

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

Proceedings of the
XXXXVIth Meeting of Plant Germplasm Registration Committee (PGRC)
Held at ICAR-NBPGR, New Delhi on December 24, 2021 in virtual mode

The XXXXVIth meeting of PGRC was held on **December 24, 2021** (10:30 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 (Seeds), ICAR, Krishi Bhavan, New Delhi	Member
3.	Dr V Pandey	ADG (Hort.-I), ICAR, KAB-II, New Delhi	Member
4.	Dr. Ashok Kumar	Director (Acting), ICAR-National Bureau of Plant Genetic Resources, New Delhi	Member
5.	Dr. S Roy	Director, ICAR-Directorate of Medicinal & Aromatic Plants Research, Anand, Gujarat	Member
6.	Dr. RM Sundaram	Director, ICAR-Indian Institute of Rice Research, Hyderabad, Telangana	Member
7.	Dr. PK Rai	Director, ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan	Member
8.	Dr. AK Roy	Project Coordinator, AICRP on Forage Crops, ICAR-IGFRI, Jhansi, (UP)	Member
9.	Dr. Shiv Sewak	Project Coordinator (Acting), AICRP on MULLaRP, ICAR-Indian Institute of Pulses Research, Kanpur, (UP)	Member
10.	Dr. Gyanendra Singh	Representative of Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana	Member
11.	Dr C Aruna	Representative of Director, Indian Institute of Millets Research, Rajendranagar, Hyderabad, Telangana	Member
12.	Dr. Rajesh Kumar	Representative of Director, ICAR-Indian Institute of Vegetable Research, Varanasi, (UP)	Member
13.	Dr. SM Palve	Representative of Director, ICAR-Central Institute of Cotton Research, Nagpur, Gujarat	Member
14.	Dr. N Mukta	Representative of Director, ICAR-Indian Institute of Oilseeds Research, Hyderabad, Telangana	Member
15.	Dr. BC Patra	Representative of Director, ICAR-National Rice Research Institute, Cuttack, Odisha	Member
16.	Dr. Geetha KA	Principal Scientist, ICAR-Directorate of Medicinal & Aromatic Plants Research, Anand, Gujarat	Invitee
17.	Dr. Chikkappa GK	Representative of Director, ICAR-Indian Institute of Maize Research, Ludhiana, Punjab	Member
18.	Dr. Dharendra Singh	Representative of Director, ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan	Member
19.	Dr Kona Parveen	Representative of Director, ICAR-Directorate of Groundnut Research, Junagadh, Gujarat	Member
20.	Dr. Anjali Kak Koul	Principal Scientist, Division of Germplasm,	Member

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		Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	
21.	Dr. Veena Gupta	Head (Acting), Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi	Member Secretary

The **XXXXVIth** 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. Ashok Kumar, Director (Acting), ICAR-NBPGR welcomed and thanked the Chairman for holding the meetings at quarterly interval. The Director also thanked all the experts and PC/PD for reviewing the proposals well in time for the meeting. Dr. TR Sharma, DDG (CS) suggested that a special bulletin/publication should be published to mark 25 years of registration of trait specific germplasm at ICAR-NBPGR and the celebration should be held.

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

- Meeting for revisiting the guidelines should be conducted at the earliest. The committee for the same has already been notified.

A total of 131 proposals were received for registration and out of that, 74 (proposals completed in all respect) were placed for consideration along with comments. These were received from the respective PD/PC or 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 has been summarized in the enclosed table. Finally, 67 proposals belonging to 27 crop species were approved for registration and two were deferred for want of additional data and additional comment from experts. It was also agreed upon that next meeting of PGRC will be held in March 2022.

