PROCEEDINGS OF THE
52nd PLANT GERMPLASM REGISTRATION COMMITTEE MEETING
(Indian Council of Agricultural Research)
ICAR-National Bureau of Plant Genetic Resources, New Delhi

52nd Meeting of Plant Germplasm Registration Committee (PGRC) was held in virtual mode on May 22, 2024 (02:30 PM) at ICAR-NBPGR, New Delhi and 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 (Seeds), ICAR, Krishi Bhavan, New Delhi	Co-Chairman
3.	Dr GP Singh	Director, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member
4.	Dr Prasanta Dash	ADG (CC), ICAR, Krishi Bhavan, New Delhi New Delhi	Member
5.	Dr. Sudhakar Pandey	ADG (Horticultural Science-I) ICAR, KAB-II, Pusa Campus, New Delhi	Member
6.	Dr VB Patel	ADG (Horticultural Science-II) ICAR, KAB-II, Pusa campus, New Delhi	Member
7.	Dr RM Sundaram	Director, ICAR-Indian Institute of Rice Research, Hyderabad, Telangana	Member
8.	Dr. TK Behera	Director, ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh	Member
9.	Dr Gyanendra Singh	Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana	Member
10.	Dr C Tara Satyavathi	Director, ICAR-Indian Institute of Millets Research, Hyderabad, Telangana	Member
11.	Dr. G Hemaprabha	Director, ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu	Member
12.	DR. Dr. K. Suresh	Director, ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh	Member
13.	Dr KV Prasad	Director, ICAR-Directorate of Floricultural Research, Pune, Maharashtra	Member
14.	Dr PK Rai	Director, ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan	Member
15.	Dr. J. Dinakara Adiga	Director, ICAR-Directorate of Cashew Research, Puttur, Karnataka	Member
16.	Dr. SK Bera	Director, Directorate of Groundnut Research, Junagadh, Gujarat	Member
17.	Dr KH Singh	Director, ICAR-Indian Institute of Soybean Research, Indore, Madhya Pradesh	Member
18.	Dr. Jagadish Rane	Director, ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan	Member
19.	Dr. Vinay Bhardwaj	Director, National Research Centre on Seed Spices, Ajmer, Rajasthan	Member
20.	Dr. Shailesh Tripathi	Project Coordinator, AICRP on *Rabi* Pulses, ICAR-IIPR, Uttar Pradesh	Member

21.	Dr. Aditya Pratap	Project Coordinator (AICRP on *Kharif* Pulses), ICAR-IIPR, Uttar Pradesh	Member
22.	Dr Anju Mahendru Singh	Head, Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member Secretary
23.	Dr RK Gautam	Head, Division of Germplasm Evaluation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member
24.	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 virtual mode under the Chairmanship of Dr. TR Sharma, Deputy Director General (Crop Science), ICAR. Dr. Gyanendra Pratap Singh, Director, ICAR-NBPGR welcomed the Chairman, Co- Chairman, ADGs and all the PC/PD/Invitees from different institutes.

Dr Anju Mahendru Singh, Head, DGC, ICAR-NBPGR and member-secretary, PGRC also welcomed the distinguished members and requested the Chairman for his opening remarks. The Chairman spoke about the importance of the PGRC and its efforts to register promising germplasm with unique and valuable Plant Genetic Resources and appreciated the efforts of NBPGR in registering the potentially valuable trait specific germplasm.

After the Chairman's remarks, the member-secretary presented the minutes of the 51st meeting which were adopted after the confirmation by the Chairman. Member-secretary apprised the committee members about the status of the applications processed/pending for want of expert comments. Thereafter, each of the 66 proposals were presented and discussed in detail. Recommendations of the committee for each proposal have been summarized in the enclosed table. Accordingly, 53 proposals belonging to 21 crops belonging to 26 species are approved for registration. Four applications are deferred for further action by developers as per the comments in the enclosed table.

