resistant to wheat blast. Resistant to stem and leaf rust.	Dr. Vishnu Kumar, ICAR-IIWBR Karnal, Haryana	**Recommended**
23.	22270; IC0646832 **INGR22120**	Wheat/ *Triticum aestivum*	CPIIWBR-121	PASTOR//TRAP# 1/BOW/3/CHEN/AEGILOPS SQUARROSA (TAUS)// BCN (14th HRWYT-219)	Immune or complete field (adult plant) resistance against yellow rust disease at 9 different host spot locations.	Dr. PL Kashyap, ICAR-IIWBR Karnal, Haryana	**Recommended**
24.	22296; IC0416188 **INGR22121**	Wheat/ *Triticum aestivum*	IC416188	PAU-608/W 10094	Terminal heat tolerance.	Dr. Jyoti kumari, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended**
25.	22295; IC0533742 **INGR22122**	Wheat/ *Triticum aestivum*	IC533742	Germplasm collection	High level of salt tolerance.	Dr. Amit Kr Singh, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended**
26.	22298; EC178071 **INGR22123**	Wheat/ *Triticum aestivum*	EC178071-428	Germplasm [Source: CIMMYT]	High level of salt tolerance.	Dr. Amit Kr Singh, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended**

27.	22267; IC0632077 **INGR22124**	Barley/ *Hordeum vulgare*	DWRB189	Selection from BH292 (BCU2336)	High anti-oxidant activity with unique black colour grains.	Dr. Vishnu Kumar, ICAR-IIWBR Karnal, Haryana	**Recommended**
28.	22269; IC0646833 **INGR22125**	Barley/ *Hordeum vulgare*	DWRBG-11 (Tested as BK 306)	BK9811/DL472	Higher Wort Free Amino Nitrogen (FAN) Content with Higher Malt Diastatic Power (DP).	Dr. Dinesh Kumar, ICAR-IIWBR Karnal, Haryana	**Recommended**
29.	22272; IC0118689 **INGR22126**	Barley/ *Hordeum vulgare*	DWRBG9 (tested as HLR-20)	IC0118689	Hulled land race with resistance to Corn Leaf Aphid.	Dr. Chuni Lal, ICAR-IIWBR Karnal, Haryana	**Recommended**
30.	22273; IC0646835 **INGR22127**	Barley/ *Hordeum vulgare*	DWRBG 12 (Tested as BCU 6315)	INT-15, Sterile Floret	Six rowed barley with low grain protein content and high malt diastatic power.	Dr. Dinesh Kumar, ICAR-IIWBR Karnal, Haryana	**Recommended**
31.	22274; IC0356122 **INGR22128**	Barley/ *Hordeum vulgare*	DWRBG10 (tested as HLR-90)	IC0356122	Hulless six-row land race with High ß-glucan and starch	Dr. Chuni Lal, ICAR-IIWBR Karnal, Haryana	**Recommended**
32.	22278; IC0646836 **INGR22129**	Barley/ *Hordeum vulgare*	BHS 485 (BBM 839)	HBL276/BHS369	Naked (hulless) barley genotype. Resistant to yellow rust at the adult plant stage (ACI= 0.1 and highest score = TMR). The proposed genetic stock also possesses adult plant resistance to leaf rust (highest score= TMS).BHS 485 has also been reported as a promising source for malt withprotein content of 10.3% (dry weight) and starch content of 64.3 % (dry weight).	Dr. Madhu Patial, ICAR-IARI, Regional Station, Shimla, Himachal Pradesh	**Recommended**