The meeting end with vote of thanks by Dr. Veena Gupta, Member-Secretary, PGRC, ICAR-NBPGR

(Veena Gupta)
Member Secretary, PGRC
ICAR-National Bureau of Plant Genetic Resources
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(TR Sharma)
DDG (CS) & Chairman, PGRC
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**XXXXVIth Germplasm Registration Committee Meeting, December 24, 2021:
Summary of New Proposals with Recommendations**

S. No.	App. No./ National Id.	Other Identity	Crop/ Botanical Name	Pedigree	Potentially valuable features	Corresponding author	Recommendations of PGRC
Cereals							
1.	21219; IC0641981 INGR21176	RP 5690-20-6-3-2-1	Rice/ <i>Oryza sativa</i>	RP 5690-20-6-3-2-1	Dual donor for resistance to Brown planthopper and Whitebacked planthopper in rice. Possessed bph4, Bph 9, Bph 17 and Bph 32 genes for BPH resistance; and wbph 9 & wbph 10 genes for WBPH resistance.	Dr. G Padmavathi, ICAR-IIRR, Hyderabad Telangana	Recommended
2.	21206; IC0640650 INGR21177	CRR 363-36 (IET19251)	Rice/ <i>Oryza sativa</i>	Gaurav/ Kalinga III [Gaurav (Basmati 370 mutant): An evolved basmati variety developed through mutation of traditional variety Basmati 370 at RRS, Kaul, Haryana, with excellent grain quality and aroma. Kalinga III (AC 540/ Ratna): A tall high yielding variety developed at NRRI for uplands of Odisha & Bihar.]	Aromatic early maturing rice elite line for rainfed uplands. Long Slender grains. Very early duration (85-90 days).	Dr BC Patra, ICAR-NRRI, Cuttack, Odisha	Recommended
3.	21269; IC0560851 INGR21178	RR 433-2-1 (IET 19252)	Rice/ <i>Oryza sativa</i>	IRAT 112/ Annada (• IRAT 112 (IRAT 13/DOURADO PRECOCE): A tropical japonica developed at Ivory Coast • Annada (MTU 15 / Waikoku): A semi-dwarf highly drought tolerant popular upland variety developed at CRRI, Cuttack	Drought tolerant high yielding elite line for rainfed direct seeded upland conditions. Early maturing (95-100 days).	Dr BC Patra, ICAR-NRRI, Cuttack, Odisha	Recommended

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				and released through CVRC and also at Nepal)			
4.	21270; IC0640883 INGR21179	Kalakeri; NPM/SR25	Rice/ <i>Oryza sativa</i>	Landrace	Drought tolerant. Phosphorus starvation tolerant. Weed competitiveness.	Dr BC Patra, ICAR-NRRI, Cuttack, Odisha	Recommended
5.	21281; IC0593960;	IET 20214 (Jalamani)	Rice/ <i>Oryza sativa</i>	Panikekoa/Ambika	Nutritious rice straw due to high In-vitro organic matter digestibility (IVOMD) of straw (46.6%) suitable for animal dry fodder and health. High biomass (straw yield 17.7 t/ha)	Dr BC Patra, ICAR-NRRI, Cuttack, Odisha	Not Recommended: Released variety hence does not qualify for registration
6.	21108; IC0640652; INGR21180	Hango-2	Wheat/ <i>Triticum aestivum</i>	Hango-2	Novel leaf rust resistance gene Lr80. Confers broad spectrum leaf rust resistance.	Dr. SC Bhardwaj, ICAR-IIWBR RS, Shimla, Himachal Pradesh	Recommended
7.	21169; IC0638606; INGR21181	HS661	Wheat/ <i>Triticum aestivum</i>	HS295*2/FLW20//HS295*2/FLW13	Resistant to all pathotypes of Yellow (Stripe) Rust. Possessing rust resistance genes <i>Yr15</i> and <i>Sr25/Lr19</i> .	Dr. Dharam Pal, ICAR-IARI RS, Shimla, Himachal Pradesh	Recommended
8.	21194; IC0640678	HD3215	Wheat/ <i>Triticum aestivum</i>	TRCH/SRTU//KACHU/8/R EH/HARE//2*BCN/3/CROC_1/AE.SQUARROSA	High Sedimentation Value.	Dr. Anju M Singh, ICAR-IARI, Pusa Campus, New Delhi	Not recommended no novelty
9.	21195; IC0640679 INGR21182	QBP18-8	Wheat/ <i>Triticum aestivum</i>	Fret2/Tukuru//Fret2*2/3/T.Spelta PI348530/4/Vali/5/Mucuy	High Hectoliter Weight.	Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi	Recommended
10.	21196; IC0640680 INGR21183	QBI20-14	Wheat/ <i>Triticum aestivum</i>	Francolin #1/3/IWA 8600211//2* PBW343*2/Croc_1/Ae squarrosa//Kulin/3/Westonia/6/ Kachu// Wbill 1*2/Brambling	High Grain Zinc concentration.	Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi	Recommended

