PROCEEDINGS OF THE

55th PLANT GERMPLASM REGISTRATION COMMITTEE MEETING

(Indian Council of Agricultural Research)

55th meeting of the Plant Germplasm Registration Committee (PGRC) was held in hybrid mode on December 26, 2025 (09:30 AM) at ICAR-NBPGR, New Delhi and was attended by the following members/invitees:

1.	Dr DK Yadava	DDG (Crop Science), Indian Council of Agricultural Research, Krishi Bhavan, New Delhi	Chairman
2.	Dr Sanjeev Gupta	ADG (Seeds) & (Oilseed & Pulses), ICAR, Krishi Bhavan, New Delhi	Co-Chairman
3.	Dr GP Singh	Director, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member and host
4.	Dr Anju Mahendru Singh	Head, Division of Germplasm Conservation, (DGC), ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member Secretary
5.	Dr SK Bera	Director, ICAR-Indian Institute of Groundnut Research, Junagarh, Gujarat	Member
6.	Dr GP Dixit	Director, ICAR-Indian Institute of Pulses Research, Kanpur, Uttar Pradesh	Member
7.	Dr P Gobindraj	Director, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu	Member
8.	Dr. Mahendra S Verma	Director, ICAR-Central Institute of Temperate Horticulture, Srinagar, Jammu Kashmir	Member
9.	Dr VV Singh	Director, ICAR-Indian Institute of Rapeseed-Mustard Research, Bharatpur, Rajasthan	Member
10.	Dr KH Singh	Director, ICAR-National Soybean Research Institute, Indore, Madhya Pradesh	Member
11.	Dr C Tara Satyavathi	Director, ICAR-Indian Institute of Millets Research, Hyderabad, Telangana	Member
12.	Dr Ratan Tiwari	Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana	Member
13.	Dr. SV Sai Prasad & Dr. Jyothi Badri	Nominee of Director, ICAR-Indian Institute of Rice Research, Hyderabad, Telangana	Member
14.	Dr RK Dubey	Nominee of Director, ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh	Member

15.	Dr VK Gupta	Nominee of Director, ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh	Member
16.	Dr CM Senthil Kumar	Nominee of Director, ICAR-Indian Institute Spices Research, Kozhikode, Kerala	Member
17.	Dr N Sunil	Nominee of Director, ICAR-Indian Institute of Maize Research, Ludhiana, Punjab	Member
18.	Dr Siddanna Savadi	Nominee of Director, ICAR-Directorate of Cashew Research, Puttur, Karnataka	Member
19.	Dr Aditya Pratap	Project Coordinator, AICRP on *Kharif* Pulses, ICAR-IIPR, Kanpur, Uttar Pradesh	Member
20.	Dr AK Parihar	Nominee of Project Coordinator, AICRP on *Rabi* Pulses, ICAR-IIPR, Kanpur, Uttar Pradesh	Member
21.	Dr RK Gautam	Head, Division of Germplasm Evaluation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member
22.	Dr Anjali Kak Koul	Principal Scientist, Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member of the PGRC Team

The meeting was organized in hybrid mode under the Chairmanship of Dr. DK Yadava, Deputy Director General (Crop Science), ICAR. Dr Anju Mahendru Singh, Head, DGC and member-secretary, PGRC welcomed the Chairman, PGRC. She also welcomed ADGs, Directors, PC/PDs and nominees of the Directors and requested the Chairman for his opening remarks. The Chairman emphasized that germplasm with only unique and superior traits should be recommended by the Institutes, Directorates and Universities.

After the Chairman's remarks, member-secretary presented the minutes of the 54th meeting (March 24, 2025) which were adopted after the confirmation by the Chairman. She presented the status of the proposals received in the online Germplasm Registration Information System. Out of the 231 proposals that had been received, about 50% were reverted back for making corrections/improvements/attaching relevant documentary proof etc. 186 proposals received back were sent to the experts for their comments/inputs. While 98 proposals are in the process of review, comments on 88 proposals were received from two or more experts. These 88 proposals along with five proposals deferred in the 54th meeting were presented by member-secretary in the 55th meeting. Based on detailed discussions on the merits of the proposals, 73 germplasm belonging to 40 crops and 41 species were approved for registration and providing unique INGR number to them while six proposals were deferred for further action by the respective developers/member-secretary. 14 proposals were rejected. These recommendations of the committee for each proposal have been summarized in the table below.

The chairman, Dr DK Yadava in his closing remarks, expressed satisfaction on the progress of the meeting. Chairman also thanked Director, NBPGR for hosting the meeting and appreciated the efforts of member-secretary and her team for streamlining the screening of registration proposals. The meeting ended with a vote of thanks to the chairman and members of the committee and the appreciation of the dedicated efforts of Sh Arup Das, YP in providing full support to member-secretary in PGRC related work.