33.	22279; IC0646837	Barley/ *Hordeum vulgare*	BHS 480 (BBM 803)	BLG132/BHS369	Resistant to all the pathotypes of leaf rust at the seedling stage. Resistant to all pathotypes of stem rust except for race 11 at the seedling stage. The proposed genetic stock also possesses adult plant resistance to stem rust with ACI less than 15 (5MS).	Dr. Madhu Patial, ICAR-IARI, Regional Station, Shimla, Himachal Pradesh	**Not Recommended:** BHS 480 (BBM 803) is showing susceptibility symptoms for yellow 19.4 40s and leaf rust 20s, and they are many other good genotypes showing resistance. Hence not recommended.
34.	22282; IC0646839 **INGR22130**	Barley/ *Hordeum vulgare*	BHS 486 (BBM 845)	HBL276/BHS365	Possesses adult plant resistance to yellow rust (ACI less than 15 i.e., 5.1) and leaf rust (highest score= 5MS). Resistant to all the pathotypes of brown rust at seedling stage except H4 race. Resistant to all pathotypes of yellow rust at seedling stage except for M and Q race whereby showing moderate susceptibility.	Dr. Madhu Patial, ICAR-IARI, Regional Station, Shimla, Himachal Pradesh	**Recommended**
35.	22283; IC0646840 **INGR22131**	Barley/ *Hordeum vulgare*	BHS 483 (BBM 833)	BHS 352/ BHS 366	Naked (hulless) barley genotypes. Resistant to yellow rust at the adult plant stage (ACI= 4.7 and highest score = 10S). The proposed genetic stock alsopossesses adult plant resistance to leaf rust (highest score= 0). BHS483 (BBM 833) also possess resistant to moderately resistant reaction to all pathotypes	Dr. Madhu Patial, ICAR-IARI, Regional Station, Shimla, Himachal Pradesh	**Recommended**

					of yellow rust at seedling stage (except for 24 and Q race showing MS reaction). Promising source of malt barley in relation to protein content (10 % dry weight).		
36.	22299; IC0138120 **INGR22132**	Barley/ *Hordeum vulgare*	IC0138120	Selection from IBON (1991-92)-138-IC0138120	High test weight coupled with early maturity in two-rowed barley.	Dr Vikender Kaur, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended**
37.	22303; IC0138110	Barley/ *Hordeum vulgare*	IC0138110	Selection from IBON (1991-92)-125- IC0138110	Early heading (53 days)and early maturity (113days) in six-rowed genetic background.	Dr Vikender Kaur ICAR-NBPGR, Pusa Campus, New Delhi	**Deferred:** Comments from more experts sought.
Millets							
38.	22194; IC0472387 **INGR22133**	Barnyard Millet/ *Echinochloa frumentacea*	GECH 716	The barnyard millet germplasm GECH 716 is an Indigenous collection collected from India, with national identity IC0472387.	Early Flowering (42 days). Early Maturity (85 days).	Dr. Amasiddha B, ICAR-IIMR Hyderabad, Telangana	**Recommended**
39.	21289; IC0645759	Finger Millet/ *Eleusine coracana*	VL333	IE 881/VL 298	Resistant to leaf blast. Resistant to Brown spot. Tall plant type.	Dr Dinesh Joshi, ICAR-VIHA Almora, Uttarakhand	**Not Recommended:** Screened during 2006-2008 which is old and more than 15 years completed. The data is not significant for the claimed traits. Many new varieties which are better the proposed genotype identified in the recent past for the clamed trait. Hence, not recommended.
40.	22023; IC0646842	Finger Millet/ *Eleusine*	GPU 28-2082	Gamma mutant derived from GPU	Neck Blast Disease Resistance. Finger Blast	Dr. Ganapathy KN, ICAR-IIMR	**Recommended**

	INGR22134	*coracana*		28 variety	Disease Resistance.	Hyderabad, Telangana	
41.	22184; IC0642429 **INGR22135**	Finger Millet/ *Eleusine coracana*	ER 41	The finger millet germplasm ER 41 collected from Narasingapuram Vaniyampadi Vellore Tamil Nadu	Early flowering (65 days). Early maturing (99 days).	Dr. M Elangovan, ICAR-IIMR Hyderabad, Telangana	**Recommended**
42.	22185; IC0308859 **INGR22136**	Finger Millet/ *Eleusine coracana*	IC0308859	The multi-whorled finger millet germplasm IC0308859 is collected from Velagavalasa, Vizianagaram, Andhra Pradesh	Early flowering (68 days). Early maturing (103 days).	Dr. M Elangovan, ICAR-IIMR Hyderabad, Telangana	**Recommended**
43.	22189; IC0331688 **INGR22137**	Finger Millet/ *Eleusine coracana*	IC0331688	The finger millet germplasm IC0331688 is collected from Kondakel, Murhu Khunti, Jharkhand	More number of productive tillers (4.7cm). Taller plant (119 cm).	Dr. M Elangovan, ICAR-IIMR Hyderabad, Telangana	**Recommended**
44.	22190; IC0413273 **INGR22138**	Foxtail Millet/ *Setaria italica*	IC0413273	The foxtail millet germplasm IC0413273 is collected from Edakulapally, Jarasangham, Medak, Telangana	Early flowering (45 days).	Dr. M Elangovan, ICAR-IIMR Hyderabad, Telangana	**Recommended**
45.	22191; IC0479598 **INGR22139**	Foxtail Millet/ *Setaria italica*	IC0479598	The foxtail millet germplasm IC0479598 is collected from India	High number of productive tillers (6.2).	Dr. M Elangovan, ICAR-IIMR Hyderabad, Telangana	**Recommended**
46.	22192;	Foxtail Millet/	IC0480408	The foxtail millet	Longer panicle (20.9 cm).	Dr. M Elangovan,	**Recommended**

