

PLANTGERMPLASMREGISTRATION COMMITTEE
(*Indian Council of Agricultural Research*)
ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi

Proceedings of the
XXXXVth Meeting of Plant Germplasm Registration Committee (PGRC)
Held at ICAR-NBPGR, New Delhi on September 21, 2021 in virtual mode

The XXXXVth meeting of PGRC was held on **September 21, 2021** (12:30hrs). at ICAR-NBPGR, New Delhi and it was attended by the following members/invitees:

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| 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. RK Singh | ADG (Commercial Crops), Krishi Bhavan, New Delhi | Member |
| 4. | Dr. BK Pandey | ADG (Hort.-II), ICAR, KAB-II, New Delhi | Member |
| 5. | Dr. Ashok Kumar | Director (Acting), ICAR-National Bureau of Plant Genetic Resources, New Delhi | Member |
| 6. | Dr. GP Singh | Director, Indian Institute of Wheat and Barley Research, Karnal, Haryana | Member |
| 7. | Dr. Vilas A Tonapi | Director, Indian Institute of Millets Research, Rajendranagar, Hyderabad, Telangana | Member |
| 8. | Dr. TK Behera | Director, ICAR-Indian Institute of Vegetable Research, Varanasi, (UP) | Member |
| 9. | Dr. S Roy | Director, ICAR-Directorate of Medicinal & Aromatic Plants Research, Anand, Gujarat | Member |
| 10. | Dr. Sujay Rakshit | Director, ICAR-Indian Institute of Maize Research, Ludhiana, Punjab | Member |
| 11. | Dr. RM Sundaram | Director, ICAR-Indian Institute of Rice Research, Hyderabad, Telangana | Member |
| 12. | Dr. KV Prasad | Director, ICAR-Directorate of Floricultural Research, Pune, Maharashtra | Member |
| 13. | Dr. M Sujatha | Director (Acting), ICAR-Indian Institute of Oilseeds Research, Hyderabad, Telangana | Member |
| 14. | Dr. Sandeep Bera | Director (Acting), ICAR-Directorate of Groundnut Research, Junagadh, Gujarat | Member |
| 15. | Dr. PK Rai | Director, ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan | Member |
| 16. | Dr. AK Roy | Project Coordinator, AICRP on Forage Crops, ICAR-IGFRI, Jhansi, (UP) | Member |
| 17. | Dr. Shiv Sewak | Project Coordinator (Acting), AICRP on MULLaRP, ICAR-Indian Institute of Pulses Research, Kanpur, (UP) | Member |
| 18. | Dr. GP Dixit | Project Coordinator (Chickpea), ICAR-Indian Institute of Pulses Research, Kanpur, Uttar Pradesh | Member |
| 19. | Dr. PE Rajashekar | Representative of Director, ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka | Member |

File No.CS.11/8/2020-Seed

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| 20. | Dr. BC Patra | Representative of Director, ICAR-National Rice Research Institute, Cuttack, Odisha | Member |
| 21. | Dr. Vinod kumar | Representative of Director, ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh | Member |
| 22. | Dr. Geetha KA | Representative of Director, ICAR-Directorate of Medicinal & Aromatic Plants Research, Anand, Gujarat | Member |
| 23. | Dr. Gyanendra Singh | Representative of Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana | Invitee |
| 24. | Dr. Anjali Kak Koul | Principal Scientist, Division of Germplasm, Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi | Special invitee |
| 25. | Dr. Veena Gupta | Head (Acting), Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi | Member Secretary |

The **XXXXVth** 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 the Chairman and all the experts from different institutes. 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 in physical mode.

The minutes of the **XXXXIVth** 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 124 proposals were received for registration and out of that, 71 (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, 64 proposals belonging to 30 crop species were approved for registration and seven 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 December 2021.