Following recommendations emerged during the discussion in the 52nd PGRC meeting:

- A committee will be constituted under chairmanship of Dr. Anju Mahendru Singh and nominated nodal officers from crop-based Institutes for setting benchmark values of different traits to be considered for selecting proposals for germplasm registration (Action: Member-secretary, PGRC)
- It was recommended that the documentary proof (AICRP reports/research papers published in NAAS rated journals) appended with registration proposals should not be more than three years old *eg.*, if a proposal is submitted during January to December 2024, then the AICRP reports/research papers published on or after January 2021 will only be considered, proof of the period before January 2021 will be treated as invalid. Member-secretary requested the Directors and PCs/PDs present in the meeting to kindly circulate the proceedings to IGIC of their Institute/organization recommending the proposals)
- The value of the trait being claimed in the registration proposal should be as per the norms for the crop and should be clearly mentioned in the proposal *eg.*, merely writing high protein content as a trait for registration is not acceptable, rather high protein content (x%) should be mentioned as per the documentary proof.

The Co-chairman observed that link for the online meeting is being shared with others not authorised to attend the meeting. This was viewed seriously by the Chairman, PGRC and it was conveyed to abstain from sharing the link for the online meeting of PGRC. Name of the nominee must be communicated to member-secretary at least two days before the meeting.

At the end of the meeting, the member-secretary proposed a vote of thanks to the Chairperson, Co-Chairperson and Director, NBPGR for their guidance and suggestions in PGRC related work. She also thanked the ADGs, Directors, PC/PD/nominees, experts and colleagues, NBPGR for their valuable inputs. The efforts of Sh Arup Das, Young Professional for his support in the PGRC related work was also appreciated.

(Anju Mahendru Singh)
Member Secretary, PGRC
ICAR-National Bureau of Plant Genetic Resources
Pusa Campus, New Delhi-110 012

(TR Sharma)
DDG (CS) & Chairman, PGRC
Indian Council of Agricultural Research
Krishi Bhavan, New Delhi-110 001

52nd Germplasm Registration Committee Meeting, May 22, 2024: 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.	23127; IC0651966 **INGR24001**	Rice/ *Oryza sativa*	RP6368	IBL57 X IRGC66651=IJD38 (RP6368)	Wide Compatible Restorer	Dr. AS Hari Prasad, ICAR-IIRR, Hyderabad, Telangana	**Recommended for registration.**
2.	23125; IC0651967 **INGR24002**	Rice/ *Oryza sativa*	RP6367	RPHR1096 X IRGC66755=RP6367(IJD34)	Wide Compatible Restorer	Dr. AS Hari Prasad, ICAR-IIRR, Hyderabad, Telangana	**Recommended for registration.**
3.	23158; IC0	Rice/ *Oryza sativa* var. *indica*	APMS 6A & APMS 6B	IR 58025A x Supreme (Selection from PR 108)	• Cytoplasmic male sterile line with wild abortive cytoplasm	Dr. T Srinivas, RARS, Maruteru Andhra Pradesh	**Not Recommended:** Released Varieties and their parents/hybrid/traditional or farmers' varieties of common knowledge' are ineligible for registration.
4.	23218; IC0651968 **INGR24003**	Rice/ *Oryza sativa* x *O. nivara*	NPK77-3; IET30100	Swarna x *O. nivara* IRGC81832 BC2F8	• Wild introgression line with high resistance to BLB ✓ **(Average disease score=4.7 in Disease screening nursery)** ✓ 4 consistent BB QTLs: qBB15-4-1, qBB15-5-1, qBB15-5-3 and qBB15-6-1 ✓ *O. nivara* alleles for *Xa4* gene.	Dr. Divya Balakrishnan, ICAR-IIRR Hyderabad, Telangana	**Recommended for registration.**