	IC0480408 **INGR22140**	*Setaria italica*		germplasm IC0480408 is collected from India		ICAR-IIMR Hyderabad, Telangana	
47.	22195; IC0647175 **INGR22141**	Kodo Millet/ *Paspalum scrobiculatum*	Selection from IPS176 (KMV570)	kodomillet germplasm IPS176 is indigenous collection collected from Madhya pradesh	Early flowering (63 days). Early maturity (99 days).	Dr. Deepika Cheruku, ICAR-IIMR Hyderabad, Telangana	**Recommended**
48.	22196; IC0404607 **INGR22142**	Kodo Millet/ *Paspalum scrobiculatum*	Selection from IPS181 (IC0404607)	The kodo millet millet germplasm IPS181 is an Indigenous Collection (IC0404607) from Madhya Pradesh	Early flowering. Early maturity. Shootfly resistance.	Dr. Deepika Cheruku, ICAR-IIMR, Hyderabad, Teleangana	**Recommended**
49.	22227; IC0646841 **INGR22143**	Sorghum / *Sorghum bicolor*	SPV 2602	SPV 2602 = (SPV 1871 × SSV 74)-5-2-1-1-1 SPV 1871=(GJ 38 x SPV 1474)-7-1-4-1 SSV 74= Selection from IS 23558 (PAB74)-Zera–zera landrace, Ethiopia Pedigree Selection	High Total Fresh Biomass (59.6 t/ha). and High Juice Yield (19654 l/ha).	Dr. AV Umakanth, ICAR-IIMR, Hyderabad, Telangana	**Recommended**
50.	22228; IC0546931 **INGR22144**	Sorghum / *Sorghum bicolor*	SPV 2700	SPV 2700 = (RSCN 2103 × SSV 84)-2-1-2-1-1-1), RSCN 2103= Kharif sorghum genetic stock SSV 84= Selection from IS 23568	High Total Fresh Biomass (53.8 t/ha) and High Juice Yield 14318 l/ha).	Dr. AV Umakanth, ICAR-IIMR, Hyderabad, Telangana	**Recommended**
51.	22229;	Sorghum /	SPV 2788	SPV 2788 =	High Brix content (17.4	Dr. AV Umakanth,	**Recommended**

	IC0618406 **INGR22145**	*Sorghum bicolor*		(RSCN 2103 × SSV 74)-F7-2)-1-1-1-1-1-1-2) RSCN 2103= *Kharif* sorghum genetic stock SSV 74= Selection from IS 23558	%). High Fresh Stalk Yield (4203 t/ha) and High Juice content (14533 l/ha).	ICAR-IIMR, Hyderabad, Telangana	
Fibre							
52.	22137; IC0645777	Cotton / *Gossypium hirsutum*	LHDP Cotton-5	L 770 x L 2233	High Ginning Out Turn (GOT) percentage (36.4%). High Yield 2411 kg ha-1).	Dr M. Sudha Rani, RARS, Lam, Guntur Andhra Pradesh	**Not Recommended:** The genotype has only 36.4% mean GOT, whereas germplasm CNH 204710 (IC641997 / INGR 21213) having GOT (43.9%) has already been registered Hence, not recommended.
53.	21093; EC340358 **INGR22146**	Jute & Allied Fibres/ *Corchorus fascicularis*	WCIJ-150-1	Selection for WCIJ-150	Highly resistant to Stem rot caused by *Macrophomina phaseolina*.	Dr A Anil Kumar, ICAR-CRIJAF Barrackpore, West Bengal	**Recommended**
54.	22099; IC0646844 **INGR22147**	Jute & Allied Fibres/ *Corchorus aestuans*	WCIN-183A	Selection for WCIN-183	Highly resistant to Stem rot caused by *Macrophomina phaseolina*. Resistant to Root knot nematode. Highly resistant to Bihar hairy caterpillar.	Dr A Anil Kumar, ICAR-CRIJAF Barrackpore, West Bengal	**Recommended**
55.	22116; IC0646845	Jute & Allied Fibres/ *Corchorus capsularis*	CIN-581 (Nalte)	CIN-581 pure line	Highly susceptible to root knot nematode.	Dr A Anil Kumar, ICAR-CRIJAF Barrackpore, West Bengal	**Not Recommended**: Lack of novelty.
Grain Legumes							
56.	22127; IC0530491 **INGR22148**	Black gram/ *Vigna radiata*	IC530491	Collection from IIPR, Kanpur, Uttar Pradesh	Waterlogging tolerant.	Dr. Ruchi Bansal ICAR-IARI, Pusa campus, New Delhi	**Recommended**