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
Pusa Campus, New Delhi-110 012

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

**XXXXVth Germplasm Registration Committee Meeting, September 21, 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 |
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| Cereals | | | | | | | |
| 1. | 21045; IC0636815 | CIARI Dhan 8 | Rice/ <i>Oryza sativa</i> | Selection from local rice landrace C14-8 | Photo-sensitive, tall, long duration, selection from local cultivar C14-8. Yellow grain husk colour, 25% higher grain yield compare to original population of C14-8. High straw yield and suitable for fodder purposes | Dr. Pankaj Kr Singh, ICAR-CIARI, Port Blair, A & N Islands | Deferred: Insufficient data. As per guidelines performance (yield contributing traits, adaptation traits, quality traits) data for at least four environments (location and year combination) under All India Coordinated Research Project (AICRP) trial/nursery tests supported with relevant extracts of the documents (e.g. comparative data of all entries tested) or verification by concerned Project Director/Project Coordinator (PD/PC) or under any other relevant system verified by Competent Authority should be produced by applicant for registration of genetic stock under ICAR-NBPGR. |
| 2. | 21057; IC0636816 | CIARI Dhan 9 | Rice/ <i>Oryza sativa</i> | Selection from local rice landrace C14-8 | Photo-sensitive, tall, long duration selected from local cultivar C14-8. Brown grain husk colour, 20% higher grain yield compare to original population of C14-8. High straw yield and suitable for fodder purposes. | Dr. Pankaj Kr Singh, ICAR-CIARI, Port Blair, A & N Islands | Deferred: Insufficient data. As per guidelines performance (yield contributing traits, adaptation traits, quality traits) data for at least four environments (location and year combination) under All India Coordinated Research Project (AICRP) trial/nursery tests supported with relevant extracts of |

File No.CS.11/8/2020-Seed

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| | | | | | | | the documents (e.g. comparative data of all entries tested) or verification by concerned Project Director/Project Coordinator (PD/PC) or under any other relevant system verified by Competent Authority should be produced by applicant for registration of genetic stock under ICAR-NBPGR. |
| 3. | 21091; IC0639795 INGR21112 | Wazuhophek | Rice/ <i>Oryza sativa</i> | landrace | Tolerance to sheath blight and low soil P tolerance. | Dr. V Prakasam, ICAR-IIRR, Hyderabad, Telangana | Recommended |
| 4. | 21110; IC0640647 INGR21113 | Kataribhog (Non-Basmati Aromatic Rice) | Rice / <i>Oryza sativa</i> | Land Race (Collected by Farmers Organization (Terai Research Society) and submitted to UBKV. | Low Glycemic Index Content (45.72%). | Dr. Somnath Mandal, UBKV, Coochbehar, West Bengal | Recommended |
| 5. | 21113; IC0640651 INGR21114 | CRR747-12-3- B (IET26337) | Rice / <i>Oryza sativa</i> | Vandana*4/ C101A51//IR84984- 83-15-862-B | Highly drought tolerant elite line. Resistant to blast disease. | Dr. BC Patra, ICAR-NRRI, Cuttack, Odisha | Recommended |
| 6. | 21178; IC0637523 INGR21115 | NWGR-13017 | Rice / <i>Oryza sativa</i> | (SK-20 x IET 19297)-1-1-1-2-2- 2-1 | Resistance against leaf folder. | Dr. MB Parmar, MRRS, AAU Kheda, Gujarat | Recommended |
| 7. | 21179; IC0575321 INGR21116 | Rahaspunjar (IC-575321; AC 42138) | Rice / <i>Oryza sativa</i> | Collection from farmers' field in coastal Odisha | Tolerant to salinity stress. Tolerant to stagnant flooding (both fresh and saline water). Has high anaerobic germination potential. | Dr. BC Patra, ICAR-NRRI, Cuttack, Odisha | Recommended |
| 8. | 21181; IC0640648 | Remeni Pokkali | Rice / | Selection from landrace | Tolerant to salinity at vegetative stage (12 dS m-1). | Dr. BC Patra, | Recommended |