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5.	24013; IC0651969 **INGR24004**	Wheat/ *Triticum aestivum* subsp. *aestivum*	DBW-EMS268	EMS mutant derived from DPW-621-50	Drought and heat stress tolerance • DSI=**0.81** with lower yield reduction **(25.5%)** under drought stress condition • HSI=**0.77** with lower yield reduction **(20.1%)** under heat stress condition	Dr. Mamrutha HM, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
6.	24014; IC0651970 **INGR24005**	Wheat/ *Triticum aestivum* subsp. *aestivum*	DBW-EMS339	EMS mutant derived from DPW-621-50	Drought tolerance (DSI=**0.66)** with lower yield reduction **(20.8%)** under drought)	Dr. Mamrutha HM, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
7.	24008; IC0651971 **INGR24006**	Wheat/ *Triticum aestivum* subsp.	DTS 116	Dharwar Dry x DPW621-50	Drought stress tolerance (**DSI=0.40)**	Dr. Sonia Sheoran, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
8.	24010; IC0651972 **INGR24007**	Wheat/ *Triticum* aestivum subsp. *aestivum*	DBW424	FRNCLN*2/TECUE #1*2/3/ ATTILA*2/PBW65*2//MURGA-(Germplasm from nurseries/entries of Mexico)	• Drought and heat stress tolerance (**HSI= 0.78; DSI =0.89)** • Resistant to yellow rust of wheat **(ACI=1.2)**	Dr. Hanif Khan, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
9.	24090; IC0651973 **INGR24008**	Wheat/ *Triticum aestivum*	PBS 2022-1	K818/DPW621-50//WH1105	High heat stress tolerance **(HSI: 0.76)** with lower grain yield reduction **(20.0%)** under heat stress	Dr. BS Tyagi, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
10.	23108; IC029040 **INGR24009**	Wheat/ *Triticum durum*	IC29040 (Tested as CPIIWBR-266)	Selection from IC29040 (Raj-35/)	• Leaf Rust resistance **(HS= 0; ACI=0)**	Dr. PL Kashyap, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**

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11.	23123; IC0651974 **INGR24010**	Wheat/ *Triticum aestivum*	B2011\CIMCOG\21	CNDO/R143//ENTE/MEXI_2/3/AEGILOPS SQUARROSA (TAUS)/4/OCI/5/PASTOR/6/TEMPORALERA M 87/ROMO96 - (Germplasm from nursery entries of Mexico	Yellow (Stripe) rust resistance **(ACI= 4.3; HS= 10MS)**	Dr. P L Kashyap, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration:** The inheritance of the resistance trait (s) should be worked out.
12.	24029; IC0651975 **INGR24011**	Wheat/ *Triticum aestivum*	WAP2206	Sel. from SHORTENED SR26 TRANSLOCATION//2*WBL1*2/KKTS/3/BECARD/4/BORL14	• Resistant to stem rust **(HS=-10MR and ACI 0.7)** • Resistant to leaf rust **(HS= 10R and ACI 0.3)**	Dr Vishnu Kumar, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended for registration.**
13.	24030; IC0651976 **INGR24012**	Wheat/ *Triticum aestivum*	WAP2207	Sel. from HD2967/3/SWSR22T.B./2*BLOUK#1//WBLL1*2/KURUKU	• Resistant to yellow (stripe) rust **(HS= 5S; ACI 0.6)** • Resistant to leaf rust **(HS= 5MR and ACI 0.3)**	Dr. Vishnu Kumar, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended for registration.**
14.	23187; IC535133 **INGR24013**	Wheat/ *Triticum dicoccum*	IC535133; RRH-5072	Local germplasm collection	Resistant to leaf rust **(Resistance score= ; to ;N for multiple pathotypes)**	Dr Amit K Singh, ICAR-NBPGR, Pusa Campus, New Delhi,	**Recommended for registration.**
15.	24050; IC138898 **INGR24014**	Wheat/ *Triticum diccocum*	IC138898; VDV-5/88; NIC-1376	Local collection	Resistant to leaf rust **(Resistance score= ; to ;N for multiple pathotypes)**	Dr Amit K Singh, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended for registration.**
16.	24048; IC534306	Wheat/ *Triticum aestivum*	IC534306; PI-176214	Landrace	• Resistant to spot blotch • The four MTAs validated	Dr Sundeep Kumar, ICAR-NBPGR, Pusa Campus,	**Deferred:** Experts have commented that this germplasm is not resistant; it is moderately

