ANNUAL REPORT 2024 - 2025

PPVFRA

Protection of Plant Varieties and Farmers' Rights Authority

(A Statutory Authority Created by an Act of Parliament)

Department of Agriculture & Farmers Welfare

Ministry of Agriculture and Farmers Welfare, Government of India

Plant Authority Bhawan, Dev Prakash Shastri Marg, Near NASC Complex,
Opposite Todapur Village, New Delhi-110012
Phone: 011-25848127, 25843316

www.plantauthority.gov.in

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Preface



"While I was conducting experiments to make 'spineless' cacti, I often talked to the plants to create a vibration of love. 'You have nothing to fear,' I would tell them. 'You don't need your defensive thorns. I will protect you.' Gradually the useful plant of the desert emerged in a thornless variety."

(Luther Burbank as stated to Paramhansa Yogananda in Autobiography of a Yogi)

Plant Breeding is a science that involves knowledge, creativity, passion and love. Luther Burbank considered the entire humanity as one vast plant with intelligent crossing and selection. He even considered his daughter as a living plant. He used to say "A flower is an educated weed." This quote reflects his belief in the transformative power of cultivation and selection, suggesting that through human effort, any wild plant or weed could be refined and improved into something valued like a flower for human utility. The importance of plant breeding lies in these words.

To me every farmer in India is a Luther Burbank standing on field, conserving, improving through selection and acting as custodian, saviour and donor of genes for varietal development. Registration of their varieties and protection of other rights of the farmers as per the provisions of the PPVFR Act, 2001 have great significance in this country. All plant variety developers, besides farmers are encouraged to protect their varieties, which are their intellectual property. The registration of Plant Varieties varieties registered under PPVFR Act, 2001 facilitate farming and impacts production as the capital invested on R&D of high value seeds and propagating material gains higher returns. There is no doubt, that PPVFR Act, 2001 has a role to play in improving the agriculture and ensuring food and nutritional security of this country.

This year was marked with a landmark event. The long cherished dream of having own building for PPVFR Authority came true. The Authority office shifted to its own building 'Plant Authority Bhawan' (PAB) with effect from 1st July, 2024. A majestic and elegant eight storeyed building standing tall to cater to the present and future needs of the Authority. Efforts are on to house the Gene Bank of PPVFR Authority in the PAB shortly.

This year recorded one of the highest number of registration certificates (1720) which is another milestone in the history of plant variety registration in India. In total, 652 candidate varieties representing 59 crop species were tested for DUS characterisation and evaluation at 54 DUS test centres throughout the country. The process of creating a cadre for technical officers of PPVFR Authority and providing promotional opportunities to them is being vigorously worked out. The Authority had two meetings. Six crop species were notified for registration during the reporting period. Further several crop species are in the pipe line for notification. Three Branch Offices of the Registry at Palampur, Pune and Shivamoggga were notified as Branch Offices of the Authority to facilitate ease of administration and convenience. Further my long term vision for utilising National Gene Fund for conservation of traditional and farmers varieties is to expected to materialise as the Committee constituted for this purpose has submitted its report.

I express my sincere thanks to the Hon'ble Minister of Agriculture and Farmers' Welfare for his valuable guidance. I also thank Sh. Devesh Chaturvedi, Secretary, Ministry of Agriculture & Farmers Welfare for his support in many possible ways without which the smooth functioning of the Authority would not have been possible. I also thank Smt. Shubha Thakur, Additional Secretary (Seeds), Sh. Ajeet Kumar Sahu, Joint Secretary (Seeds) and the Seed Division of the nodal department for their immense support in administrative and financial matters. I also place on record the role played by ICAR/SAUs in collaborating with the Authority in carrying out its mandated technical functions.

I am thankful to all the esteemed Members of the Authority, Dr. D.K. Agarwal, Registrar-General and other officers of the Authority for their active involvement in Authority functions. I acknowledge the co-operation, support and active involvement of all officers and staff of PPVFR Authority who were instrumental in carrying out the mandated activities of the Authority.