57.	22128; IC0519933 **INGR22149**	Black gram/ *Vigna radiata*	IC519933	Collection from IIPR, Kanpur, Uttar Pradesh	Waterlogging tolerant.	Dr. Ruchi Bansal ICAR-IARI, Pusa campus, New Delhi	**Recommended**
58.	22066; IC0251385	Mung Bean/ *Vigna mungo* var. *mungo*	IC251385	Introduction	Highly resistant against *Callosobruchus chinensis.*	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	**Deferred:** Comments from one more expert sought.
59.	22109; IC0639816 **INGR22150**	Mungbean/ *Vigna radiata*	LGG 607	MGG 295 x COGG 912	Resistant to MYMV. Photo insensitive, early and synchronous maturity Top bearing pods and shining seed.	Dr. MV Ramana, RARS, Guntur, Andhra Pradesh	**Recommended**
60.	22258; IC0415144	Mung Bean/ *Vigna radiata*	IC415144	Introduction and Selection from Jhunjhunu, Rajasthan	Genotype IC-415144 exhibited promising physiological traits like higher absolute growth rate (AGR) and higher relative growth rate (RGR) under soil moisture stress conditions. It also exhibited a low excised leaf water loss and appeared to have a better control over stomatal mechanisms, which might be contributing to high water-use indices.	Dr. Jagadish Rane, ICAR-NIASM, Baramati, Pune Maharashtra	**Deferred:** Revised proposal may be submitted with testing years, location and yield data for registration.
61.	22061; IC0333090	Mung Bean/ *Vigna radiata*	IC333090	NA/ Talwara Barwani Madhya Pradesh	Tolerance to low phosphorus, drought stress and their combined stresses	Dr. Renu Pandey, ICAR-IARI, Pusa Campus, New Delhi	**Deferred:** Comments from one more expert sought.
62.	22063; IC0507340	Mung Bean/ *Vigna radiata*	IC507340	Not applicable/ Bihar	Tolerance to low phosphorus, drought stress and their combined stresses	Dr. Renu Pandey, ICAR-IARI, Pusa Campus, New Delhi	**Not Recommended:** The genotype is promising but as per the guidelines, data is not submitted for four environments/locations. Field

							validation is required for registration.
63.	22107; IC0639815 **INGR22151**	Black Gram/ *Vigna mungo*	LBG 884	LBG 709 x KU 96-3	Resistant to MYMV. Photo insensitive with medium maturity period. Hairy pod with shining seed.	Dr. MV Ramana RARS, Guntur, Andhra Pradesh	**Recommended**
64.	22110; IC0639817	Black Gram/ *Vigna mungo*	LGG 630	LGG 460 x P 109	Resistant to MYMV.Photo insensitive andsynchronous maturity. Intermediate pod bearing and shining seed.	Dr. MV Ramana, RARS, Guntur, Andhra Pradesh	**Not Recommended:** Lack of novelty.
65.	22111; IC0646848	Black Gram/ *Vigna mungo*	LBG 888	LBG 623 x KU 96-3	Resistant to MYMV.Photo insensitive with medium maturity period.Hairy pod with shining seed.	Dr. MV Ramana RARS, Guntur, Andhra Pradesh	**Not Recommended:** Lack of novelty.
66.	22181; IC0251387 **INGR22152**	Mung Bean *Vigna mungo* var. *mungo*	IC251387	Local collection	Resistant against bruchid species *Callosobruchus chinensis* L.	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	**Recommended**
67.	22187; IC0647176 **INGR22153**	Chickpea/ *Cicer arietinum*	NIL VC 35/5-4	Pusa 256 X Vijay	Highly resistant NIL against Fusarium wilt caused by *Fusarium oxysporum* f.sp. ciceri, race 2 (Foc 2), developed through MABC approach. High yield and wider adaptability.	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	**Recommended**
68.	22180; IC0646846	Chickpea/ *Cicer arietinum*	NBeG 786	(JG-11 X ICC 4958) X JG-11	Wilt resistant drought tolerant inbred line.	Dr. V Jayalakshmi, RARS, Nandyal, Andhra Pradesh	**Not Recommended:** Not recommended as the proposed genetic stock has shown susceptibility to wilt when tested over several wilt sick plots in different years.