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					through KASP markers	New Delhi	resistant to spot blotch. Documentary proof shows many wheat genotypes with higher level of resistance to spot blotch. Developers may provide published data for the claim.
17.	24031; IC0651977 **INGR24015**	Wheat/ *Triticum aestivum*	DBW398	SOKOLL/3/PASTOR//HXL7573/2*BAU/4/GLADIUS	• Low phenol colour score of 3.9 and 4.1 in NWPZ and NEPZ respectively	Dr Vishnu Kumar, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended for registration:** For colour score. Not recommended for Zn content as it is significantly lower than the earlier registered stock.
18.	24049; IC0277738	Wheat/ *Triticum durum*	IC277738; HD/2000-57; Karamadi-1-4	Selection from HD/2000-57	High grain protein content **(13.71%)**	Dr Jyoti Kumari, ICAR-NBPGR, New Delhi, Pusa Campus	**Not Recommended:** Earlier registered genetic stocks with more than 14.0% GPC (INGR00003, INGR03012, INGR03050, INGR13053, INGR18017, INGR20016) are available.
19.	24052; EC182958 **INGR24016**	Wheat/ *Triticum sphaerococcum*	EC182958	Selection from EC182958	High grain protein content **(17.16%)**	Dr Jyoti Kumari, ICAR-NBPGR, New Delhi, Pusa Campus	**Recommended for registration.**
20.	24057; IC634028 **INGR24017**	Wheat/ *Triticum sphaerococcum*	IC634028; AD-19/101; Kathod Genhu	Pureline selection from IC634028	High grain protein content **(15.72%)**	Dr Jyoti Kumari, ICAR-NBPGR, New Delhi, Pusa Campus	**Recommended for registration.**
21.	24058; IC539313 **INGR24018**	Wheat/ *Triticum aestivum*	IC539313; TADIA-GENEPOOL	Selection from IC539313	• High thousand grain weight **(55.03g)** • More grain length **(7.15 mm)**	Dr Jyoti Kumari, ICAR-NBPGR, New Delhi, Pusa Campus	**Recommended for registration.**
22.	24059; EC578134	Wheat/ *Triticum aestivum*	EC578134; SYNT-E-33	SYNT-E- 33/	• High thousand grain weight **(53.56g)** • More grain length **(7.46 mm)**	Dr Jyoti Kumari, ICAR-NBPGR, New Delhi, Pusa Campus	**Not Recommended:** Value of IC539313; TADIA-GENEPOOL is higher than this entry.

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23.	23143; EC898340	Barley/ *Hordeum vulgare* var. *spontaneum* (Hulled wild)*****	DWRBG17 (tested as HVS-14; IG 144123)	Single plant selection in the wild accession	Resistance to Corn Leaf Aphid **(2 on 1-5 scale)**	Dr. Chuni Lal, ICAR-IIWBR, Karnal, Haryana	**Not Recommended:** Registered Corn Leaf Aphid resistant barley genetic stocks with better resistance are available.
24.	24024; IC0651978 **INGR24019**	Barley/ *Hordeum vulgare* (Hulless barley)*****	DWRBG25 (Tested as INBON-HI-(2016)-73)	Atahualpa/Iraqi Black/3/CANELA/ GOB//ALELI	• Higher grain beta glucan content **(8.0%dwb)** • Bold grain percentage **(90.7%)** • High Protein content **(16.1%dwb)**	Dr. OP Gupta, ICAR-IIWBR, Karnal, Haryana	**Recommended for registration.**
25.	24022; IC0638874	Barley/ *Hordeum vulgare* (Hulless barley)*****	DWRB 26 (Tested as DWRNB 17)	ZIGZIG/4/TOCTE/ HIGO/LINO/3/PET UNIA1	• High total phenolic content (**2mg/g GAE)** • High antioxidant activity **(60.42% discoloration)**	Dr. OP Gupta, ICAR-IIWBR, Karnal, Haryana	**Not Recommended:** Since the trait claimed is not better than already registered genetic stocks.
26.	24023; IC0646835	Barley/ *Hordeum vulgare* (Six row barley)	DWRBG12 (tested as BCU 6315)	INT-15, sterile floret	• High wort Free Amino Nitrogen (FAN) content **(175.3ppm).** • Low grain beta glucan content **(4.6%dwb)** along with excellent malting quality	Dr. OP Gupta, ICAR-IIWBR, Karnal, Haryana	**Not Recommended:** Since the trait claimed is not better than already registered genetic stocks.
27.	23207; IC0651979 **INGR24020**	Barley/ *Hordeum vulgare* ssp. *nudum* (hulless barley)	EC0578359 -SEL	Selection from EC0578359	Salinity tolerance **(at 200 mM NaCl)**	Dr Vikender Kaur, ICAR-NBPGR, Pusa Campus, New Delhi	**Recommended for registration.**
28.	23223;	Barley/	EC0299361	Selection from	Salinity tolerance **(at 200 mM**	Dr Vikender Kaur,	**Recommended for registration.**