(T. Mohapatra)
Chairperson
PPVFR Authority, New Delhi

Acknowledgements



It is with the deep sense of obligation and privilege that I place on record my boundless gratitude to Dr. T. Mohapatra, Chairperson, PPVFR Authority for his dynamic and vibrant leadership, and for playing a pivotal role in guiding and supporting the Authority to accomplish its assigned duties and tasks and surpassing many milestones in the process. I also thank all the ICAR Institutes/SAUs/Seed Industry in making this period under reporting a memorable one as a record of 1720 registration certificates have been issued. I thank each and every member of the Authority who were instrumental in deciding several important decisions of the Authority. I must thank ICAR for whole hearted support in discharging the technical functions of the Authority without their support it would not have been possible in conducting DUS test and grant registration, frame DUS guidelines and notify DUS test centres. I also thank officials of ICAR Institutes and SAUs in discharging the statutory duties as DUS test centres of Authority. I thank all Principal Investigators of DUS test centres without their timely output the publication of this report would not have been possible. I also thank Sh. Devesh Chaturvedi, Secretary, Ministry of Agriculture & Farmers Welfare, Smt. Shubha Thakur, Additional Secretary (Seeds), Ministry of Agriculture & Farmers Welfare and Sh. Ajeet Kumar Sahu, Joint Secretary (Seeds) and the officials of Nodal Seed Division for their day to day support in the efficient functioning of this Authority. UPRNN who were involved in the construction of Plant Authority Bhawan. I also acknowledge the efforts and inputs of officers of the Authority namely, Shri. Vipin Tyagi, Financial Advisor, Shri. Dipal Roy Choudhury, Registrar, Sh. U.K. Dubey, Joint Registrar. I also acknowledge the efforts of Dr. A.K. Singh, Deputy Registrar and Dr. D.S. Pilania, Plant Variety Examiner, PPVFRA. I also thank Sh. Raj Ganesh, Legal Advisor and his team Shri. Arun Kumar, Legal Advisor and Legal Cell for coordinating in compiling and publishing this report. I also thank Dr. Ravi Prakash and Dr. Ram Avatar Sharma, Technical consultants and Dr. Pragya Shukla, PVERA for assisting in this compilation. I also thank Dr. A.C. Sharma and Dr. S.C. Singh and other staff of Branch Offices. I am also thankful to all the project staff and other contractual persons engaged at Authority Hqs. and its Branch Offices for performing their assigned job with utter dedication and sincerity. I thank one and all involved in the publication of this report.



(D.K. Agarwal)
Registrar-General
Protection of Plant Varieties & Farmers' Rights Authority, New Delhi

Executive Summary

The "Protection of Plant Varieties and Farmers' Rights Act" (53 of 2001) is a unique Act which fulfils the spirit of International Treaty on Plant Genetic Resources for Food & Agriculture. It also strikes a balance between the rights to breeders and the farmers as per the national requirement. The Authority, since its establishment in the year 2005, has been consistently improvising the system of registering the plant varieties, connecting the stakeholders, encourage innovation in seed sector, acknowledge the contribution by the farmers/communities towards conservation of plant genetic resources and making them available to plant breeders.

Till the time of going for printing, the Government of India has notified 203 crop species on the recommendations of PPVFR Authority for plant variety registration. During the reporting period, the Authority notified Sponge gourd, Curry leaf, Ailanthus, Dahlia, Broccoli, Lemon Grass and Chilli, Paprika and Bell Pepper During 2024-25, total of 1570 applications were received for registration from both public and private as well as farmers' under different categories. Highest number of applications is received for Rice (341) followed by Maize (141), Jackfruit (105), Okra/Lady's Finger (15), Cucumber (12), Pumpkin (12), Pearl Millet (9) and Tomato (9).