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11.	21201; IC0640681 INGR21184	QBP18-10	Wheat/ <i>Triticum aestivum</i>	Vali/Mayil-3-2	High Hectoliter Weight. Superior Grain Appearance.	Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi	Recommended
12.	21202; IC0640682 INGR21185	QBP17-7	Wheat/ <i>Triticum aestivum</i>	Kvz/PPR47.89C//Francolin #1/3/2*Pauraq/4/PBW343*2 /Kukuna*2//Frtl/Pifed	High Grain Iron Concentration.	Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi	Recommended
13.	21204; IC0640684 INGR21186	HD3241	Wheat/ <i>Triticum aestivum</i>	Danphe#1*2/Solala/3/Tacup etoF2001/Brambling*2//Kac hu	High sedimentation value (73-75 ml) for greater gluten strength.	Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi	Recommended
14.	21232; IC290156 INGR21187	IC290156	Wheat/ <i>Triticum aestivum</i>	Not available	Resistant to stripe rust pathotypes 46S119 and 47S103 due to presence of favorable alleles for resistance against these prominent races and thus, showed less disease severity. Presence of 11 novel significant QTLs confers resistance against stripe rust. Associated with a candidate gene TraesCS6D02G384800, which functions as leucine-rich repeat receptor-like protein kinases (LRR)	Dr. Sundeep Kumar, ICAR-NBPGR, Pusa Campus, New Delhi	Recommended
15.	21238; IC0321906 INGR21188	IC321906	Wheat/ <i>Triticum aestivum</i>	Germplasm collection	Terminal heat tolerance. Presence of QTLs with favorable alleles for 3 different traits viz. grain yield, grain filling rate and biomass.	Dr. Sundeep Kumar, ICAR-NBPGR, Pusa Campus, New Delhi	Recommended
16.	21222; IC0641982 INGR21189	BNSR 6	Wheat/ <i>Triticum aestivum</i>	DPW 621-50 // GLUPRO*3 / PBW 568	The genotype is having very high level of Fe, Zn and Protein content.	Dr. Sewa Ram, ICAR-IIWBR, Karnal, Haryana	Recommended

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17.	21256; IC0641983 INGR21190	HI 8807	Wheat/ <i>Triticum durum</i>	HI 8695/ HI 8663// HI 8663	Resistant to stem, leaf and stripe rusts. Resistant to Karnal Bunt. High yielding.	Dr. JB Singh ICAR-IARI RS, Indore, Madhya Pradesh	Recommended
18.	21257; IC0641984 INGR21191	HI 8812	Wheat/ <i>Triticum durum</i>	HI 8680/ HI 8663	Resistant to stem, leaf and stripe rusts. Resistant to Flag Smut. High yielding.	Dr. JB Singh ICAR-IARI RS, Indore, Madhya Pradesh	Recommended
19.	21261; IC0641985 INGR21192	RWP-2018-32	Wheat/ <i>Triticum durum</i>	HD3131/DBW90	Heat stress tolerant genotype with lower grain yield reduction under stress. Higher grain number under heat stress. Higher grain weight under heat stress.	Dr. Mamrutha HM ICAR-IIWBR, Karnal, Haryana	Recommended
20.	21266; IC0641986 INGR21193	DBW302	Wheat/ <i>Triticum aestivum</i>	DBW112/HD3108	Resistant to black and brown rusts. Resistant to Karnal bunt and flag smut.	Dr Hanif Khan ICAR-IIWBR, Karnal, Haryana	Recommended
21.	21148; IC0640669 INGR21194	IIWBR DN 502	Wheat / <i>Triticum aestivum</i>	PBW 502/Nap Hal/*2Nap Hal (BC2F8)	The genotype is having Glu-D1 double null with lowest sedimentation volume in the background of PBW 502 and suitable for biscuit making.	Dr. Sewa Ram ICAR-IIWBR, Karnal, Haryana	Recommended
22.	21155; IC0640675 INGR21195	DBW308	Wheat / <i>Triticum aestivum</i>	HD3108/HD2967	Highly resistant to wheat blast and brown rust. Resistant to black and yellow rust diseases of wheat	Dr. Hanif Khan, ICAR-IIWBR, Karnal, Haryana	Recommended
23.	21161; IC0640673 INGR21196	HW5073	Wheat / <i>Triticum aestivum</i>	HD 2833 (Sr2+ & Sr24/Lr24) * 4/COOK (Sr36/Pm6)	Consist of one adult plant minor stem rust resistance gene (APR), Sr2 which has pleiotropic effect on leaf rust (Lr27) and stripe rust (Yr30) resistance. Contains two major stem rust (Sr24 & Sr36), one leaf rust (Lr24) and one powdery mildew (Pm6) resistance genes. Resistant to the prevailing stem rust, leaf rust and powdery mildew pathotypes.	Dr Vikas VK, ICAR-IARI RS, Wellington, Tamil Nadu	Recommended