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	IC0651980 **INGR24021**	*Hordeum spontaneum*	-SEL	EC0299361	**NaCl)**	ICAR-NBPGR, Pusa Campus, New Delhi	
Millets							
29.	24081; IC0651981 **INGR24022**	Sorghum/ *Sorghum bicolor*	IIMR 20048	CSV 27 × IIMR 1150	• Tolerance to Stem borer **(9.7% dead hearts at 45 DAE)** • Tolerance to Shootfly **(34.8% dead hearts at 28 DAE)**	Dr Hariprasanna K, ICAR-IIMR, Hyderabad, Telangana	**Recommended for registration.**
Grain Legumes							
30.	23192; IC0643973 **INGR24023**	Lentil/ *Lens culinaris*	PHL-3	JL-3 x PDL-2	• Heat tolerance **by better yield in heat screening nursery** • Higher seedling survivability under controlled heat stress conditions	Dr. Dharmendra Singh ICAR-IARI, Pusa Campus, New Delhi	**Recommended for registration.**
31.	23189; IC0625644 **INGR24024**	Cowpea/ *Vigna unguiculata*	AHCP-1-4-1 (IC625644)	Single plant selection from a population (collected from local market of village Limkheda and Jhalod of district Daahod, Gujarat)	Photo-thermo insensitive under hot arid climate **(10-46ºC)**	Dr Ajay Kr. Verma, ICAR-CIAH, Bikaner, Rajasthan	**Recommended for registration.**
32.	23190; IC0628910 **INGR24025**	Cowpea/ *Vigna unguiculata*	AHCP-2-3 (IC628910)	It is a selection from a population collected from Fatehpur, Sikar, Rajasthan	Photo-thermo insensitive under hot arid climate **(10-46ºC)**	Dr. Ajay Kr. Verma, ICAR-CIAH, Bikaner, Rajasthan	**Recommended for registration.**

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33.	24011; IC0647370 **INGR24026**	Pea/ *Pisum sativum*	IPF 2021-21	HFP-4 x EC-1	• Acacia type leaf pattern	Dr. AK Parihar, ICAR-IIPR, Kanpur,Uttar Pradesh	**Recommended for registration.**
Vegetables							
34.	21221; IC0648075 **INGR24027**	Ridge Gourd/ *Luffa acutangula*	IIHR-DMR -18-4-4	(IIHR-52-1-30xIIHR-17-1-7-3)-6-19-1-1-11-1-4	• Moderately resistant to downy mildew (Mean Percent Disease index= **23.46)** • Fruit is medium long, green	Dr. B.Varalakshmi, ICAR-IIHR, Bengaluru, Karnataka	**Recommended for registration.**
35.	23073; IC0648076	Ridge Gourd/ *Luffa acutangula*	IIHR DMR 18-65-1	(IIHR-23-8-10 x IIHR-7-5-1)-12-4-3-2-2-2-1	• Moderately resistant to downy mildew (Mean PDI= **24.03)**	Dr. B.Varalakshmi, ICAR-IIHR, Bengaluru, Karnataka	**Not Recommended:** Value of IIHR-DMR -18-4-4 is less than this entry.
Oilseeds							
36.	22165; IC0346692	Indian Mustard/ *Brassica juncea*	DRMR 1188	Germplasm collection from Patiala, Punjab	Drought tolerance	Dr. HK Sharma, ICAR-DRMR, Bharatpur, Rajasthan	**Deferred** : Value of the claimed trait needs to be mentioned.
37.	24005; IC0651982 **INGR24028**	Indian Mustard/ *Brassica juncea*	DRMRCI (Q) 57	NRCHB101 × Heera	• White Rust Resistant **(2.2%)** • Single low erucic acid (**0.2% in oil)**	Dr. VV Singh, ICAR-DRMR, Bharatpur, Rajasthan	**Recommended for registration.**
38.	24006; IC0651983 **INGR24029**	Indian Mustard/ *Brassica juncea*	DRMRCI 132	DRMR 150-35 × BioYSR	White Rust Resistant **(3.43%)**	Dr. VV Singh, ICAR-DRMR, Bharatpur, Rajasthan	**Recommended for registration.**
39.	23183; IC0651984 **INGR24030**	Groundnut/ *Arachis hypog*aea L.	PBS16023	GG 2 X PBS 190	Fresh seed dormancy **(> 3 weeks)**	Dr. Kirti Rani, ICAR-NBPGR RS Jodhpur, Rajasthan	**Recommended for registration.**
40.	23185; IC0651985 **INGR24031**	Groundnut/ *Arachis hypog*aea L.	PBS 14064	Girnar 1 X PBS 11003	Fresh seed dormancy **(> 3 weeks)**	Dr. Kirti Rani, ICAR-NBPGR RS Jodhpur, Rajasthan	**Recommended for registration.**