Anju Mahendru -Singh
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55th Germplasm Registration Committee Meeting, December 26, 2025: Summary of New Proposals with Recommendations

S. No	App. No./ National Id.	Crop/ Botanical Name	Other Identity	Pedigree	Potentially valuable Features	Applied by (First developer)	Recommendations of the PGRC
Cereals and Pseudocereals							
1.	24220; IC658167 **INGR25042**	Rice/ *Oryza sativa*	TKM 85/ Pokkali-BJJ/10-2	Collection from Ayyampily Ernakulam, Kerala	Saline submergence tolerant at germination stage: Germination % (5 DAS) =90.749%, Survival % (10 DAS) =91.58% (EC= (5 dSm-1; 42.92 mM NaCl and 10 dSm-1; 85.83 mM NaCl)	Dr Tapan K Mondal ICAR-NIPB Pusa Campus, New Delhi	**Recommended**
2.	24229; IC	Rice/ *Oryza sativa*	CR4423-8	Savitri x Pokkali	Moderate tolerance to salinity with visual salt injury score of 5 and Na/K ratio of 1.33 Moderate tolerance to submergence with survival rate of 45.7%	Dr Sanghamitra, S ICAR-NRRI, Cuttack, Odisha	**Not recommended**
3.	24230; IC	Rice/ *Oryza sativa*	CR4423-20	Savitri x Pokkali	Moderate submergence tolerance with survival rate of 42.1%	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha	**Not recommended**
4.	24236; IC	Rice/ *Oryza sativa*	CRAC4423 -45	Savitri X Pokkali	Moderate submergence tolerance with mean survival rate of 53.0% and elongation ability of 32.1%	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha	**Not recommended**

5.	24231; IC	Rice/ *Oryza sativa*	CR4423-101	Savitri x Pokkali	Moderate tolerance to salinity with visual salt injury score of 5 and Na/K ratio of 1.33	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha	**Not recommended**
6.	24232; IC	Rice/ *Oryza sativa*	CR4423-111	Savitri X Pokkali	Moderate tolerance to salinity with visual salt injury score of 5 and shoot Na/K ratio of 1.49	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha	**Not recommended**
7.	24233; IC256568 **INGR25043**	Rice/ *Oryza sativa*	AC-34975/ Chadheinakhi; PB-56	Collected from Pravasuni Tileibani Deogarh, Odisha	Least reduction in root dry weight (0.02gm) and Enhancement in shoot dry weight (0.06gm) under drought stress 12.8 % mean leaf chlorophyll content enhancement under salinity stress Least reduction in shoot dry weight (0.03gm) under salinity stress	Dr Prashantkumar S Hanjagi ICAR-NRRI, Cuttack, Odisha	**Recommended**
8.	24235; IC658168 **INGR25044**	Rice/ *Oryza sativa*	CRAC4423-14	Savitri X Pokkali	Osmotic/dehydration tolerance at seedling stage with higher shoot dry weight (0.052g) under severe osmotic stress (2% mannitol) compared to tolerant genotypes Vandana and FL 478(0.02g)	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha	**Recommended**

9.	24210 EC1076003 **INGR25045**	Rice/ *Oryza sativa*	Binnaful EC1076003	Cultivar	Tolerant to osmotic stress (-4.0 bar Mannitol induced) – High shoot weight (0.055 g) and high chlorophyll content (2.2 mg/100g) Highly tolerant to anaerobic germination (germination rate = 65.5%, high epicotyl length 35 cm) Tolerant to salinity (NaCl induced 12 dSm-1) lowest decline in root biomass (10.49%), High chlorophyll content (1.0 mg g-1 FW), high shoot growth. Salt injury score 5.0 (moderate)	Dr. Koushik Chakraborty ICAR-NRRI Cuttack, Odisha	**Recommended**
10.	24162; IC658169 **INGR25046**	Rice/ *Oryza sativa*	IR 73784-5-28-B-HWR-1	IR31917-45-3-2 x O. latifolia Acc 100914//IR31917-45-3-2 in BC1F11 generation	Resistance to Brown planthopper (BPH) *Nilaparvata lugens* with a damage score of 4.1 Resistance to brown planthopper at vegetative and reproductive stages	Dr RM Sundaram, ICAR-IIRR Hyderabad, Telangana	**Recommended**
11.	25016; IC658170 **INGR25047**	Rice/ *Oryza sativa*	(GP SS RIL- 86)	RP 5177-86 (GP SS RIL-86)	Resistance (Damage score: 3.1) against Brown planthopper in seedling stage It possesses three known genes namely bph2, Bph 21 and Bph 32 governing BPH resistance.	Dr G. Padmavathi ICAR-IIRR, Hyderabad, Telangana	**Recommended**

12.	25107; IC658171 **INGR25048**	Rice/ *Oryza sativa*	BPT 3194	BPT 5204 and MTU 1075	Resistance to BPH damge score= 3.1), WBPH (DS= 4.1), mixed planthopper populations (43.5 no./10hills) in Vegetative and Reproductive Stages	Dr B Krishna Veni ARS, Bapatla Andhra Pradesh	**Recommended**
13.	24108; IC658172 **INGR25049**	Rice/ *Oryza sativa* var. *indica*	RP 6619	RP 5933-1-19-2 R/ Tetep // RP 5933-1-19-2 R/ *O. minuta* (IR 71033-121-15 derived from *O. minuta*)	Broad-spectrum blast resistance genes Pi9 and Pi54 in this male fertility restorer	Dr. Revathi Ponnuswamy ICAR-IIRR Hyderabad, Telangana	**Recommended**
14.	24267 IC658173 **INGR25050**	Rice / *Oryza sativa* var. *indica*	NLRBL-1 (UB1066)	(MTU1010 x 5809-7-1-1-1) (where 5809-7-1-1-1 is a derivative of NLR 34417 x NLR 34449)	Resistance to leaf and neck blast (with mean leaf blast score of 3.1 over ten locations and mean neck blast score of 2.3 over six locations across India)	Dr Ch. Sreelakshmi ARS, ANGRAU, Nellore, Andhra Pradesh	**Recommended**
15.	24140; IC	Rice/ *Oryza sativa*	PAU_164_ DD-BC-447	IRGC128442 /3*PR126	DSR adapted backcross breeding line possessing QTL SD7.1 for longer mesocotyl length under 10 cm deep-sown DSR cultivation conditions Early seedling vigor, longer root length, semi-dwarf plant height, medium-	Dr. Nitika Sandhu PAU, Ludhiana, Punjab	**Deferred:** Field data of four environments should be provided.