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24.	21117 IC0640654 & IC0640655 INGR21197	DCMS 22A & DCMS 22B	Wheat / <i>Triticum aestivum</i>	MTSA 2A/8*RAYON//8*DBW 16	New cytoplasmic genetic male sterile line in DBW 16 background with CMS source MTSA 2A alongwith maintainer (B) line	Dr. SK Singh ICAR-IIWBR, Karnal, Haryana	Recommended
25.	19181; IC0640656 & IC0640657 INGR21198	DCMS 23A & DCMS 23B	Wheat / <i>Triticum aestivum</i>	CHUAN13A/5/7*ATTILA/3 /HUI/CARC//CHEN/CHTO/ 4/ATTILA/6/8*DBW 16	New cytoplasmic genetic male sterile line in DBW 16 background with CMS source Chuan 13A	Dr. SK Singh ICAR-IIWBR, Karnal, Haryana	Recommended
26.	21171; IC0640666 INGR21199	WAPD 1508	Wheat / <i>Triticum aestivum</i>	35IBWSN 159 / 34IBWSN 24 // 23ESWYT 43	Triple gene dwarf genotype possessing bold seeds and longer spikes	Dr. SK Singh ICAR-IIWBR, Karnal, Haryana	Recommended
27.	21172; IC0640667 INGR21200	DWAP 18- 07	Wheat/ <i>Triticum aestivum</i>	Modified pedigree method	Highly tolerant to water stress conditions of warmer areas. Low SSI. Low yield reduction under stress.	Dr. SK Singh ICAR-IIWBR, Karnal, Haryana	Recommended
28.	18158; IC0631397 INGR21201	TAW 33	Wheat / <i>Triticum aestivum</i>	HD2385*FLW2	High grain hardness index (important quality parameter)	Dr. BK Das, NABTD, BARC Mumbai, Maharashtra	Recommended
29.	21164; IC0640686 INGR21202	BHS 478 (BBM 800)	Barley / <i>Hordeum vulgare</i>	BHS385/ BHS369	Seedling resistance against all races of leaf and stripe rust. Seedling resistant to moderately resistant response against all races of stem rust (except for race 11, showing moderately susceptible reaction). Adult plant resistance to yellow rust (average coefficient of infection (ACI)=0 and highest score =0 during 2018-19 and ACI less than 10 i.e., 8.6 during 2019-20). Also, adult plant resistance to leaf rust (HS=5S) and stem rust (HS=5S).	Dr. Madhu Patial, ICAR-IARI RS, Shimla, Himachal Pradesh	Recommended
30.	21210; IC0641987 INGR21203	DWRBG 4	Barley / <i>Hordeum</i>	DWR30/Shebac	Combination of High beta Glucan and high protein	Dr Rekha Malik ICAR-IIWBR,	Recommended