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41.	23106; IC0651986 **INGR24032**	Soybean/ *Glycine max*	NRC 252 (Code 16)	NRC 86 x MACS 330	Very Early Maturing **(71 days)**	Dr. Shivakumar M, ICAR-IISR, Indore, Madhya Pradesh	**Recommended for registration.**
42.	23232; IC0651988 **INGR24033**	Soybean/ *Glycine max*	SEL-EC1023	SEL-EC1023 is a single plant selection from the germplasm EC1023 for higher seed viability trait	• Higher seed viability **(98%, 88%, 80%)** • High germination % in ambient storage (**61% germination in fresh, 1, 2 and 3 yrs. of storage)** • Bold Seeded, Determinate, erect plant type • High 100 seed weight **(9.41g)**	Dr. Akshay Talukdar, ICAR-IARI, Pusa Campus, New Delhi	**Recommended for registration.**
43.	24032; IC0651987 **INGR24034**	Soybean/ *Glycine max*	NRC 285	Da-da-cha-ma-me × NRC101	• Kunitz Trypsin Inhibitor (KTI) free • Black seed coat	Dr. Vineet Kumar, ICAR-IISR, Indore, Madhya Pradesh	**Recommended for registration.**
44.	23202; IC0651989 **INGR24035**	Linseed/ *Linum usitatissimum*	IC0498795 -SEL	Selection from landrace IC0498795	Resistance to linseed bud fly infestation in white flowered genetic background **(7.33% mean bud fly infestation)**	Dr. Vikender Kaur, ICAR-NBPGR, Pusa campus, New Delhi	**Recommended for registration.**
45.	23203; IC0651990 **INGR24036**	Linseed/ *Linum usitatissimum*	EC0099001 -SEL	Germplasm Selection from EC0099001	Resistance to linseed bud fly infestation in violet flowered genetic background **(7.36% mean bud fly infestation)**	Dr. Vikender Kaur, ICAR-NBPGR, Pusa campus, New Delhi	**Recommended for registration.**
46.	23204; IC0651991 **INGR24037**	Linseed/ *Linum grandiflorum*	IC0633096 -SEL; VKNT-19/11 /	Germplasm Selection from IC0633096	Resistant to linseed bud fly infestation **(<5% bud fly damage)**	Dr. Vikender Kaur, ICAR-NBPGR, Pusa campus, New Delhi	**Recommended for registration.**