					slender grain type, and yield advantage over cultivated check variety under 10 cm deep-sown DSR cultivation conditions.		
16.	24256; IC658174 **INGR25051**	Rice/ *Oryza sativa*	IET31956 (RP6615-MK/RIL-FBMI-45-1-5-1)	MTU1010 × Karuppunel	Possesses micronutrient (Zn) content (25.87ppm) in polished rice grain Posseses Protein content of 7.69% in polished rice grain	Dr CN Neeraja ICAR-IIRR, Hyderabad, Telangana	**Recommended**
17.	25054; IC658175 **INGR25052**	Rice/ *Oryza sativa*	IET 31933; [RP6615-MK (RIL-FBMI-2-1)]	MTU1010 × Karuppunel	Possesses micronutrient (Zn) content (25.25ppm) in polished rice grain Possesses Protein content of 8% in polished rice grain	Dr CN Neeraja ICAR-IIRR, Hyderabad, Telangana	**Recommended**
18.	25013 IC658176 **INGR25053**	Wheat/ *Triticum aestivum*	Local 17	Other (Local Collection) Locally collected from Mawai Banda region of Uttar Pradesh	Tolerance to combined heat and drought stress [Stress Tolerance Index (1.265)] HSI =0.66 DSI =0.70	Dr Hitesh Kumar BUAT, Banda Uttar Pradesh	**Recommended**
19.	24280; IC532979	Barley/ *Hordeum vulgare*	DWRBG29 (tested as IC532979); NP-13/ CIHO-7771	Selection made in IC532979	Two-row naked barley line with high Zinc content (39.5 ppm) in grains	Dr Chuni Lal ICAR-IIWBR Karnal, Haryana	**Not recommended**
20.	24242; IC	Barley/ *Hordeum vulgare*	BHS 492 (BBM 889)	HBL 704 / RD 2751	Two row hulled line: seedling resistance to all the pathotypes of leaf rust	Dr Madhu Patial ICAR-IARI RS Shimla,	**Deferred:** Comparative data on AUDPC should be provided for the rusts

					Adult Plant resistance to leaf rust (highest susceptibility score=5S) Adult plant resistance to yellow rust with ACI less than 10 (6.2)	Himachal Pradesh	
21.	25114; IC658177 **INGR25054**	Maize/ *Zea mays* var. saccharata	USC DBT15 ß+	DBT15-1-15-3-12-11	High beta carotene content (9.06 µg/g) with sweetness of 16.2%	Dr. N. Senthil TNAU, Coimbatore, Tamil Nadu	**Recommended**
22.	24226; IC658178 **INGR25055**	Maize/ *Zea mays*	I-07-66-2-2	IGI-F*101-2-1-F*-2-2-B-B	Resistance against turcicum leaf blight (Average disease rating score of 2.0) White coloured kernels	Dr. HS Varma MMRS, AAU, Godhra, Gujarat	**Recommended:**
23.	25092 IC658179 **INGR25056**	Maize/ *Zea mays*	QIL-4-2311	HQPM-7-4-1-1-1-1-1	High Methionine content 2.42 % of protein Tryptophan content 0.70 % of protein Lysine content 2.89 % of protein	Dr Ramesh Kumar ICAR-IIMR, Ludhiana, Punjab	**Recommended**
Millets							
24.	23081; IC644006 **INGR22022**	Finger millet/ *Eleusine coracana*	VR1141	VR 708 × GPU 48	High number of fingers (10 numbers) per earhead	Dr. N Anuradha, ARS, Vizianagaram, Andhra Pradesh	**Recommended**
25.	24080; IC658180 **INGR25057**	Sorghum/ *Sorghum bicolor*	HAS 5	IS5624-3-2-1-2-B	High amylopectin content (99.1%) (26-27% higher than checks)	Dr P. Sanjana Reddy ICAR-IIMR, Hyderabad, Telangana	**Recommended**