File No.CS.11/8/2020-Seed

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| | INGR21117 | (AC 41585) | <i>Oryza sativa</i> var. indica | | Tolerant to salinity at reproductive stage (8 dS m ⁻¹). | ICAR-NRRI, Cuttack, Odisha | |
| 9. | 21209; IC0640649 INGR21118 | IET25443 (RP 4993-300-22- 18-1-4-1) | Rice / <i>Oryza sativa</i> | BPT 5204 × Chittimuthyalu | Possess micro nutrient Zn – 22.6 ppm and Fe – 3.36 ppm in polished rice grain. | Dr. CN Neeraja, ICAR-IIRR, Hyderabad, Telangana | Recommended |
| 10. | 18158; IC0631397 | TAW 33 | Wheat / <i>Triticum</i> <i>aestivum</i> | HD2385*FLW2 | High grain hardness index (important quality parameter) | Dr. BK Das, NABTD, BARC Mumbai, Maharashtra | Deferred: Should be sent for expert comments to Dr Anju Mahendru Singh and Dr Joy Kumar Roy NABI. |
| 11. | 20022; IC0640653 INGR21119 | DH-1 | Wheat / <i>Triticum</i> <i>aestivum</i> | HS 542 x China 84- 40022 | Resistant to all pathotypes of yellow rust in seedling stage. Resistant to all pathotypes of brown rust in seedling stage except for race 77-5. Resistant to yellow rust and brown rust at Adult Plant stage. | Dr. Madhu Patial, ICAR-IARI, Regional Station, Shimla, Himachal Pradesh | Recommended |
| 12. | 21149; IC0640670 INGR21120 | QLD121 | Wheat / <i>Triticum</i> <i>aestivum</i> | DPW621-50/ PBW550 | Soft grain (low grain hardness index). Low sedimentation value (38.8 ml). | Dr. Gopalareddy K, ICAR-IIWBR, Karnal, Haryana | Recommended |
| 13. | 21151; IC0640671 INGR21121 | QLD120 | Wheat / <i>Triticum</i> <i>aestivum</i> | PBW343/ VL738// PBW611/3/ 39th IBWSN1108 (SUNSU/CHIBIA) / DBW17 | Soft grain (low grain hardness index). High nutritional value [Zn (47.2 ppm), Fe (41.2 ppm) and Protein (13.01%)]. | Dr. Gopalareddy K, ICAR-IIWBR, Karnal, Haryana | Recommended |
| 14. | 21153; IC0640672 INGR21122 | QLD118 | Wheat / <i>Triticum</i> <i>aestivum</i> | 43rd IBWSN1137 (MINO/898.97) /43rd IBWSN1049 (WHEAR/SOKOL L) | Very high grain zinc (48.3 ppm) with high grain yield (56.4 (q/ha)] | Dr. Gopalareddy K, ICAR-IIWBR, Karnal, Haryana | Recommended |
| 15. | 21154; IC0640673 INGR21123 | QLD122 | Wheat / <i>Triticum</i> <i>aestivum</i> | 15th HRWSN286 (MILAN/3/PAT24/ ALD//DOVE/BUC) / CIMMYT165 | Very high grain iron (44.0 ppm) and zinc content (45.7 ppm). | Dr. Gopalareddy K, ICAR-IIWBR, Karnal, Haryana | Recommended |

File No.CS.11/8/2020-Seed

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| 16. | 21203; IC0640683 INGR21124 | HD3304 | Wheat/ <i>Triticum aestivum</i> | 3HPAN54/Zincol | High sedimentation value (73-75 ml) for greater gluten strength. | Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi | Recommended |
| 17. | 21204; IC0640684 | HD3241 | Wheat/ <i>Triticum aestivum</i> | Danphe#1*2/Solala/ 3/TacupetoF2001/Br ambling*2//Kachu | High sedimentation value (73-75 ml) for greater gluten strength. | Dr. Anju M Singh ICAR-IARI, Pusa Campus, New Delhi | Deferred: To be considered in the next meeting after receiving comment from one more expert. |
| 18. | 21136; IC0640685 INGR21125 | BHS 481 (BBM 815) | Barley / <i>Hordeum vulgare</i> | BHS369/ HBL113 | Resistant to all the pathotypes of leaf and stripe rust at seedling stage. Possesses seedling resistance against all the pathotypes of black rust except for race 117-6 (shows moderately resistant response). Adult plant resistance to yellow rust with ACI less than 10 Adult plant resistance to leaf rust (highest score=0) and stem rust (highest score=5MS) | Dr. Madhu Patial, ICAR-IARI Regional Station, Shimla, Himachal Pradesh | Recommended |
| 19. | 20242; IC0640687 INGR21126 | IML 11; IMLSB 334B-1 | Maize / <i>Zea mays</i> | CP818F2-1-2-1-1- 1-1-1#-1-1-1 | Resistant to Turcicum Leaf Blight (TLB) (Disease mean score 2.6 on the scale of 1-9) | Dr. Shyam Bir Singh, RMR&SPC ICAR-IIMR, Begusarai, Bihar | Recommended |
| Millets | | | | | | | |
| 20. | 21076; IC0640691 INGR21127 | PRB 903 | Barnyard Millet / <i>Echinochloa esculenta</i> | Selection from PRB 401 (IEC 530 from ICRISAT) | Highly Resistant to Grain Smut Disease. | Dr. Laxmi Rawat, VCSG UUHF Pauri, Uttarakhand | Recommended |
| 21. | 21080; IC0640692 INGR21128 | VL 386 | Finger Millet/ <i>Eleusine coracana</i> | GE440/VL Ragi 149 | Resistant to foot rot. Resistant to leaf blast, neck blast and finger blast. High harvest index and high grain yield | Dr. DC Joshi, ICAR-VPKAS, Almora, Uttarakhand | Recommended |