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			<i>vulgare</i>			Karnal, Haryana	
31.	21247; IC0641988 INGR21204	DWRBG 1	Barley / <i>Hordeum vulgare</i>	ICARDA 5 (PYT-2014-15 entry number-41) of ICARDA	Barley genotype with a combination of low grain beta glucan (3.8%) and higher grain protein contents (13%).	Dr Dinesh Kumar, ICAR-IIWBR, Karnal, Haryana	Recommended
32.	21249; IC0641990 INGR21205	DWRBG 3	Barley / <i>Hordeum vulgare</i>	Entry number-93 of PYT 2014-15 (ICARDA) Introduction and Selection	Barley genotype with combination of low grain beta glucan content (3.88%) and desirable thousand grain weight (45g).	Dr Dinesh Kumar ICAR-IIWBR, Karnal, Haryana	Recommended
33.	21251; IC0641991 INGR21206	DWRBG 5	Barley / <i>Hordeum vulgare</i>	W260/BCU8	Huskless barley genotype with high thousand grain (43.5g) weight, in combination of bold grain percentage (63.2%) and protein content (14.7%).	Dr Jogendra Singh ICAR-IIWBR, Karnal, Haryana	Recommended
34.	21252; IC0641992 INGR21207	DWRBG 6	Barley / <i>Hordeum vulgare</i>	PETUNIA2/M112	Huskless barley resistant for stripe rust at APR and for new pathotypes 6S0 and 7S0 at SRT and also having starch content	Dr Jogendra Singh ICAR-IIWBR, Karnal, Haryana	Recommended
35.	21157; IC0640688 INGR21208	IML 21; IMLSB 343-2	Maize / <i>Zea mays</i>	VH126F2-2-2-1-2-1-1-1#-1- 2-1	Resistant to <i>Turcicum Leaf Blight</i> (TLB) (Disease mean score 2.6 on the scale of 1-9).	Dr. Shyam Bir Singh, RMR&SPC ICAR-IIMR, Begusarai, Bihar	Recommended
36.	21159; IC0640689 INGR21209	IML 12; IMLSB 446-2	Maize / <i>Zea mays</i>	VH121048F2-1-4-2-1-1-1- 2#-1-2-1	Resistant to <i>Turcicum Leaf Blight</i> (TLB) (Disease mean score 2.5 on the scale of 1-9)	Dr. Shyam Bir Singh, RMR&SPC ICAR-IIMR, Begusarai, Bihar	Recommended
37.	21160; IC0640690 INGR21210	IML 13; IMLSB 1041-4-1	Maize / <i>Zea mays</i>	NPool41-4-1-1-1-1-1-1#-1B- 1-1	Resistant to <i>Turcicum Leaf Blight</i> (TLB) (Disease mean score 2.4 on the scale of 1-9)	Dr. Shyam Bir Singh, RMR & SPC ICAR-IIMR, Begusarai, Bihar	Recommended
Millets							

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38.	21146; IC0624599 INGR21211	WN 585	Finger Millet/ <i>Eleusine coracana</i>	Pure line selection from WN 585 germplasm	Early Flowering & Early Maturity. Red Grain & High Yielding.	Dr. HE Patil, HMRS, NAU, Waghai, Gujarat	Recommended
Fibre							
39.	21185; IC0641999 INGR21212	CCB 12	Cotton/ <i>Gossypium barbadense</i>	A three way cross (SN (SN x ICB 75) 7-1-6-2)	Cleistogamous flower. Prominent boll tip. Three locule bolls.	Dr. A Manivannan, ICAR-CICR RS, Coimbatore, Tamil Nadu	Recommended
40.	21162; IC0641995	CNH 20378	Cotton/ <i>Gossypium hirsutum</i>	(Suraj X Suvin) Suraj	High ginning outturn percentage (43.4%).	Dr. SM Palve, ICAR-CICR Nagpur, Maharashtra	Not recommended
41.	21165; IC0641996	CNH 20387	Cotton/ <i>Gossypium hirsutum</i>	(Suraj X Suvin) Suraj	High ginning outturn percentage (43.4%).	Dr. SM Palve, ICAR-CICR Nagpur, Maharashtra	Not Recommended
42.	21166; IC0641997 INGR21213	CNH 204710	Cotton/ <i>Gossypium hirsutum</i>	(Suraj X Suvin) Suraj	High ginning outturn percentage (43.9%).	Dr. SM Palve, ICAR-CICR Nagpur, Maharashtra	Recommended
43.	21167; IC0641998	CNH 204910	Cotton/ <i>Gossypium hirsutum</i>	(Suraj X Suvin) Suraj	High ginning outturn percentage (43.3%).	Dr. SM Palve, ICAR-CICR Nagpur, Maharashtra	Not Recommended
Vegetables							
44.	18161; IC0632628 INGR21214	DPB-1	Broccoli/ <i>Brassica oleracea</i> var. <i>italica</i>	A line derived from Palam Vichitra	Purple heading early tropical type broccoli which produce seeds in Northern plains during winter season. In head, buds are fine to medium fine and buds and their stalk are intense purple therefore rich in anthocyanin (30.0 mg/100g fw). Average marketable head weight ranges from 650-810 g and marketable yield is 27.0 t/ha.	Dr. Shrawan Singh, ICAR-IARI, Pusa campus, New Delhi	Recommended
45.	20174; IC0635414 INGR21215	BG-8-1	Bottle gourd/ <i>Lagenaria siceraria</i>	Selection from open pollinated population bg-8	Resistant to powdery mildew elongated straight with stripes	Dr. Dhananjaya MV, ICAR-IIHR Bengaluru,	Recommended