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47.	23205; IC0651992 **INGR24038**	Yellow Flax/ *Linum bienne*	EC0993391 -SEL	Germplasm Selection from EC0993391	Highly resistant to bud fly infestation **(<5% bud fly damage)**	Dr Vikender Kaur ICAR-NBPGR, Pusa campus, New Delhi	**Recommended for registration.**
48.	22074; IC0651993 **INGR24039**	Oil Palm *Elaeis guineensis*	Palm No.35; IOPPV002966	ZS-1- 44 CD X CA-12- 435 CD	• High oil to bunch percent **(24.53 %)** • Dura type	Dr. Anitha Pedapati, ICAR-IIOPR Pedavegi, Andhra Pradesh	**Recommended for registration.**
Spices							
49.	22319; EC510685	Fenugreek/ *Trigonella foenum-graecum*	EC510685	Other (Selection of the germplasm)	Copper green colour leaves Higher contents of antioxidants **(5.11m M trolox/gm)** compare to National Check Afg-1 (2.095 mM trolox/gm)	Dr. VS Meena, ICAR-NBPGR RS Jodhpur, Rajasthan	**Not recommended:** Documentary proof of antioxidant value not provided No multi-environmental data provided. The colour variability of leaves in not properly mentioned in the research paper.
50.	24079; IC0599082	Black Pepper/ *Piper nigrum*	Arka Coorg Excel	Selection from open pollinated seedling	• Highest weight of 100 berries **(5.45 g)** • Highest berry recovery Percentage **(37.22 %)**	Dr. G Karunakaran. ICAR-IIHR, Bengaluru, Karnataka	**Deferred:** Not recommended for spike length as higher spike length germplasm is already registered. The NAGS certificate should be corrected and resubmitted to NBPGR because the germplasm is mentioned as Variety whereas it is not a variety but a genetic stock only.
Fruits and Nuts							
51.	23148; IC0249899 **INGR24040**	Cashew/ *Anacardium occidentale*	Purple Cashew	Selection	• Pigmented cashew **(purple colour)** • High TSS **(11.27 B)** • Twisted pistil	Dr. GL Veena, ICAR-DCR, Puttur, Karnataka	**Recommended for registration.**
52.	23166; IC0639952	Cashew/ *Anacardium occidentale*	IC0639952/ NRC547	NRC Selection 2 X Bhedasi	• Cashew with Jumbo nut **(12g)** • Uniform nut size	Dr. J Dinakara Adiga, ICAR-DCR, Puttur, Karnataka	**Not Recommended:** It is already approved in SVRC.

53.	23208; IC0639957 **INGR24041**	Cashew/ *Anacardium occidentale*	NRC-552/ IC-0639957/ Selection 480	NRC Selection 2 X Bhedasi	• Cluster bearing. • Consistent yielder **(6.9kg nuts per tree**) • High yield (**14.79kg** cumulative nut yield per tree at fourth harvest)	Dr. J Dinakara Adiga, ICAR-DCR, Pu ttur, Karnataka	**Recommended for registration.**
54.	23209 IC0639953 **INGR24042**	Cashew/ *Anacardium occidentale*	NRC548/ IC0639953/ H-125	Selection	• Jumbo nut **(12g)** • High yield **(7.49 kg per tree)**	Dr. J Dinakara Adiga, ICAR-DCR, Puttur, Karnataka	**Recommended for registration.**
55.	24018; IC0651994 **INGR24043**	Cashew/ *Anacardium occidentale*	RFRS 195	Selection (Collected scion sticks of promising seedling from farmer)	• Low CNSL content **(7.85%)** in shell of tender nut • Easy to remove tender kernel from tender nut with less skin damage • High tender kernel recovery **(32%)** • High shelling percentage **(31.18%)**	Mr. Lalit S Khapare, BSKKV, RFRS, Sindhudurg, Maharashtra	**Recommended for registration.**
56.	24033; IC0250079 **INGR24044**	Cashew/ *Anacardium occidentale*	NRC 301 / IC250079; Ullal 12-2	Collection from Cashew Research Station, Madakkathara, Kerala	• Big size of cashew apple **(183.10 g)** • Slant nut bearing	Dr. Eradasappa E, ICAR-DCR, Puttur, Karnataka	**Recommended for registration.**
57.	24041 IC625864 **INGR24045**	Jackal Jujube/ *Ziziphus oenoplia*	IC625864	Selection from IC625864	• High Phenol **(256.2 GAE)** • Black in colour at the time of maturity	Dr. VS Meena, NBPGR, RS, Jodhpur, Rajasthan	**Recommended for registration.**
Medicinal and Aromatic Plants							