In the year 2024-25, a total of 1720 certificates of registration were issued. The highest was in the category of the Farmer Variety (1133) followed by New (261), Extant VCK (209), and Extant Notified (117). Similarly, highest number of certificates were issued for cereals (794) followed by Legumes (275), fibre crops (197), vegetables (148), fruits (139), oilseeds (95), and spices (52).

The Legal Cell of the Authority pursued the cases filed in different Courts. During the reporting period, out of 23 cases 3 cases were disposed of. The Notifications published in the Gazette of India were: Notification **S. O. 1841 (E)** dated **30th April, 2024** regarding notification of Centres U/s 41 of PPV&FR Act, 2001 and Notification **S.O. 4829 (E)** dated **6th November, 2024** regarding 6 crop-species sponge gourd, curry leaf, ailanthus, dahlia, broccoli and lemon grass for the purpose of registration.

During the period under report 652 candidate varieties representing 59 crop species were tested for DUS characterization and evaluation at 54 centres in the country. These centres are established at locations most suitable either under Central Government or State Government owned agricultural universities comprising the ICAR, CSIR, SAU or CAU.

The Authority has received Rs.3713.02 lakh as grants-in-aid from Department of Agriculture and Farmers' Welfare, during the year 2024–25 and utilized Rs.4002.65 lakh after adjusting unspent balance of Rs.786.98 lakh of previous year, leaving a balance of Rs.497.35 lakh. The Annual Account of the Authority was audited and submitted to CAG within prescribed time schedule.

The Annual Report of Authority is being forwarded under Section 85 of the Act.

1: Introduction

Plant varieties are vital for the survival of human beings and livestock as they serve as source of food, fibre, fodder, forest and raw materials for domestic households and industries in any society. Even before the science of genetics was discovered in late 19th Century, the scientific foundation of plant breeding science and techniques, human beings began cultivating plants for a purpose of harvesting its product for survival, the farmers have practiced plant breeding improving the crop generation after generation by evaluating the performance and expression of the plant population they are growing. The farming community and forest dwellers, nurtured existing diversity as is how is to select for better plant type and yield from within the available adapted naturalized plant varieties such as land races to produce plants of use since millennia. As the science of genetics and plant breeding evolved, formally trained plant breeders collected genetic diversity through exploration in biodiversity rich zones, used different tools to increase values for cultivation. It is these plant breeders whose ingenious skill to detect variability, work out the genetics behind such variability and accordingly strategise the breeding methods enabled development of new plant varieties, different and better than the previously existing ones. Therefore, the Plant Breeders' Right is one of the most crucial intellectual property rights in any society as food is basic requirement for both developed and developing societies. These rights granted to the plant breeders are therefore a means to recognise their contributions that results in the creation of an ecosystem that sustains innovation continuum. Such a system can establish a mechanism to exert responsible stewardship over germplasm, support long term research and development that would be crucial to enhance agricultural productivity in the form to incentivisation of plant breeding in public and private sectors while promoting the industry to competitively provide high quality seeds as well as planting materials to farmers.

Although ancient Indian history reveals records of naming of a plant variety by either the individual or commune or village native to the variety, in legal terms, the first formal enforcement of Intellectual Property Rights (IPRs) in plants used in agriculture came about in the form of the "*Plant Patent Act*, 1930" in USA which was followed in Europe by the formation of the *Union Internationale pour la Protection des Obtentions Végétales* (UPOV) or the International Union for the Protection of New Varieties of Plants in 1961 at Europe which was subsequently revised in 1972, 1978 and 1991. Presently, there are 78 member states as part of the UPOV convention including regional associations like EU, OAPI. India has not acceded to the UPOV Convention but is listed in the category of observer in the UPOV.