69.	22162; IC0646847	Chickpea/ *Cicer arietinum*	NBeG 789	JAKI 9218 X PG 96003	Wilt resistant. Semi erect plant type. Good seed yield under variable environments.	Dr. V Jayalakshmi, RARS, Nandyal, Andhra Pradesh	**Not Recommended:** The chickpea line NBeG 798 do not exhibit stable resistance against wilt in fusarium wilt sick pots at different locations and overyears.
70.	21086; IC0633093	Chickpea/ *Cicer arietinum*	RKG 12-172	RSG 888 X RSG 807	High yield. Resistant reaction against fusarium wilt. Medium bold seedsize.	Dr. Preeti Verma, ARS, KAU, Kota, Rajasthan	**Not Recommended:** The **c**hickpea line RKG 12-172 has shown inconsistent reaction against fusarium wilt at different sick plots and over years. A resistant donor should have a high level of resistance at all locations.
71.	22287; IC0117744 **INGR22154**	Chickpea/ *Cicer arietinum*	IC117744	Local collection from Maharashtra	Ascochyta blight resistance.	Dr. Gayacharan ICAR-NBPGR Pusa Campus, New Delhi	**Recommended**
72.	22174; IC0646849 **INGR22155**	Pigeonpea/ *Cajanus cajan*	IPACliesto 10	IPA 203 / ICPL 87154	Closed flower structure until complete fertilization. Independent anther filaments (Absence of diadelphous condition). Indeterminate high yielding genetic background.	Dr. Satheesh NSJ, ICAR-IIPR, Kanpur, Uttar Pradesh	**Recommended**
73.	22007; IC0296745	Lathyrus/ *Lathyrus sativus*	IC296745	Germplasm line	Extra large seeds (15.0-16.8 gm). Attractive white seed.	Dr. Archana Singh, ICAR-IIPR Regional Station, Bhopal, Madhya Pradesh	**Not Recommended:** Lack of Novelty.
74.	22188; IC0251439 **INGR22156**	Rice Bean/ *Vigna umbellata*	IC251439	Local Collection from North East Region of India	Resistant against bruchid species *Callosobrochus maculatus* (F.)	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	**Recommended**
75.	22179; IC0248326 **INGR22157**	Wild Bean/ *Vigna vexillata*	IC248326	IC248326	Resistant against bruchid species *Callosobruchus chinensis* L.	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	**Recommended**
Vegetables							

76.	22124; IC0646850 **INGR22158**	Chilli/ *Capsicum annuum*	DLS-161-1	Heat tolerant selection from a natural population (raised from red chilli fruits procured from local market of Ghaziabad, New Delhi) identified in 2014 followed by fixation of the genotype through selfing.	Heat Tolerance in chilli. The genotype can set fruits at maximum temperatures above 40^0C and night temperatures above 25^0C.	Dr. Arpita Srivastava ICAR-IARI, Pusa Campus, New Delhi	**Recommended**
77.	22164; IC0646851 **INGR22159**	Chilli/ *Capsicum annuum*	DLS-152-1	Heat tolerant selection from a natural population (raised from red chilli fruits procured from local market of Ghaziabad, New Delhi) identified in 2014 followed by fixation of the genotype through selfing.	Heat tolerance. The genotype can set fruits at maximum temperatures above 40^0C and night temperatures above 25^0C.	Dr Arpita Srivastava, ICAR-IARI, Pusa Campus, New Delhi	**Recommended**
78.	22247; IC0642958 IC0623137 **INGR22160**	Carrot/ *Daucus carota*	VRCAR-214 (A-line) & Kashi Arun (B-line)	A CMS plant in an open-pollinated population with orangish-red coloured root as donor parent, and red carrot variety Kashi Arun as recurrent parent.	VRCAR-214 is a petaloid-CMS line of red carrot with better heterotic potential for root yield, uniformity & lycopene content; valuable for development of potential F1 hybrids; and cost-effective multiplication of hybrid seeds. The CMS line	Dr. BK Singh, ICAR-IIVR, Varanasi, Uttar Pradesh	**Recommended**