					White/cream pericarp		
26.	25100; IC658181 **INGR25058**	Sorghum/ *Sorghum bicolor*	SPV 2918	[{(M35-1 × CSV 29R) × (Parbhani Moti × CRS 20)} × {(DSV 5 × Selection 3) × (CSV 216R × CRS 4)}]	Shoot fly resistance (18.5% DH at 28 DAE) Stem borer resistance (7.8% DH at 45 DAE) High 100 seed weight (3.34g)	Dr Parashuram Patroti, CRS ICAR-IIMR RS, Solapur-Maharashtra	**Recommended**
Grain Legumes							
27.	23222; EC932189	French Bean/ *Phaseolus vulgaris*	G20854	Germplasm selection	Early maturing (with in <100 days in plains and 88 days in the hills) Upward pod bearing.	Dr. Basavaraja T ICAR-IIPR, Kanpur, Uttar Pradesh	**Not recommended**
28.	24260 EC934417 **INGR25059**	Rice Bean/ *Vigna umbellate*	EC934417	NA	Early maturity (average maturity duration of 77 days) (50% flowering= 50 days)	Dr. Amit K Singh ICAR-NBPGR Pusa Campus, New Delhi	**Recommended**
29.	24262 IC116118	Rice Bean/ *Vigna umbellate*	IC116118	Local collection from Bho wali Nainital Uttarakhand	Early maturity (days to maturity = 98 days)	Dr. Amit K Singh ICAR-NBPGR Pusa Campus, New Delhi	**Not recommended**
30.	25151; IC263015 **INGR25060**	Cowpea/ *Vigna unguiculata*	IC263015	Germplasm collection from Paraspani	Photo-thermo insensitivity Early flowering (44.23 days)	Dr T Lakshmi Pathy UAS, GKVK, Bengaluru,	**Recommended**

				Sonbhadra, Uttar Pradesh		Karnataka	
31.	25152; EC	Cowpea/ *Vigna unguiculat*a subsp. unguiculata	EC738260	Germplasm collection	Photo-thermo insensitivity Early flowering (46.71 days)	Dr T Lakshmi Pathy UAS, GKVK, Bengaluru, Karnataka	**Not recommended**
32.	25063; IC	Mung Bean/ *Vigna radiata*	GGISC 49	Greengram (VBN(Gg) 2 x Vigna radiata var. sublobata/2	Inter sub -specific derivative of *Vigna radiata* x *Vigna radiata* var sublobata/2 Resistance (<20 % damage) to storage pest - bruchid (*Callasobruchus chinensis*)	Dr P. Jayamani, TNAU, Coimbatore Tamil Nadu	**Not recommended**
33.	24100; IC648050	Mungbean/ *Vigna radiata*	DGGV-79 / IC648050	Mutant derived from DGGV-2 x Pant Moong-1	Shattering tolerance (<1% Pre harvest shattering) Higher lignin content (6.10 mg/g) Higher epicuticular wax (13.90 ug/cm2)	Dr. Suma Mogali UAS Dharwad, Karnataka	**Not recommended**
34.	24101; IC648051	Mungbean/ *Vigna radiata*	DGGV 125/ IC648051	Obtained from mutant of F1 derived from cross DGGV2XS ML1815	Shattering tolerance (<1% pre harvest shattering) Higher Lignin content (6.42 mg/g) Higher Pod epicuticular wax (13.03 ug/cm2)	Dr. Suma Mogali UAS Dharwad, Karnataka	**Not recommended**
35.	24102;	Mungbean/	DGGV	Obtained	Shattering tolerance (<1%	Dr. Suma Mogali	**Recommended:**

	IC648052 **INGR25061**	*Vigna radiata*	195/ IC648052	from a Mutant of VGG rul 4-2	preharvest shattering) Higher lignin content (5.90 mg/g) Pod epicuticular wax (12.33 µg/cm2)	UAS Dharwad, Karnataka	
36.	25068; IC251372	Vigna/ *Vigna glabrescens*	TCR-20 (IC251372)	Germplasm Collection from Kanpur, Uttar Pradesh	Waterlogging tolerant (adventitious root induction in hypocotyl region)	Dr CM Singh, BUAT, Banda, Uttar Pradesh	**Deferred:** Comments from one more expert should be taken
37.	25007; IC201509 **INGR25062**	Chickpea/ *Cicer arietinum*	IPC2019-05	ICC4958 x ICC96030	Earliness (days to first flowering): Kanpur (34 days), Bhopal (36.5) and Dharwad (35.5 days)	Dr UC Jha, ICAR-IIPR, Kanpur Uttar Pradesh	**Recommended**
38.	24271 IC658182 **INGR25063**	Cluster bean/ *Cyamopsis tetragonoloba*	CAZG-110/ Mutant of CAZG-15-3	Mutant (Gamma rays) of CAZG-15-3	Ground Clearance more than 10 cm Slender single stem	Dr Hans Raj Mahla ICAR-CAZRI, Jodhpur, Rajasthan	**Recommended**
Oilseeds							
39.	25024; IC658183 **INGR25064**	Indian Mustard/ *Brassica juncea*	PDZ 21	LES 1-27 × PDZ-2	High oleic acid (52.80%) Single Zero (Erucic acid is 0.75%) High Oil Stability Index (1.94)	Dr Navinder Saini ICAR-IARI, Pusa campus, New Delhi	**Recommended**
40.	25109; IC658184 **INGR25065**	Indian Mustard/ *Brassica*	RH-1700	RH-305×EC 766234	Resistant germplasm against White Rust Disease of Mustard	Dr. Ram Avtar, CCS HAU, Hisar, Haryana	**Recommended**