File No.CS.11/8/2020-Seed

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| 22. | 21083; IC0640693 INGR21129 | VL 399 | Finger Millet/ <i>Eleusine coracana</i> | GPU 28/VL Mandua 324 | Broad Resistance to finger blast. Broad Resistance to neck blast. | Dr. DC Joshi, ICAR-VPKAS, Almora, Uttarakhand | Recommended |
| 23. | 21084; IC0640694 | VL 360 | Finger Millet/ <i>Eleusine coracana</i> | WR 2 (Late maturing white graingenotype)/ VL 201 (early maturing brown grain genotype) | Early maturity (100 days). White grain. | Dr. DC Joshi, ICAR-VPKAS, Almora, Uttarakhand | Deferred: The referred/compared check varieties viz., GPU 67 and GPU 66 are colored grains and cannot be compared for the claimed trait. It should be compared with white grained checks and resubmitted |
| 24. | 21116; IC0640695 INGR21130 | AKGMR 118 | Sorghum / <i>Sorghum bicolor</i> | Selection from (STR 293 x AKR 426)- 20 | Grain mold field grade (1-9 scale) of AKGMR 118 is in the resistant category and also the resistant check B 58586 is also in the resistant category. Grain Mold thresh grade (1-9 scale) of AKGMR 118 is in the resistant category while the resistant check B 58586 is in highly resistant category | Dr. RB Ghorade, PDKV, Akola, Maharashtra | Recommended |
| 25. | 21123; IC0640696 INGR21131 | VS 25 | Little millet/ <i>Panicum sumatrense</i> | Pure line selection of GMPLASM 9 | Early flowering (47 days), Early maturity (71 days). | Dr. TSSK Patro, ARS Vizianagaram, Andhra Pradesh | Recommended |
| 26. | 21130; IC0640697 INGR21132 | VR 1070 | Finger Millet/ <i>Eleusine coracana</i> | Pure line selection of IE 2043 | Neck Blast Resistance. Finger Blast Resistance. | Dr. TSSK Patro, ARS Vizianagaram, Andhra Pradesh | Recommended |
| 27. | 21131; IC0640698 INGR21133 | VR 1087 | Finger Millet/ <i>Eleusine coracana</i> | Pedigree method from VL 330 x GE 532 | Neck Blast Resistance. Finger Blast Resistance. | Dr. TSSK Patro, ARS Vizianagaram, Andhra Pradesh | Recommended |