					(VRCAR-214) and its maintainer (Kashi Arun) are ideally synchronous in flowering/pollination activities which facilitate proper pollination and maximum seed set in CMS line. The roots of VRCAR-214 are good source of lycopene (7.3-7.5 mg/100 g FW) and beta-carotene (3.25-3.50 mg/100 g FW).		
79.	21312; IC0642345 **INGR22161**	Bittergourd/ *Momordica charantia* var. muricata	IIHR 144-1	Selection from germplasm, IIHR-144	Resistant to powdery mildew (*Podosphaera xanthii* U. Braun & Shishkoff) Dark green, deeply lobed leaves. Fruit is small, dark green, discontinuous ridges	Dr. B Varalakshmi, ICAR-IIHR, Bengaluru, Karnataka	**Recommended**
Oilseeds							
80.	22211; IC0646857 **INGR22162**	Indian Mustard / *Brassica juncea*	DRMRCI-125	NRCDR-02×Donskaja	Resistant to white rust disease caused by *Albugo candida.*	Dr. VV Singh, ICAR-DRMR, Bharatpur, Rajasthan	**Recommended**
81.	22212; IC0646856 **INGR22163**	Indian Mustard / *Brassica juncea*	DRMR 1191-2	EC 564647 x (NUDHYJ 3 x PCR 7)	High temperature tolerance (Seedling stage).	Dr. VV Singh, ICAR-DRMR, Bharatpur, Rajasthan	**Recommended**
82.	22161; IC0640189 **INGR22164**	Indian Mustard/ *Brassica juncea*	RIL87	CS 614-1-1-100-13 x CS 56	High tolerance to soil Sodicity stress (up to pH2 9.4).	Dr Jogendra Singh, ICAR-CSSRI, Karnal, Haryana	**Recommended**
83.	22169; IC0422166 **INGR22165**	Indian mustard/ *Brassica rapa*	IC422166	Others (Collection from Danga Sirohi	Resistance against White rust disease of mustard	Dr Kartar Singh , ICAR-NBPGR Regional Station	**Recommended**

		var. yellow sarson		Rajasthan)		Jodhpur, Rajasthan	
84.	22126; IC0645775 **INGR22166**	Indian Mustard/ *Brassica juncea*	RH 1222-28	RH 0406 X RH 0401-B	Highly tolerant to Sclerotinia stem rot disease	Dr Pankaj Sharma ICAR-DRMR, Bharatpur, Rajasthan	**Recommended**
85.	22173; IC0646858 **INGR22167**	Rapeseed/ *Brassica napus*	NIPB-Bnap114	Pure line	Sclerotinia stem rot disease resistance	Dr. Navin C Gupta ICAR-NIPB, Pusa Campus, New Delhi	**Recommended**
86.	21032; IC0646859 **INGR22168**	African Mustard/ *Brassica carinata*	NIPB-Bcar 115	Pure line	Sclerotinia stem rot disease resistance. Dark purple stem.	Dr. Navin C Gupta, ICAR-NIPB, Pusa Campus, New Delhi	**Recommended**
87.	22084; EC457254	Soybean/ *Glycine max*	EC457254	Introduced from USA	Anthracnose resistance Early Maturing molecular characterization has been carried out for the traits early maturity and photoperiod response using SSR markers and gene specific markers showed presence of rare alleles	Dr V Nataraj ICAR-IISR Indore, Madhya Pradesh	**Deferred: Was Recommended**, subject to providing the details of pedigree. However, the developer could not provide the details. So the decision regarding the registration was kept pending. Other identity as per the NBPGR Database is **PI-587633A.**
88.	22221; IC0646860 **INGR22169**	Soybean/ *Glycine max*	JS 20-38	JS 96-63 × PK 768	Waterlogging Tolerance.	Dr. Sanjay Gupta, ICAR-IISR Indore, Madhya Pradesh	**Recommended**
Fruits and Nuts							
89.	22240; IC0628011 **INGR22170**	Banana / *Musa spp.*	IC No. 0628011	Karpuravalli x Pisang Lilin	Resistant to root lesion nematode.	Dr. Backiyarnai S, ICAR-NRCB, Trichy, Tamil Nadu	**Recommended**
90.	22241;	Banana /	IC No.	Nendran x Pisang	Resistant to root lesion	Dr. Backiyarnai S,	**Recommended**