		juncea			Showed immune response (0% Disease severity) according to 0-9 scale (AICRP-RP)		
41.	25110; IC658185 **INGR25066**	Indian Mustard/ *Brassica juncea*	RH-1700-4	RH-942 × EC 597326	Resistant germplasm against White Rust Disease of Mustard Showed immune response (0% Disease severity) according to 0-9 scale (AICRP-RP)	Dr. Ram Avtar CCS HAU, Hisar, Haryana	**Recommended**
42.	25102; IC658186 **INGR25067**	Indian Mustard/ *Brassica juncea*	DRMRIJ 12-44	NRCHB 101 X ZEM 2	Resistant to White rust disease caused by *Albugo candida* (WR severity = 0.9%)	Dr KH Singh ICAR-IIRMR, Bharatpur, Rajasthan	**Recommended**
43.	25104; IC658187 **INGR25068**	Indian Mustard/ *Brassica juncea*	DRMRIJW R 20-14	EC 597313 X MJR 9	Resistant to White rust disease caused by *Albugo candida* (WR severity = 0.3%)	Dr KH Singh ICAR-IIRMR, Bharatpur, Rajasthan	**Recommended**
44.	25103; IC658188 **INGR25069**	Indian Mustard/ *Brassica juncea*	DRMRCI 163	Laxmi X DRMR IJ-31	Drought tolerant (less reduction in SPAD value=10.4% Low Drought Susceptibility Index (DSI) =0.59)]	Dr VV Singh ICAR-IIRMR, Bharatpur, Rajasthan	**Recommended**
45.	24285; IC658189 **INGR25070**	Soybean/ *Glycine max*	JS 21-05	SL 738 × JS 95-60	Resistance to charcoal rot (% Disease Incidence=0.45) Rhizoctonia aerial blight	Dr. PK Amrate JNKVV, Jabalpur Madhya Pradesh	**Recommended**

					(% Disease Index =1.00). Resistance to yellow mosaic disease (CoI = 0.96) Early maturing (days to = 95 days)		
46.	24286; IC658190 **INGR25071**	Soybean/ *Glycine max*	JS 20-20	JS 98-61 × EC 333922	High resistance to charcoal rot disease (Percent Disease Incidence = 0.21) Moderate resistance to Rhizoctonia aerial blight (Percent Disease Index =10.00) Resistance to Yellow mosaic disease (Coefficient of Infection = 4.35) Early maturing (93 days)	Dr. PK Amrate JNKVV, Jabalpur Madhya Pradesh	**Recommended**
47.	24216 IC658191 **INGR25072**	Linseed/ *Linum usitatissimum*	IC498706-Sel	Selection from IC498706	High number of capsules/plant (345.36). High alpha-linolenic acid content (63.66%)	Dr Vikender Kaur, ICAR-NBPGR Pusa Campus, New Delhi	**Recommended**
48.	24217 IC658192 **INGR25073**	Linseed/ *Linum usitatissimum*	IC499042-Se	Selection from IC499042	Extra early flowering (mean days to flowering initiation = 42.86 and 50% flowering = 51.14 days)	Dr Vikender Kaur, ICAR-NBPGR Pusa Campus, New Delhi	**Recommended**
49.	24219 IC	Linseed/ *Linum usitatissimum*	IC499135-Sel	Selection from IC499135	Tall plant height (122.88 cm) with erect growth habit for flax purpose	Dr Vikender Kaur, ICAR-NBPGR Pusa Campus, New Delhi	**Deferred:** Data on fibre content in tall plant vs dwarf check should be generated

50.	24295 IC658193 **INGR25074**	Linseed/ *Linum usitatissimum*	IC526032-sel	Selection from IC526032	Resistance to Alternaria blight of linseed (Raipur isolate) (7.13% mean leaf blight, 0% bud blight score) Moderate resistant reaction (15% leaf blight and 11.96% bud blight) to three isolates (Rpr + Knpr + Dli) isolates	Dr. Ashulata Kaushal, CSAUA&T, Kanpur, Uttar Pradesh	**Recommended**
51.	24299; IC658194 **INGR25075**	Linseed/ *Linum usitatissimum*	IC498549-sel	Selection from IC498549	Resistance to Alternaria blight (6.83% mean leaf blight, 5.35% mean bud blight score) to Kanpur (Knpr) isolate Moderate resistant reaction (15% leaf blight and 14.29% bud blight) to mixed inoculum of Rpr + Knpr + Dli isolates	Dr Nalini Tewari CSAUA&T, Kanpur, Uttar Pradesh	**Recommended**
52.	21272 IC658195 **INGR25076**	Groundnut/ *Arachis hypogaea* subsp. *hypogeae*	PBS 22040	JL 24 × PPDRC1F	Tolerance to iron deficiency chlorosis [Visual Chlorotic Rating (VCR) score on 1-5 scale = 1.25)] Dark green colour leave	Dr Narendra Kumar ICAR-DGR RRS Bikaner, Rajasthan	**Recommended**
53.	21274 IC658196 **INGR25077**	Groundnut/ *Arachis hypogaea* subsp. *hypogeae*	NRCGCS 176	(M 13 × PBDR 25) × *A. cardenensis*	Resistance to *Alternaria* leaf blight (Score 3 on 1-9 scale)	Dr Narendra Kumar ICAR-DGR RRS Bikaner, Rajasthan	**Recommended**
54.	24239; IC658197 **INGR25078**	Groundnut/ *Arachis hypogaea*	NRCGCS 298	J 11 × A. duranensis	Resistance to *Alternaria* leaf blight (Score 3 on 1-9 scale)	Dr Narendra Kumar ICAR-DGR RRS	**Recommended**