Plant varieties protection through Plant Breeder's Rights was brought into major focus by the General Agreement on Tariffs and Trade (GATT), a multilateral instrument governing international trade. GATT negotiations in Uruguay Round led to the establishment of World Trade Organisation (WTO) in 1995. Article 27.3(b) of the Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPs) under WTO, provides that members shall provide for the protection of plant varieties, either by patents or by an effective *sui generis* system or by any combination thereof.

The Government of India enacted the *Protection of Plant Varieties and Farmers' Rights (PPVFR) Act* in 2001 (53 of 2001) to provide for the establishment of an effective *sui generis* system for

protection of plant varieties, the rights of farmers and plant breeders and to encourage the development of new plant varieties of economic importance.

PPVFR Rules were notified on 12 September, 2003 and amended from time to time, thereafter. Subsequently, for the purposes of the Act, the Government of India having exercised the powers conferred under the section 3 (1) of this Act, established the Protection of Plant Varieties and Farmers' Rights Authority on 11 November, 2005, vide Gazette notification S.O. 1588(E).

1.1 OBJECTIVES OF THE PPVFR ACT, 2001

Following are the objectives of the Act:

- To establish an effective system for protection of plant varieties, the rights of farmers and plant breeders and to encourage the development of new varieties of plants.
- To recognize and protect the rights of the farmers in respect of their contribution made at any time in conserving, improving and making available plant genetic resources for the development of new plant varieties.
- To protect plant breeders' rights to stimulate investment for research and development both in the public and private sector for development of new plant varieties.
- To facilitate the growth of seed industry in the country that will ensure the availability of high-quality seeds and planting material to the farmers.

1.2 SALIENT FEATURES OF THE ACT

The PPVFR Act is based on the option under TRIPS Agreement for a member country to protect the rights of plant breeders *sui generis* system by enactment by legislation if they would not opt for UPOV (International Union for Protection of New Varieties of Plants, Geneva) Convention, and is also unique in the sense that it concurrently recognizes the rights of plant breeders, farmers (including their right as plant breeders), farming communities and researchers who breed new varieties as well as those already bred and existing prior to protection (extant). It confers exclusive rights upon the breeder or his successor, his agent or licensee, to produce, sell, market, distribute, import or export of the registered variety. As far as farmers' rights are concerned, the Act recognizes a farmer as cultivator, conserver and breeder and provides that the farmers' variety can also be registered. Further, the Act provides for compulsory license of a registered variety, if the seeds/propagating material is not available to the public at a reasonable price or quantity. Any person or group of persons or any organization can also claim for benefit sharing, if the plant genetic material belonging to them is used in the development of a registered variety. The researchers are conferred the right to use any registered variety for conducting experiment or research and the use of a variety by any person as an initial source of variety for the purpose of creating the other varieties. India is a pioneer country where a national legislation has been enacted to establish and secure Farmers' Rights. The Act also recognizes the past, present and future contributions of the farming communities and provides an opportunity for the award to farming communities/farmers for their contributions in agro-biodiversity conservation.

1.3 PPVFR AUTHORITY

The PPVFR Authority is a Statutory Body established by the Parliament of India through the PPVFR Act of 2001. The Authority is a body corporate, having perpetual succession and a common seal with the power to acquire, hold and dispose of movable and immovable properties and to contract, and shall by the said name sue and be sued. The head office of the Authority is at New Delhi and with effect from 1st July, 2024, it is functioning from its own building 'Plant Authority Bhawan' near Todapur at New Delhi. The Authority consists of a Chairperson and fifteen members as on 31st March, 2025 (Annexure-I).

1.4 PLANT VARIETIES REGISTRATION

The PPVFR Authority has finalized the Distinctiveness, Uniformity and Stability (DUS) test guidelines for registration of 203 crop species (Annexure-VII). The Authority has issued 1720 (Annexure-VIII) certificates of registration for plant varieties (under new, extant and farmers' variety category) during the reporting year 2024-25. To facilitate more applications seeking plant varieties protection from different stakeholders, the Authority regularly organizes/supports awareness and capacity building programmes.