	IC0628037 **INGR22171**	*Musa spp.*	0628037	Lilin F1	nematode.	ICAR-NRCB, Trichy, Tamil Nadu	
91.	22300; IC0438858 **INGR22172**	Jackfruit/ *Artocarpus heterophyllus*	IC438858	Collection from Sursang/Kamdara Gumla Jharkhand,	Highest number of fruits (107 fruits/tree) bearing per plant.	Dr. SB Choudhary, ICAR-NBPGR Regional Station, Jharkhand, Ranchi	**Recommended**
92.	22301; IC024351 **INGR22173**	Jackfruit/ *Artocarpus heterophyllus*	VKG 03/029 (IC24351)	Collection from Farmer's field (Teliya East ,Singhbhum,Jharkhand)	Dwarf Canopy.	Dr. SB Choudhary, ICAR-NBPGR Regional Station, Jharkhand, Ranchi	**Recommended**
93.	22314; IC024369 **INGR22174**	Jackfruit/ *Artocarpus heterophyllus*	VKG 03/047 (IC24369)	Collection from Guali/Keojhar/ Odisha	Extra Early Fruit Bearing: December (60 days before).	Dr. SB Choudhary, ICAR-NBPGR Regional Station, Jharkhand, Ranchi	**Recommended**
Medicinal and Aromatic Plants							
94.	22140; IC0641340 **INGR22175**	Noni/ *Morinda citrifolia*	Cluster bearing noni	Local Germplasm (Collection from Garacharma farm)	Cluster bearing habit of 4 to 5 obovate elongate fruitsare borne at each of the alternate nodes. Large sized fruits weighing 307 g each attain average maximum length of 11.70 cm and width 5.9 cm.	Dr. I Jaisankar, ICAR-CIARI Garacharama, Andaman and Nicobar Islands	**Recommended**
95.	22275; IC0646862 **INGR22176**	Lemon Basil/ *Ocimum* x *citriodorum*	DLB-7	The accession 'DLB-7' is diverse for morphological parameters and chemical content. It was collected from Mangalnath Temple near Heeradungri, Jhalawar, Rajasthan	Broadly ovate leaf shape. Rich in citral A and B content.	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	**Recommended**

				(24° 56' N 76° 13' E) and maintainedat the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.			
96.	22277; IC0646864 **INGR22177**	Shrubby Basil/ *Ocimum gratissimum*	DOGr-2	The accession 'DOGr-2' is diverse for morphological parameters and chemical content. It was collected from Bali (25° 21' N 74° 27' E), Falna, Rajasthan and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	Leaf shape is narrow ovate. Rich in ß-Copaene(20.48%) and a-Bergamotene (15.23%).	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	**Recommended**
Ornamental							
97.	22133; IC0646867 **INGR22178**	Lisianthus / *Eustoma grandiflorum* (Raf.) Shinn.	Ktlis-1	Germplasm collection from Himachal Pradesh	Violet rose shaped double flower. Produce more than 24 flowers per plant. Long sturdy stem of >82 cm, suitable for cut flower production.	Dr. MR Dhiman, ICAR-IARI, Regional Station, Katrain, Himachal Pradesh	**Recommended**
98.	22134; IC0646868 **INGR22179**	Lisianthus / *Eustoma grandiflorum* (Raf.) Shinn.	Ktlis-17	Germplasm collection from Himachal Pradesh	Pure white rose shaped double flower. Produce more than 18.0 flowers per plant. Long sturdy stem, suitable for cut flower production	Dr. MR Dhiman, ICAR-IARI, Regional Station, Katrain, Himachal Pradesh	**Recommended**