Forages

File No.CS.11/8/2020-Seed

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| 28. | 21060; IC0640645 INGR21134 | SPV2591 | Sorghum/ <i>Sorghum bicolor</i> | SGL87 x HJ513- 15-10-11-4 selfed upto F6 generation | Total soluble sugar (9.14% TSS). | Dr. DS Phogat, CCSHAU, Hisar, Haryana | Recommended |
| 29. | 21063; IC0640646 INGR21135 | SPV2671 | Sorghum/ <i>Sorghum bicolor</i> | SGL87 x S 241-1-7- 4-3 selfed upto F6 generation | Resistant to anthracnose. | Dr. DS Phogat, CCSHAU, Hisar, Haryana | Recommended |
| Grain Legumes | | | | | | | |
| 30. | 20135; IC0360831 INGR21136 | IC360831 | French Bean/ <i>Phaseolus vulgaris</i> | Selection from DARL/SK/1493/ | Resistant to BCMV disease. | Dr Basavaraja T ICAR-IIPR, Kanpur, Uttar Pradesh | Recommended |
| 31. | 20237; EC267301 INGR21137 | EC267301 | Chickpea/ <i>Cicer arietinum</i> | P-6223 | Ascochyta blight resistance. | Dr. Gayacharan, ICAR-NBPGR, Pusa Campus, New Delhi | Recommended |
| 32. | 21011; IC248147 INGR21138 | IC248147 | Chickpea/ <i>Cicer arietinum</i> | FLIP 85-32 | Ascochyta blight resistance | Dr. Gayacharan, ICAR-NBPGR, Pusa Campus, New Delhi | Recommended |
| 33. | 21111; IC0640701 INGR21139 | VRPSel-17 (No-17) | Pea / <i>Pisum sativum</i> subsp. <i>hortense</i> | Selection from germplasm line | A versatile vegetable pea genotypes bearing single flower per peduncle on all the floral nodes | Dr. Jyoti Devi, ICAR-IIVR, Varanasi, Uttar Pradesh | Recommended |
| 34. | 21043; IC0636671 INGR21140 | IPFD 18-14 | Pea / <i>Pisum sativum</i> | DDR 23 x VRP 22 | Extra early flowering. Early maturity. Yellow cotyledon. | Dr. AK Parihar, ICAR-IIPR, Kanpur Uttar Pradesh | Recommended |
| 35. | 21051; IC0640699 INGR21141 | IPC 2020-198 | Chickpea / <i>Cicer arietinum</i> | IPC 2006-88 (<i>Cicer arietinum</i>)/ ILWC 179 (<i>Cicer echinospermum</i>) | Three seeds per pod in ~30% pods per plant with a mean of 2.62 seeds/ pod. Bushy plant architecture with semi erect canopy and basal branching | Dr. Biswajit Mondal, ICAR-IIPR, Kanpur, Uttar Pradesh | Recommended |

File No.CS.11/8/2020-Seed

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| | | | | | pattern. Derived from wide hybridization of <i>Cicer arietinum</i> and <i>Cicer echinospermum</i> (donor). Seeds are yellow, angular in shape and small in size (13.7 g hundred seed weight) | | |
| 36. | 21067; IC0640700 INGR21142 | ICC12315 | Chickpea / <i>Cicer arietinum</i> | Selection from H76-49, collected from Haryana, India | Tolerance to post emergent herbicide Imazethapyr (1.5X @ 150g a.i./ ha.) with > 85% of survival and seed setting. Minimum phenological shift in the crop growth with respected to the unsprayed control. Matures in 127-130 days with the unsprayed crop with <5% yield penalty. | Dr. Biswajit Mondal, ICAR-IIPR, Kanpur, Uttar Pradesh | Recommended |
| 37. | 21081; IC0251372 INGR21143 | IC0251372 | Vigna/ <i>Vigna glabrescens</i> | Local Collection | Photo-period insensitive. Thermo-period insensitive. | Dr. Aditya Pratap ICAR-IIPR, Kanpur, Uttar Pradesh | Recommended |
| 38. | 21103; IC272450 INGR21144 | ICC15925 | Chickpea / <i>Cicer arietinum</i> | Germplasm line | Heat tolerant. | Dr. Uday Chand Jha, ICAR-IIPR, Kanpur, Uttar Pradesh | Recommended |
| Vegetables | | | | | | | |
| 39. | 20165; IC0635410 INGR21145 | IC635410 | Bottle gourd/ <i>Lagenaria siceraria</i> | Selection from open pollinated population bg-114 | Resistant to gummy stem blight. Short cylindrical fruit | Dr. Dhananjaya MV, ICAR-IIHR Bengaluru, Karnataka | Recommended |
| 40. | 20171; IC0635411 INGR21146 | 635411/ BG-114-3/ | Bottle gourd/ <i>Lagenaria siceraria</i> | Selection from an open pollinated population maintained in the germplasm | Resistant to gummy stem blight medium cylindrical fruit. | Dr. Dhananjaya MV, ICAR-IIHR Bengaluru, Karnataka | Recommended |