		subsp. *hypogeae*				Bikaner, Rajasthan	
55.	24078; IC658199 **INGR25079**	Safflower/ *Carthamus tinctorius*	ISAF-39	Bhima x Montola-2000 (EC-736515)	High oil content (36%) High oleic acid content (76%)	Dr Kadirvel P ICAR-IIOR, Hyderabad, Telangana	**Recommended**
Vegetables							
56.	24053; IC632336 **INGR25080**	Ivy gourd/ *Coccinia indica*	IC632336; CIAH/CHES/LPY/CHESIG-9/	Collecteion from Baina, Kalol, Dahod Gujarat	Spindle shape fruit, less seeded, pointed styler end, deep shoulder, and natural green colour fruit, (R.H.S. Colour chart: brilliant green colour (130A)	Dr LP Yadav ICAR-CIAH CHES, Godhra, Gujarat	**Recommended**
57.	24054; IC632337	Ivy gourd/ *Coccinia indica*	IC632337; CHESIG-10	Collecteion from Baina, Kalol, Dahod Gujarat	Cordate (heart shape) leaf, small size pear shape fruit with small white stripe fine dots, Medium-dark green leaf colour (R.H.S. Colour chart: Yellow-green group 147A)	Dr LP Yadav ICAR-CIAH CHES, Godhra, Gujarat	**Deferred:** Comments from one more expert should be taken
58.	25009; IC635988 **INGR25081**	Brinjal/ *Solanum melongena*	CIAH-22 (IC635988)	Single plant selection from local germplasm AHB-03 having thorniness in plants and fruits.	Tolerance to high temperature under hot arid climate (Pollen viability = 83.17 % at 45^{o}C) Thorns on stem, leaf and fruit calyx with attractive bluish-purple coloured fruits	Dr AK Verma, ICAR-CIAH Bikaner, Rajasthan	**Recommended**

59.	22338; IC623132 & IC642962 **INGR25082**	Carrot/ *Daucus carota*	VRCAR-272 (A-line); BKS/BS-20/ & VRCAR-153 (B-line); BKS/PMS-18/	CMS plant in an open-pollinated population with orangish-red coloured root as donor parent, and a genotype of yellow carrot VRCAR-153 as recurrent parent.	First petaloid-CMS line of yellow tropical carrot The CMS line (VRCAR-272) and its maintainer (VRCAR-153) is ideally synchronous in flowering/ pollination Yellow coloured roots of VRCAR-272 are good source of lutein (0.45-0.50 mg/100 g FW).	Dr BK Singh, ICAR-IIVR Varanasi, Uttar Pradesh	**Recommended**
Spices							
60.	25037 IC349362 **INGR25083**	Lesser Cardamom/ *Elettaria cardamomum*	IC349362	Collection Mudigere Chickamagalur, Karnataka	Resistance to thrips (<15% capsule damage)	Dr. CM Senthil Kumar, ICAR-IISR, Kozhikode, Kerala	**Recommended**
61.	25071; IC633362 **INGR25084**	Fenugreek/ *Trigonella foenum-graecum*	IC633362 (Green Seeded Fenugreek-1)	Single plant selection	Dark green seed colour containing high chlorophyll (0.678 mg/g) in seed.	Dr Ravindra Singh ICAR-NRCSS Ajmer, Rajasthan	**Recommended**
62.	25053; IC652404 **INGR25085**	Curry Leaf/ *Murraya koenigii*	LSR/18/6 (IC652404)	Landrace: Madana Hipparag Aland Gulbarga Karnataka,	Higher essential oil content in the leaf (0.62%). Oil composition gamma-terpinene (35.03%), trans-caryophyllene (24.69%) and spathulenol (6.32%).	Dr BR Raghu ICAR-IIHR, Bengaluru, Karnataka	**Recommended**
63.	25064; IC652405 **INGR25086**	Curry Leaf/ *Murraya koenigii*	LSR/18/7 (IC652405)	Landrace	Higher essential oil content in the leaf (0.56%) as compared to the	Dr BR Raghu ICAR-IIHR, Bengaluru,	**Recommended**

					commercial variety Suvasini (0.23%). Oil composition gamma-terpinene (35.03%), spathulenol (6.32%) and cryptone (3.74%) as compared to Suvasini of 0.02%, 1.92 and 0.00%, respectively. Very high leaf fragrance with spicy notes.	Karnataka	
Fruits and Nuts							
64.	25014; IC644455 **INGR25087**	Avocado/ *Persea americana*	PA-026	Open Pollinated seedling selection	Yellow Peel Colour Yellow pulp colour High carotenoids content (> 7 mg/100g pulp)	Dr Muralidhara BM ICAR-IIHR-CHES, Chettalli, Karnataka	**Recommended**
65.	25034; IC658200 **INGR25088**	Tamarind/ *Tamarindus indica*	IC651239; IIHR-B-21	Open pollinated progeny	Low acidity (< 5.3%) in pulp High sugar content (55.45%) in pulp Sweet type	Dr Kanupriya ICAR-IIHR, Karnataka, Bangalore	**Recommended**
66.	25089; IC626508 **INGR25089**	Lubi; Mountain Sweet Thorn / *Flacourtia montana* J. Grah	IC626508; GAN/PCT/ 0910/ 0201/	Seedling selection	Thornlessness (No. of thorns-0) High fruit count/tree-(4008.5) Balanced sugar-acid ratio (15°Brix:0.25%)	Dr Anuradha Sane ICAR-IIHR, Bangalore, Karnataka	**Recommended**