99.	22255 IC0636418 **INGR22180**	Chrysanthemum/ *Chrysanthemum morifolium*	IIHR2-16	Half-sib selection from cv. White Prolific	Flower Colour (RHS colour: 3D, Yellow Group, Fan 1). Early Flowering (69.17 days). Dwarf (20.27 cm) and Spreading Plant Growth	Dr. Rajiv Kumar, ICAR-IIHR, Bengaluru, Karnataka	**Recommended**
100.	22256 IC0645570 **INGR22181**	Chrysanthemum/ *Chrysanthemum morifolium*	IIHR2-13	Half-sib selection from cv. Sunil	Flower Colour (RHS colour: 71B, Red-Purple Group, Fan 2). Early Flowering (66.52 days). Dwarf (30.17 cm).	Dr. Rajiv Kumar, ICAR-IIHR, Bengaluru, Karnataka	**Recommended**
101.	22317; IC0636415 **INGR22182**	Chrysanthemum/ *Chrysanthemum morifolium*	IIHR4-8	Half-sib selection from cv. Lal pari	Flower colour (RHS colour: 17A, Yellow Orange Group, Fan 1). Early Flowering (62.77 days) and Dwarf (25.51cm). Resistant to White Rust (*Puccinia horiana*)	Dr. Rajiv Kumar, ICAR-IIHR, Bengaluru, Karnataka	**Recommended**
Commercial crop							
102.	22204; IC0646869 **INGR22183**	Sugarcane / *Saccharum sp.*	Co 85019	Co 7201 x Co 775	High cane and sugar yield (14.50 t/ha) under tillering phase drought stress	Dr. G Hemaprabha, ICAR-SBI Coimbatore, Tamil Nadu	**Recommended**
103.	22205; IC0646870 **INGR22184**	Sugarcane / *Saccharum sp.*	Co 98017	Co 8316 x Co 8213	High millable canes 74.68 (000/ha) and cane yield under tillering phase drought.	Dr. G Hemaprabha, ICAR-SBI Coimbatore, Tamil Nadu	**Recommended**
104.	22206; IC0646871 **INGR22185**	Sugarcane / *Saccharum sp.*	Co 17008	Co 0240 X Co 0214	High cane thickness (3.00 cm).	Dr. G Hemaprabha, ICAR-SBI Coimbatore, Tamil Nadu	**Recommended**
105.	22223; IC0646872 **INGR22186**	Sugarcane / *Saccharum sp.*	Co 15002	1148-S4-242-4 x Co 94008, Co 99006, Co 8371 and Co 06027	Potential source for red rot resistance combined with smut resistance and yellow leaf disease resistance. A high yielding genotypes	Dr. A. Anna Durai, ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended**

					can be used in thesugarcane improvement without any further back crossing. Developed from a rare fifth generation inbred.		
106.	22130; IC0646873 **INGR22187**	Sugarcane/ *Saccharum officinarum*	CoA 16321 (2010A 229)	81V48 (CoV 89101) GC	Red rot resistance.	Dr. D. Adilakshmi, Anakapalle, Hyaderabad, Andhra Pradesh	**Recommended**
Tuber							
107.	22103; IC0645767 **INGR22188**	Potato/ *Solanum tuberosum*	NUE/15-23	Kufri Jyoti × Kufri Gaurav	High nitrogen use efficiency traits such as NUE, Agronomic NUE (AgNUE), Nitrogen Uptake Efficiency (NUpE), and Nitrogen Utilization Efficiency (NUtE). High tuber yield under low nitrogen fertilizer input under field conditions	Dr JK Tiwari, ICAR-CPRI, Shimla, Himachal Pradesh	**Recommended**
Fruits & Nuts							
108.	22209; IC0646861 **INGR22189**	Mango/ *Mangifera indica*	Mango Queen (Sima)	Collection from Sarkar Para, P.o-Sriram para, sadar Block , Jalpaiguri, West Bengal	High Vitamin A content (11338IU) in comparison to most commercial varieties. Maximum 14 fruits per Bunch and average fruit weight is 232 grams. 2000 number of fruits/per plant in a year and it is disease free.	Mr. Sumanta Misra Pandapara, Kalibari, Jalpaiguri, West Bengal	**Recommended**

1425877/2022/ADG(seeds)

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