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						Karnataka	
46.	21129; IC0637253 INGR21216	VRT4-55-20 (HCP/YSR-6/)	Tomato/ <i>Solanum lycopersicum</i>	This tomato genotype 'VRT4-55-20' was developed through marker assisted selection from F2 populations of a cross between FLA478-6-1-11 × CLN2498C and FLA478-6-1-11 × CLN1621E. The lines CLN2498C and CLN1621E carry Ty-2 gene. The line FLA478-6-1-11 carry Ty-3 gene.	Broad spectrum resistance to Tomato leaf curl virus (ToL CV). Ty-2 and Ty-3 gene pyramided line. Plum shaped fruits with distinctive thick green shoulder.	Dr. Yerasu Reddy, ICAR-IIVR, Varanasi, Uttar Pradesh	Recommended
47.	21156; IC0642000 INGR21217	BR-207	Cauliflower/ <i>Brassica oleracea</i> var. botrytis	Crossing of S. No. 15 (susceptible) and MGS-2-3 (resistant).	It is resistant to black rot disease (<i>Xanthomonas campestris</i> pv. <i>campestris</i> race 1). Carries single dominant resistant gene	Dr. Partha Saha, ICAR-IARI, Pusa campus, New Delhi	Recommended
48.	21255; IC0642001 INGR21218	PC-1	Cauliflower/ <i>Brassica oleracea</i> var. botrytis	Sicilian Purple type material from open market	PC-1 is a new genotype of Purple Sicilian type (an intermediate type of cauliflower and broccoli) which produce attractive purple curds with light green stalks. • The purple curding phenotype is governed by a single locus Pr with incomplete dominance but different from purple cauliflower. • 'PC-1' curds are rich in anthocyanin (40.6±2.74 mg/100g FW) and mature in December month and produce seed profusely in sub-tropical condition.	Dr. Shrawan Singh, ICAR-IARI, Pusa campus, New Delhi	Recommended
49.	21278; IC0642004 INGR21219	DCA-295	Chilli/ <i>Capsicum annuum</i>	selection from germplasm	Resistant to chilli veinal mottle virus disease. good general combiner for yield and quality traits.	Dr. Prabhudeva A, HREC, Devihosur, Haveri, Karnataka	Recommended

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50.	21115 IC0642005 & IC0642006 INGR21220	VRRAD-12 (A line) & VRRAD-204 (B line)	Radish/ <i>Raphanus sativus</i>	CMS plant from open population of radish was identified and introgressed into elite line i.e. VRRAD-204 (B line) to develop CMS line VRRAD-12 (A line).	Cytoplasmic Male Sterile (CMS) line having lyrate leaf shape and blunt root (almost cylindrical root shape). Good combiner and higher heterosis for yield (12.5-33.6%), root length (6.5-32.4%) and root weight (17.2-30.0%) during winter season. ICAR-IIVR, Varanasi, UP is first to develop CMS line of radish among Public Sector Organizations in India, and will be available on public domain after its registration.	Dr BK Singh, ICAR-IIVR, Varanasi, Uttar Pradesh	Recommended
51.	21283; IC0642003 INGR21221	DPPMR-09-1	Pea/ <i>Pisum sativum</i>	Line DPPMR-09-1 was isolated in BC1F5 generation from the cross '(VRPMR-10 × Sugar Giant) × VRPMR-10' during 2010	Resistant to powdery. mildew disease.	Dr. Akhilesh Sharma, CSKHPKV, Palampur Himachal Pradesh	Recommended
Grain Legumes							
52.	21224; EC762384 INGR21222	EC762384	Cowpea/ <i>Vigna unguiculata</i>	Selection from Exotic germplasm	Dense pubescence.	Dr. Kuldeep Tripathi, ICAR-NBPGR, Pusa Campus, New Delhi	Recommended
53.	21225; IC241473 INGR21223	IC241473	Lentil/ <i>Lens culinaris</i>	Selection from original accession	Multiflowering and multipodding germplasm with fasciated stem.	Dr. Kuldeep Tripathi, ICAR-NBPGR, Pusa Campus, New Delhi	Recommended
54.	19122; EC0398949 INGR21224	EC-0398949	Mung Bean/ <i>Vigna radiata</i>	EC-0398949	Ability of the genotype to maintain a cool canopy even under moisture stress	Dr. SK Raina, NBPGR RS, Srinagar, J&K	Recommended
55.	21223; EC0414478	EC0414478	Pea/ <i>Pisum</i>	Selection from original accession	Unique seed morphotype with extended funiculus	Dr. Kuldeep Tripathi, ICAR-NBPGR, Pusa Campus,	Recommended