File No.CS.11/8/2020-Seed

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| 41. | 20173; IC0635413 INGR21147 | 635413/ BG-6-3/ | Bottle gourd/ <i>Lagenaria</i> <i>siceraria</i> | Selection from open pollinated population bg-6 | Resistant to powdery mildew, elongated straight | Dr. Dhananjaya MV, ICAR-IIHR Bengaluru, Karnataka | Recommended |
| 42. | 20176; IC0635412 INGR21148 | IC0635412/ BG-95/ | Bottle gourd/ <i>Lagenaria</i> <i>siceraria</i> | Selection from an open pollinated population maintained in the germplasm | Resistant to gummy stem blight, round shaped fruit | Dr. Dhananjaya MV, ICAR-IIHR Bengaluru, Karnataka | Recommended |
| 43. | 17030; IC0640702 INGR21149 | VRT12-2-3-1 (HCP/YSR-2/) | Tomato / <i>Solanum</i> <i>lycopersicum</i> | Tomato genotype 'VRT12-1-3-2' 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 (ToLCV). Ty-3 gene carrying line with uniform ripening fruits. It has greater combining ability | Dr. Yerasu Reddy, ICAR-IIVR, Varanasi, Uttar Pradesh | Recommended |
| 44. | 21026; IC0637249 INGR21150 | VRT2-2-3-1 (HCP/YSR-2/) | Tomato / <i>Solanum</i> <i>lycopersicum</i> | Tomato genotype 'VRT2-2-3-1' was developed through marker assisted selection from F2 populations of a cross between FLA478-6-1-11 × CLN2498C and | Broad spectrum resistance to Tomato leaf curl virus (ToLCV). Ty-3 gene carrying tomato elite line with green fruit shoulder. It has greater combining ability | Dr. Yerasu Reddy, ICAR-IIVR, Varanasi, Uttar Pradesh | Recommended |

File No.CS.11/8/2020-Seed

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| | | | | FLA478-6-1-11 × CLN1621E. The lines CLN2498C and CLN1621E carry Ty-2 gene. The line FLA478-6-1-11 carries Ty-3 gene. | | | |
| 45. | 21128; IC0637252 INGR21151 | VRT6-1-4 (HCP/YSR-5/) | Tomato / <i>Solanum lycopersicum</i> | The tomato genotype 'VRT6-1-4' 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 (ToLCV). Ty-2 and Ty-3 gene pyramided line. Uniform ripening fruits. | Dr. Yerasu Reddy, ICAR-IIVR, Varanasi, Uttar Pradesh | Recommended |
| 46. | 21129; IC0637253 | 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 × | 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 | Deferred: To be considered in the next meeting after receiving comment from one more expert. |

File No.CS.11/8/2020-Seed

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| | | | | 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. | | | |
| 47. | 21168; IC0640703 INGR21152 | Selection-24 | Tomato / <i>Solanum lycopersicum</i> | Selection from the segregating population of Pusa Gaurav | Dwarf plant. | Dr. Swati Saha, ICAR-IARI RS Pune, Maharashtra | Recommended |
| 48. | 21059; IC0640704 INGR21153 | CARI Brinjal 2 | Brinjal/ <i>Solanum melongena</i> | Pusa purple long/ CARI Brinjal 1 | Resistant to bacterial wilt disease caused by <i>Ralstonia solanacearum</i> . Fruit is medium in size, oblong in shape and purple in colour; average no. of fruits/ plant is 7.0 with fruit weight of 76.25 g. Fruit yield of the variety is 16.0 t/ha during dry season of Rabi under Andaman Island conditions; suitable for growing in rain-fed conditions of tropical islands. | Dr. Pankaj Kumar, ICAR-CIARI, Port Blair, A & N Islands | Recommended |
| 49. | 21094; IC0631915 INGR21154 | NPC-3 | Chilli / <i>Capsicum annuum</i> | Mutant selection in the M3 population of 0.4% EMS treated Byadgi dabbi chilli lines | Stalk less ness or non-persistent calyx in red ripened fruit of chilli. Erect bearing habit. High yield. | Dr. PS Ajjappalavara, HREC, Haveri, Karnataka | Recommended |
| 50. | 21096; IC0631916 INGR21155 | NPC-5 | Chilli / <i>Capsicum annuum</i> | Mutant selection in the M3 population of 0.4% EMS | Stalk less ness or non-persistent calyx in red ripened fruit of chilli. Pendent bearing habit. | Dr. PS Ajjappalavara, HREC, Haveri, Karnataka | Recommended |