67.	22290; IC638857 **INGR25090**	Apple/ *Malus domestica*	CITH-Priame	CITH-Ambri-1 x Prima	Resistance to Scab (Resistant- Chevalier scale 0,1)	Dr Javid Iqbal Mir ICAR-CITH, Srinagar, J&K	**Recommended**
68.	22291 IC638859 **INGR25091**	Apple/ *Malus x domestica*	CITH-Pritor	PRIMA X TOP RED	Resistance to Scab (Chevalier scale: 0) Higher Total Soluble Solids (15.5 ºB)	Dr Javid Iqbal Mir ICAR-CITH, Srinagar, J&K	**Recommended**
69.	25112 IC250161 **INGR25092**	Cashew/ *Anacardium occidentale*	NRC-383; CP 09-11.2 (P-9)	Seedling derived (Puttur Dakshina Kannada Karnataka)	Large size nut size (14.59 g) and kernel size (4.2 g)	Dr Siddanna Savadi ICAR-DCR, Puttur Karnataka	**Recommended**
70.	25120 IC250059 **INGR25093**	Cashew/ *Anacardium occidentale*	NRC-281; Kedimbady	Unknown-Other (Seedling selection)	Very thin and uniform shell thickness (1.87±0.07 mm) CNSL free type (0% of cashew nut shell liquid content)	Dr Siddanna Savadi ICAR-DCR, Puttur Karnataka	**Recommended**
Medicinal & Aromatic Plants							
71.	24105; IC658201 **INGR25094**	Pushkarmool; Inula/ *Inula racemose*	CSIR-IHBT-IR-09	Half sib progeny of selection CSIR-IHBT-IR-09 followed by sib-mating	High root biomass (553.39 g/plant)	Dr Sanatsujat Singh CSIR-IHBT, Palampur Himachal Pradesh	**Recommended**
72.	24270 IC658204 **INGR25095**	Gymnema/ *Gymnema sylvestre*	DGS-28	Whole plant collection from Khanpura Tola in Raisen district of	High tolerance to mealy bug infestation (score 0.46, scale 0 to 4). High gymnemagenin content (4.956 mg/g dry weight) in the leaves	Dr. Akula Chinapolaiah ICAR-DMAPR, Ananad, Gujarat	**Recommended**

				Madhya Pradesh			
73.	25087; IC658205 **INGR25096**	Gymnema/ *Gymnema sylvestre*	DGS-26	Whole plant collection from Banki Sisarvula in Udaipur district of Rajasthan	High tolerance to mealybug infestation (score 0.41, scale 0 to 4)	Dr Akula Chinapolaiah ICAR-DMAPR, Anand, Gujarat	**Recommended**
74.	24283 IC658202 **INGR25097**	Rose geranium/ *Pelargonium graveolens*	CSIR-IHBT-PG-05	Mutant No. PG-05 of Bourbon	High biomass (1195.08 g/plant) (Aromatic leaves are used in cooking)	Dr Sanatsujat Singh CSIR-IHBT, Palampur Himachal Pradesh	**Recommended**
75.	22334; IC658203 **INGR25098**	Clary sage/ *Salvia sclarea*	CSIR-IHBT-SS-07	Half-sib progeny of SS-07 followed by repeated selfing	High fresh inflorescence weight (418.73 g/plant)	Dr Sanatsujat Singh CSIR-IHBT, Palampur Himachal Pradesh	**Recommended**
76.	25033; IC635345 **INGR25099**	Gotu kola; Indian birthwort/ *Centella asiatica*	IIHR-CA-28	Germplasm selection from Kattappana Idukki, Kerala	Broad leaves (4.80 cm length and 7.50 cm breadth) with long petiole (31.25 cm) Erect growth habit High asiaticoside yield (91.09 kg/ha)	Dr. Rohini MR ICAR-IIHR, Bengaluru, Karnataka	**Recommended**

77.	25079; IC	Velvet Bean/ *Mucuna pruriens* var. utilis	IIHR PS 6 / Arka Charaka	IIHR MP 10-1 X IIHR MP 4	Medium duration (150-160 days), Flowering in 50-55 DAS, Non-itchy pods and black shiny colour seeds.	Dr K. Hima Bindu ICAR-IIHR Bengaluru, Karnataka	**Not recommended**
78.	25081; IC658206 **INGR25100**	Velvet Bean/ *Mucuna pruriens* var. utilis	IIHR PS 2 / Arka Shubra	IHR MP 10-1 X IIHR MP 11-5	Long duration (180-190 days) Flowering in 70-75 DAS Non-itchy pods, white color seeds High L-Dopa content (5.43%)	Dr K. Hima Bindu ICAR-IIHR Bengaluru, Karnataka	**Recommended**
79.	24205; IC	Lemon grass/ *Cymbopogan flexuosus*	Others	AT/KSR/AE/ 2019/CG.CF -4	High oil content (2%), Inflorescence type: dense type. Leaf blade colour: moderate olive green, Leaf sheath colour: cream green Citral content: 73.38%	Dr. Alice Tirkey IGKV, Raipur Chhattisgarh	**Deferred:** Quality data of one more environment should be provided.
80.	25171; IC658207 **INGR25101**	Mexican coriander/ Spirit weed/ *Eryngium foetidum*	Jor Lab LC-1	Collection from Kharsang Changlang, Arunachal Pradesh	High essential oil yield (0.24% v/w basis) Essential oil has trans-2-dodecenal (>60 %) as major compound which has high market demand	Dr Mohan Lal CSIR-NEIST Jorhat, Assam	**Recommended**