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	INGR21225		<i>sativum</i>			New Delhi	
56.	21074; IC0251442 INGR21226	IC251442	Rice Bean/ <i>Vigna umbellata</i>	Local collection	Photo-period insensitive. Thermo-period insensitive.	Dr Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	Recommended
57.	21264; IC0640782 INGR21227	IPF 2014-13	Pea/ <i>Pisum sativum</i>	EC 538005 x IPFD 1-10	Resistance to rust. Powdery mildew Resistance.	Dr AK Parihar, ICAR-IIPR, Kanpur, Uttar Pradesh	Recommended
58.	21267; IC0641993	IPM 526-11	Mung Bean/ <i>Vigna radiata</i>	PDM139 x SPS 87	Highly resistant to yellow mosaic disease caused by Mungbean yellow mosaic India virus	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	Deferred
59.	21268; IC0641994	IPM 08-11	Mung Bean/ <i>Vigna radiata</i>	PDM139 x EC398894	The genotype is highly resistant against yellow mosaic disease caused by Mungbean yellow mosaic India virus.	Dr. Aditya Pratap, ICAR-IIPR, Kanpur, Uttar Pradesh	Deferred
Oilseeds							
60.	21145; IC0640707; INGR21228	DRMR 2018-37	Indian Mustard <i>/Brassica juncea</i>	DRMR 2019 X NRCDR 2	White Rust Resistance.	Dr. HS Meena, ICAR-DRMR, Bharatpur, Rajasthan	Recommended
61.	21198; IC0642010 INGR21229	PBS 29079B	Groundnut/ <i>Arachis hypogaea</i>	Somnath x J 11	Novel source for high hundred kernel weight (85.36 g).	Dr. Kona Praveen, ICAR-DGR, Junagadh, Gujarat	Recommended
62.	21119; IC0642011 INGR21230	M-571	Castor/ <i>Ricinus communis</i>	Mutant of VP-1 pistillate line	Dwarf pistillate line with condensed internodes, convergent branching, cup shaped leaves. Loose spike. Resistant to Fusarium wilt and leafhopper	Dr. C Lavanya, ICAR-IIOR, Rajendranagar, Telangana	Recommended
63.	21088; IC0610001 INGR21231	IC0610001-60;Pune-2/ DOPRG64	Oil palm/ <i>Elaeis guineensis</i>	Introduction and selection	Short stature (28.9 cm). high FFB (243.91 kg). More number of bunches (13) Dura.	Dr Bhagya HP, ICAR-IIOPR, Andhra Pradesh	Recommended
64.	21089; IC0610001	IC0610001-	Oil palm/ <i>Elaeis</i>	Introduction and selection	Low annual height increment (25.25cm). high FFB (211.33 kg).	Dr Bhagya HP, ICAR-IIOPR,	Recommended