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58.	23215 IC0651995 **INGR24046**	German Chammomill/ *Matricaria chamomilla*	CSIR-IHBT-MC-19005	half sib progeny of selection MC-19005 followed by selfings	• Fresh flower yield: **2.55 kg/plot (6sqm).** • Essential oil content: **3.49 g/kg.**	Dr. Satbeer Singh, CSIR-IHBT, Palampur, Himachal Pradesh	**Recommended for registration.**
59.	24002; IC0651996 **INGR24047**	True Lavender/ *Lavandula angustifolia*	CSIR-IHBT-LOH15141	(Sek-1 X No.9) - 25-1	• Fresh spike yield: **3.03 kg/plot (6 sqm).** • Essential oil content: **12.59 g/kg.**	Dr. Satbeer Singh, CSIR-IHBT, Palampur, Himachal Pradesh	**Recommended for registration.**
Ornamental							
60.	24026; IC0641855 **INGR24048**	Gladiolus/ *Gladiolus hybridus*	IC641855	Mutant of gladiolus variety Vidushi.	• Spontaneous mutant ✓ outer tepals is in **yellow orange group 16 D** ✓ Two-three spots on inner tepals in red group 46 C ✓ High number of florets (**18.66 to 19.66)** ✓ Greater length of spikes (>1**17.00 cm)** ✓ High average corm multiplication rate (**2.66 per plant)**	Dr Kishan Swaroop, ICAR-IARI, Pusa Campus, New Delhi	**Recommended for registration.**
Commercial crop							
61.	24088; IC0651997 **INGR24049**	Sugarcane/ *Saccharum* sp.	GU 12-21	GU 04 28 EO-2 X Co 06027	• Broad spectrum resistance to red rot disease **(Cf 671 and more virulent Cf671 + Cf9401)** • Winter sprouting potential (**WSI= 7.2)**	Dr. K Mohanraj, ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended for registration.**
62.	24085; IC0651998 **INGR24050**	Sugarcane/ *Saccharum* sp.	GU 12-19	GU 04 28 EO-2 X Co 06027	• High winter sprouting potential **(WSI =10.6)**	Dr. K Mohanraj, ICAR-SBI, Coimbatore,	**Recommended for registration.**

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					• Broad spectrum resistance to red rot disease **(R to Cf06 pathotype** and **MR** to **Cf06 +Cf12 mixed pathotype)**	Tamil Nadu	
63.	23220; IC0651999 **INGR24051**	Sugarcane/ *Saccharum* sp.	Co 12014	Co 97007 x Co 775	• Red rot resistance **(MR**) • Smut resistance **(MR)** • Yellow leaf disease resistance **(MR)**	Dr. RM Shanthi, ICAR-SBI, Coimbatore, Tamil Nadu	**Recommended for registration.**
Tuber							
64.	23034; IC0652000 **INGR24052**	Potato/ *Solanum tuberosum*	OS/01-516	D/79-56 (D 49/1xCP 1974) x CP 1974	• Highly resistant to potato cyst nematode **(0.97Rf)** • Moderately Resistant to late blight disease of potato **(AUDPC=134.3)**	Dr. Priyank H Mhatre, ICAR-CPRI, RS, Ooty, Tamil Nadu	**Recommended for registration.**
65.	23110; IC0	Potato/ *Solanum tuberosum*	Kanpuria Safed	Local potato collection from Kanpur, Uttar Pradesh	Highly resistant to late blight	Dr. Dalamu, ICAR-CPRI, Shimla, Himachal Pradesh	**Deferred:** AUDPC should be mentioned

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Summary of Deferred Proposals of previous PGRC Meeting with Recommendations

S. No.	App. No./ National Id.	Crop/ Botanical Name	Other Identity	Pedigree	Potentially valuable features	Corresponding author	Recommendations of PGRC
Oilseeds							
1.	23171 IC0652001 **INGR24053**	Castor/ *Ricinus communis*	PCS-337	JHB-985 x PRC-2	• High 100 seed weight (**35.3 g** in rainfed conditions).	Dr K. Sadaiah RAR S, PJTSAU, Palem, Telangana	**Recommended for registration:** For high 100 seed weight in rainfed conditions only after getting the clarification from the developer. Not recommended for high seed weight in irrigated conditions and for wilt resistant due to lower values of the claimed trait over the check.

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