Ornamental							
81.	25122 IC658208 **INGR25102**	Orchids/ *Dendrobium nobile*	NRCOP-23H	NA	Novel anthocyanins with antioxidant, anti-inflammatory, anti-diabetic and anti-cancer properties Cyanidin 3,5-O-diglucoside (25.64 mg/kg) Delphinidin 3 sophroside (38.64 mg/kg) Delphinidin 3 gentiobioside (45.65 mg/kg)	Dr Suman Natta ICAR-NRCO Pakyong, Sikkim	**Recommended**
82.	25124; IC658209 **INGR25103**	Gladiolus/ *Gladiolus hybridus*	DFR GH-3	Selection form cross between Limoncello x Verona	Spikes: robust, compact and longer (96.08 cm) with more number of florets per spike (15-17) Florets: creamish yellow (Yellow Group 2 D as per R.H.S colour chart) coloured Early to mid-maturing variety- Spike initiation starts between 65-75 days	Dr Ganesh B Kadam ICAR- DFR, Pune, Maharashtra	**Recommended**
Commercial Crop							
83.	25091; IC658210 **INGR25104**	Sugarcane/ *Saccharum sp*.	G1 14-161	(Co 7201 x Pathri (*S. barberi*) x Co 0209	Tillering phase drought tolerance under tropical and sub-tropical conditions (Drought tolerance coefficient = 0.46) Resistance to both tropical	Dr Alarmelu Srinivasan ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended**

					and sub-tropical pathotypes of red rot pathogen *Colletotrichum falcatum* (CF06 and CF08)		
84.	25099; IC658211 **INGR25105**	Wild Sugarcane/ *Saccharum spontaneum*	IND 99-847	Germplasm Collection from Kerala	Tolerance to Drought stress (drought tolerance coefficient =0.58 High Geometric Mean Productivity =9.75	Dr Vinu V, ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended**
85.	25098; IC658212 **INGR25106**	Wild Sugarcane/ *Saccharum spontaneum*	IND 04-1372	Germplasm Collection from Mizoram	Tolerance to Drought stress (drought tolerance coefficient =0.64)	Dr Vinu V ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended**
Tuber							
86.	24190; IC658213 **INGR25107**	Potato/ *Solanum tuberosum*	MP/15-651	MP/9-90 × MP/ 9-11	Desirable chip color Low total potato defects (TPoD) Adapted to Southern and Eastern ecologies of India (Karnataka, Telangana, West Bengal and Tamil Nadu)	Dr. VK Gupta ICAR-CPRI RS Modipuram, Uttar Pradesh	**Recommended**
87.	24191; IC658214 **INGR25108**	Potato/ *Solanum tuberosum*	MP/15-698	MP/9-90 × MP/9-11	Desirable chip color Low total potato defects (TPoD) Adapted to Southern and Eastern Indian Conditions (Karnataka and West Bengal)	Dr. VK Gupta ICAR-CPRI RS Modipuram, Uttar Pradesh	**Recommended**

88.	23079; IC658215 **INGR25109**	Potato/ *Solanum tuberosum*	JG-1	Local potato collection from East Khasi hills, Meghalaya	Resistance to late blight (AUDPC 251) high resistance to both species of Potato cyst nematode (0 females/root ball)	Dr Dalamu ICAR-CPRI Shimla, Himachal Pradesh	**Recommended**

Summary of Deferred Proposals of 54th PGRC Meeting with Recommendations

S. No.	App. No./ National Id.	Crop/ Botanical Name	Proposer Identity	Pedigree	Potentially valuable features	Applied by (First developer)	Recommendations of the PGRC
1.	23075; EC932021 **INGR25110**	French Bean /*Phaseolus vulgaris*	EC932021 G18148	Selection	Early maturing (< 90 days in plains & <80 days in hills).	Dr Basavaraja T, ICAR-IIPR, Kanpur	**Recommended**
2.	21265; IC658198 **INGR25111**	Groundnut/ *Arachis hypogaea* subsp. Hypogeae	PBS 22131	ICGV 00350 X J 11	Resistance to Alternaria leaf blight (Score 3 on 1-9 scale)	Dr Narendra Kumar ICAR-DGR RRS Bikaner, Rajasthan	**Recommended**
3.	24188; IC654565 **INGR25112**	Potato/ *Solanum tuberosum*	MP/14-171	Kufri Chipsona-3 × MP/9-68	Desirable chip processing clone for tropical conditions Low total potato defects (TPoD)	Dr. VK Gupta ICAR-CPRI RS Modipuram, Uttar Pradesh	**Recommended**
4.	24195; IC658216 **INGR25113**	Tomato/ *Solanum lycopersicum*	PTS-25	Selection from the segregating population of	Earliness (flowering in 33 days, harvesting in 65 days after	Dr Swati Saha ICAR-IARI RS, Pune, Maharashtra	**Recommended** for low seed content (0.32mg/100g)

				Pusa Gaurav	transplanting) Low seed content in fresh fruit Resistance to ToLCV		
5.	24197; IC	Tomato/ *Solanum lycopersicum*	PTS-29	Selection from the segregating population of EC-538421	Semi determinate Resistance to ToLCV Presence of Ty-2 genes	Dr Swati Saha ICAR-IARI RS, Pune, Maharashtra	**Not recommended**

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