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	INGR21232	59/Pune 1	<i>guineensis</i>		Tenera genotype.	Andhra Pradesh	
65.	21090; IC0610051 INGR21233	IC0610051-71; TG-9/ DOPRG114	Oil palm/ <i>Elaeis guineensis</i>	Introduction and selection	High yielding (261.71kg). More number of bunches (16.66). Dura genotype.	Dr Bhagya HP, ICAR-IIOPR, Andhra Pradesh	Recommended
Medicinal and Aromatic Plants							
66.	18108; IC0642007 INGR21234	Jor Lab SM-2	Taro/ <i>Homaelomena aromatica</i>	RRLJ HA-18	High rhizome essential oil yield of 1.20% on dry weight basis.	Dr Mohan Lal CSIR-NEIST, Jorhat, Assam	Recommended
67.	21239; IC0642012 INGR21235	DBM-4	Brahmi/ <i>Bacopa monnieri</i>	The accession 'DBM-4' is diverse for morphological parameters and chemical content. It was collected from Kalyani, West Bengal (22.9747° N, 88.4337° E) and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	Maximum Total Bacosides and Bacoside-A content. API quality parameters (Maximum alcohol soluble extractive and water-soluble extractive).Maximum pedicel length	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	Recommended
68.	21240; IC0642013 INGR21236	DBM-2	Brahmi/ <i>Bacopa monnieri</i>	The germplasm 'DBM-2' is identified for the morphological parameter as well as chemical parameters. It was collected from Pinjor, Haryana (Location: 30.8016°N, 76.9176°E) and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	Curved/Twisty top leaf of stolon. Maximum basal leaf area. Rich in bacoside I.	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	Recommended
69.	21241; IC0642014 INGR21237	DBM-5	Brahmi/ <i>Bacopa monnieri</i>	DBM-5' is diverse germplasm, having different morphological traits (whitish flower colour), higher chemical content as well as	Exceptionally whitish (Light purple) flower colour with purple branch colour. Maximum Jujubogenin content. Maximum Bacoside C	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	Recommended

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				higher herbage yield. It was collected from Jabalpur, MP (Location: 24° 30 N, 80°15 E) and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	content.		
70.	21245; IC0642015 INGR21238	DBM-10	Brahmi/ <i>Bacopa monnieri</i>	DBM-10' reported the minimum leaf area and a maximum number of leaves as an important morphological character. It was collected from Dawara-1, Kheda, Gujarat (Location: 22.7507° N, 72.6847° E) and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	Maximum number of leaves (760.83). Minimum leaf size (0.47-0.48 cm ²).	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	Recommended
71.	21246; IC0642016 INGR21239	DBM-13	Brahmi/ <i>Bacopa monnieri</i>	DBM-13' is identified as distinct germplasm having light green leaf colour and purplish-white flower colour. It was collected from Dawara-3, Gujarat (Location: 22.7507° N, 72.6847° E) and maintained at the Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand.	Morphotype having light green leaf colour. Purplish white flower color. Low chlorophyll content (0.74-1.07 mg g ⁻¹).	Dr. PL Saran, ICAR-DMAPR Anand, Gujarat	Recommended
Spices							
72.	19050; IC0642017	Jor Lab CL-1	Turmeric / <i>Curcuma</i>	Jor Lab CL-1	This is a high leaf essential oil yielding variety with essential oil yield more	Dr. Mohan Lal, CSIR-NEIST,	Recommended

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	INGR21240		<i>longa</i>		than 1.2%.	Jorhat, Assam	
Fruits & Nuts							
73.	21132; IC0625596 INGR21241	IC0625596	Ber/ <i>Ziziphus mauritiana</i>	Selection from gola kakra	Ber (<i>Ziziphus mauritiana</i> L.) genotype with small proportion of stone (7%). A genotype have excellent blend of T.S.S. of 17-18 (°B) acidity (0.35 %) and Vitamin C (51.2 mg/100 gm). A genotype superior in term of taste and fruit weight (23 gm) compare to stone less landrace (INGR No. 19100) which gives gumminess feeling after eating of fruit and also have smaller fruits (1-2 gm).	Dr VS Meena, ICAR-NBPGR RS, Jodhpur, Rajasthan	Recommended
74.	21177; IC0642018 INGR21242	CZCM-2001	Carissa/ <i>Carissa carandas</i>	Selection population seedling	Multiple flowering/fruited in a year (Sadabahar)	Dr. PR Meghwal, ICAR-CAZRI, Jodhpur, Rajasthan	Recommended

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