File No.CS.11/8/2020-Seed

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| | | | | treated Byadgi dabbi chilli lines | High yield and resistant to chilli leaf curl complex | | |
| Oilseeds | | | | | | | |
| 51. | 21184; IC0640705 INGR21156 | TCGS-1862 | Groundnut / <i>Arachis hypogaea</i> | KDG-128 x NRCG- CS-425 | Small size leaves with dark green. Leaves remain green up to harvest (stay green character). Resistant to stem rot, late leaf spot and rust. | Dr. K John, IFT RAS, Tirupati, Andhra Pradesh | Recommended |
| 52. | 21193; IC0640706 | TCGS-2117 | Groundnut / <i>Arachis hypogaea</i> | K-6 x BHEEMA | Large (bold) seeded and confectionery/table purpose genotype. More sucrose content (2.63%). More 100 kernel weight 110g. | Dr. K John, IFT RAS, Tirupati, Andhra Pradesh | Deferred: For want of more data. The germplasm is recommended for registration for high sucrose content, but high sucrose content reported generally is more than 4 percent. Second is 100 kernel weight, but data for 100 kernel weight for 4 seasons is not given. |
| 53. | 21068; IC0638880 INGR21157 | ICS-200 | Castor/ <i>Ricinus communis</i> | VP-1 x 48-1 | Resistance to Leafhopper (<i>Empoasca flavescens</i>). Resistance to Thrips (<i>Scirtothrips dorsalis</i>). | Dr. T Manjunatha, ICAR-IIOR Hyderabad, Telangana | Recommended |
| 54. | 21192; IC0640708 INGR21158 | DRMRHT-13- 22-10 | Indian Mustard / <i>Brassica juncea</i> | JN032 X BPR549-9 | Heat tolerant at juvenile stage under field conditions | Dr. Bhagirath Ram, ICAR-DRMR, Bharatpur, Rajasthan | Recommended |
| Medicinal & Aromatic Plants | | | | | | | |
| 55. | 19051; IC0640709 INGR21159 | Jor Lab KH-2 | Black Zedoary/ Black turmeric / <i>Curcuma caesia</i> | PRJ CC: 178 | The rhizome essential oil content on fresh weight basis is more than 0.8%. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |
| 56. | 19052; IC0640710 INGR21160 | Jor Lab CZ-6 | Narkachur / <i>Curcuma zeodaria</i> | PRLJ Z 106 | Rhizome essential oil content on fresh weight basis is more than 0.6%. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |

File No.CS.11/8/2020-Seed

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| 57. | 21186; IC0633577 INGR21161 | Jor Lab SK-154 | Nightshades/ <i>Solanum khasianum</i> | SK-154 | The germplasm having the white color berries. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended: Photograph will be provided after flowering season |
| 58. | 21187; IC0633426 INGR21162 | Jor Lab SK-3 | Nightshades/ <i>Solanum khasianum</i> | SK-3 | High solasodine contained in the fruits more than 1.30 %. The range of solasodine content in the fruits was 1.19%- 1.37%. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |
| 59. | 21188; IC0633547 INGR21163 | JOR LAB SK-124 | Nightshades/ <i>Solanum khasianum</i> | Churachandpur Manipur | Thornless leaves and stem. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |
| 60. | 21189; IC0633432 INGR21164 | JOR LAB SK-9 | Nightshades/ <i>Solanum khasianum</i> | SK-9 | Red color berries at ripening stage | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |
| 61. | 21190; IC0640711 INGR21165 | JOR LAB ZB-103 | Ginger/ <i>Zingiber zerumbet</i> | RRL ZH: 305 | The identified germplasm has high essential oil yielding characteristics. The average rhizome essential oil was found to be 0.75% on fresh weight basis. | Dr. Mohan Lal, CSIR-NEIST, Jorhat, Assam | Recommended |
| Ornamentals | | | | | | | |
| 62. | 21138; ICO624508 INGR21166 | IIHRJ3-2 | China Aster / <i>Callistephus chinensis</i> | Arka Kamini x Local White | Flower colour (Red Purple group, 65D, Fan 2) Long flower stalk (47.67 cm). Long vase life (10.11 days). | Dr Rajiv Kumar, ICAR-IIHR, Bengaluru, Karnataka | Recommended |
| Spices | | | | | | | |
| 63. | 21058; IC0640712 INGR21167 | CZC-94 | Cumin/ <i>Cuminum cyminum</i> | Single Plant Identified In 2017, and is Denominated as Cazri Cumn 94 | Flowering primordia initiation in 30 days , days to flowering initiation is 40 days and genotypes matures in 100 days under normal condition | Dr. Rajesh Kr Kakani, ICAR-CAZRI, Jodhpur, Rajasthan | Recommended |
| Fruits & Nuts | | | | | | | |