The PPVFR Authority has also established network of DUS test centres across the country under the Central Sector Scheme for the implementation of PPVFR Act, 2001, to verify the claims of candidate varieties by applicants, maintenance breeding, multiplication of reference/example varieties/ the varieties notified under section 5 of the Seeds Act, 1966, and generation of database for varietal characteristics as per crop specific DUS (Distinctiveness, Uniformity and Stability) guidelines. In addition, DUS tests for the candidate varieties are being conducted at crop specific centres. The data recorded as per the DUS test guidelines is submitted by these centres to Authority for further analysis. The Authority, in consultation with the ICAR institutes and SAUs has identified potential crop species of economic importance and supports projects for the development of the DUS guidelines. The Authority has established its National Gene Bank, field gene banks across the country. It regularly publishes *Plant Variety Journal of India* and maintains the National Register of Plant Varieties at Headquarters and also its branch offices.

1.5 CATEGORIES OF PROTECTION OF PLANT VARIETIES

The process of granting protection to a plant variety through plant breeders' rights as enshrined in the Act is based on a broad principle of internationally recognized system of DUS and novelty for a new variety. Any person can apply for registration in any of the following:

- **New variety** of such genera and species as specified under section 29(2) of the Act.
- **Extant variety** (To a limited period after the species is notified (in the case of new and VCK varieties) as announced time to time by the Authority)
  - Notified under section 5 of Seeds Act, 1966,
  - Variety of common knowledge (VCK),
  - Farmers' variety
  - Traditionally cultivated and evolved by the farmers in their fields,

- Wild relative or landrace of a variety about which the farmers possess common knowledge.

- **Essentially derived variety (EDV)**
  A variety predominantly derived from an initial variety, or from a variety that itself is predominantly derived from such initial variety, while retaining the expression of the essential characteristics that result from the genotype or combination of genotypes of such initial variety.

1.6 FARMERS' RIGHTS

The Act, also provides following rights to the farmers that is unique only to India among all signatories to TRIPS and WTO and the sole reason for India not acceding to UPOV Act 1991:

- *Right to register their varieties*: A farmer who has bred or developed a new variety is entitled for registration and other protection as a plant breeder under this Act.
- *Right on seed*: A farmer is entitled to save, use, sow, resow, exchange, share or sell his farm produce including seed of a variety protected under this Act; provided that the farmer is not entitled to sell branded seed of a variety protected under this Act.
- *Right for reward and recognition*: A farmer or community of farmers engaged in the conservation and improvement of plant genetic resources (landraces and wild relatives of economic plants) are entitled for the Plant Genome Saviour Award, Reward and Recognition, provided their plant material has been used in development of varieties registrable under this Act.
- *Protection of innocent infringement*: If a farmer being, infringed according to section 65 of PPVFR Act, 2001, can prove before court that he or she was not aware of the existence of such rights at the time of infringement; he or she will not be charged.
- *Fee Exemption*: A farmer or group of farmers are not liable to pay any fee payable for inspection of any document or for obtaining a copy of any decision or order or document under this Act. Farmers have the privilege of being completely exempted from payment of any kind of fees or other payments that are normally payable for variety registration; testing of varieties and other services rendered by the PPVFRA; as well as for legal proceedings related to infringement or other cases in courts, tribunal etc.
- *Reasonable Seed Price*: Farmers have the right to access seed of registered varieties at a reasonable and remunerative price. When this condition is not met, the breeder's exclusive right over the variety can be revoked under the provision concerning compulsory licensing, and the breeder is obligated to license the seed production, distribution and sales of the variety to any competent person. Most of the laws for plant varieties protection have provisions on compulsory licensing of protected varieties to ensure adequate seed supply to farmers.
- *Authorization of farmers' variety*: In the development of an essentially derived variety from a farmer's variety and its commercialization. The authorization should be given with the consent of the farmer or group of farmers who have contributed in the conservation or development of such a variety. Such a process can allow farmers to negotiate the terms of authorization with the breeders, which may include royalties, benefit-sharing etc.