File No.CS.11/8/2020-Seed

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| 64. | 21126; IC0635379 INGR21168 | IC0635379 | Jamun/ <i>Syzygium cumini</i> | Collection from Shimoga Karnataka | Seedless. | Dr. PC Tripathi, ICAR-IIHR, Bengaluru, Karnataka | Recommended |
| Tuber Crops | | | | | | | |
| 65. | 21139; IC0640713 INGR21169 | MSH/14-7 | Potato / <i>Solanum tuberosum</i> | MSH/14-7 [Kufri Garima × Bulk pollen of somatic hybrids (<i>S. tuberosum</i> + <i>S. pinnatisectum</i>)] | Interspecific somatic hybrid-derived clone MSH/14-7 [cv. Kufri Garima × Bulk pollen of somatic hybrids (<i>S. tuberosum</i> + <i>S. pinnatisectum</i>)] with wider genetic base. High yield combined with moderate resistance to late blight under field condition. | Dr. JK Tiwari ICAR-CPRI, Shimla Himachal Pradesh | Recommended |
| 66. | 21140; IC0640714 INGR21170 | CPH62 | Potato / <i>Solanum cardiophyllum</i> | <i>Solanum cardiophyllum</i> (Acc. no. PI283062) | Highly resistant to late blight disease. Diploid species with diverse genetic base. Suitable for protoplast fusion and somatic hybrid development. | Dr. JK Tiwari ICAR-CPRI, Shimla Himachal Pradesh | Recommended |
| 67. | 21141; IC0640715 INGR21171 | PNT43 | Potato / <i>Solanum pinnatisectum</i> | <i>Solanum pinnatisectum</i> (Acc. no. CGN17443) | Highly resistant to late blight disease. Diploid species with diverse genetic base. Suitable for protoplast fusion and somatic hybrid development. | Dr. JK Tiwari ICAR-CPRI, Shimla Himachal Pradesh | Recommended |
| 68. | 21142; IC0640716 INGR21172 | STO61 | Potato / <i>Solanum stoloniferum</i> | <i>Solanum stoloniferum</i> (Acc. no. PI225661) | Highly resistant to late blight disease. Diploid species with diverse genetic base. | Dr. JK Tiwari ICAR-CPRI, Shimla Himachal Pradesh | Recommended |
| 69. | 21143; IC0640717 INGR21173 | MSH/17-16 | Potato / <i>Solanum tuberosum</i> | Kufri Garima × Crd10 [Kufri Garima is common | Interspecific somatic hybrid-derived potato hybrid [cv. Kufri Garima × somatic hybrid | Dr. JK Tiwari, ICAR-CPRI, Shimla | Recommended |

File No.CS.11/8/2020-Seed

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| | | | | potato variety and 'Crd10' is an interspecific potato somatic hybrid developed by protoplast fusion between <i>Solanum tuberosum</i> dihaploid 'C-13' and wild <i>Solanum cardiophyllum</i>] | 'Crd10' (<i>S. tuberosum</i> + <i>S. cardiophyllum</i>] with wider genetic base. Yellow tuber flesh colour hybrid with high carotenoids content. | Himachal Pradesh | |
| 70. | 21144; IC0640718 INGR21174 | NUE/15-8 | Potato / <i>Solanum tuberosum</i> | Kufri Jyoti × Kufri Gaurav (Both the parents are common potato varieties) | High nitrogen use efficiency traits such as NUE, Agronomic NUE (AgNUE), Nitrogen Uptake Efficiency (NUPE), and Nitrogen Utilization Efficiency (NUtE). High yield under low nitrogen (50 kg N/ha) supply under field conditions and suitable for low input agriculture | Dr. JK Tiwari ICAR-CPRI, Shimla Himachal Pradesh | Recommended |

Summary of Deferred Proposals of previous PGRC Meeting with Recommendations

| S. No. | App. No./ National Id. | Other Identity | Crop/ Botanical Name | Pedigree | Potentially valuable features | Corresponding author | Recommendations of PC/PD/Expert |
|--------|---|----------------|--|--|--|--|---------------------------------|
| 1. | 18121; IC0628063 INGR21175 | RGM 49 | Sunflower/ <i>Helianthus annuus</i> | Pedigree selection from a cross between GM49 and RCR1947/3-2 | Resistant to Powdery mildew (PDS<10%). | Dr. Vikas V Kulkarni, MARS, UAS Raichur, Karnataka | Recommended |

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