- *Right for compensation*: When any propagating material of a variety registered under this Act has been sold to a farmer, the breeder of such variety should disclose the expected performance under given conditions. If the propagating material fails to provide such performance under such given conditions, the farmer can claim compensation before the Authority. The Authority would then notify the breeder of the variety the issue and after providing him an opportunity to file an opposition, may direct the breeder to pay compensation to the farmer as it deems fit.

The Registry of the Authority facilitates the IPR registration of farmers' varieties by equating the farmers to plant breeders as empowered by the Act, conducts country-wide training-cum-awareness programmes, and identifies farmers and farmer communities for their contribution towards conserving germplasm and developing new varieties.

1.7 PLANT BREEDERS' RIGHTS

Registration gives exclusive rights to produce, sell, market, export or imports the variety along with its denomination. This right is subject to farmers' rights that farmers can use seeds of registered varieties in an unbranded manner.

Breeders' Right is one of the pivotal provisions of this Act with far reaching implications in the context of Indian agriculture and global scenario. The breeder also enjoys provisional protection of his/her variety against any abusive act committed by any third party during the period between filing of application for registration and the final decision taken by the Authority. Similarly, researcher's rights are also granted. However, for repeated use of a registered variety as an initial source of variety for the purpose of developing a new variety, the authorization of the breeder of the registered variety is necessary.

1.8 REGISTRATION OF PLANT VARIETIES

An application for registration of a plant variety and its denomination can be made under the following categories:

- **New Variety:** On the date of filing of application for registration if the variety has been commercialized for period of less than one year then it is a new variety.
- **Extant Variety:** Consist of the following categories namely:
  - **Extant variety notified under section 5 of Seeds Act, 1966:** Varieties notified under Section 5 of Seeds Act, 1966 are eligible for registration under this category
  - **Farmers' variety:** Traditionally cultivated and evolved by the farmers in their fields and includes wild relative or land race or a variety about which the farmers possess common knowledge.
  - **Variety of Common Knowledge (VCK):** which are not notified under Section 5 of Seeds Act, 1966 and are in commercial chain for more than a year.
- **Essentially Derived Variety:** A variety pre-dominantly derived from an initial variety and should fall either under new or extant category.

1.9 EXTENT AND NATURE OF FIELD-TESTING (DUS TESTING) OF VARIETIES

The application is processed depending on the category of the variety claimed for registration, according to which the applicant is required to deposit DUS test, registration and any other fees, as may be required. After receipt of necessary fees and seeds and to a satisfactory examination of the application at the Plant Varieties Registry, the Registrar shall send the variety to crop specific centres for conducting DUS test. The period of DUS testing is as follows:

- **New Varieties:** Two similar crop seasons at two locations
- **Farmers' Variety and VCK:** One crop season at two locations
- **Extant variety notified under section 5 of Seeds Act, 1966:** No DUS testing is conducted but variety is processed by an EVRC Committee which recommends for registration
- **EDV:** DUS testing is not mandatory but field test is conducted to ascertain DUS criteria

After the receipt of DUS test result, the application is processed and distinctiveness is ascertained through DUS test and comparison across the database. Subsequently, the passport data of the variety is published in the *Plant Varieties Journal of India*.

The application is advertised in *Plant Variety Journal of India* inviting opposition within a period of three months from the date of publications. If no opposition is filed or if opposition filed is rejected, the variety proceeds for registration. The period of protection is as follows**:**

1.9.1 Protection Period in Different Types of Crops

A total of 203 crop species are presently eligible for protection (Annexure VII). The total period of protection for field crops is of 15 years with 6 years of protection at the time of registration renewable to next 9 years, whereas that of trees and vines is for 18 years with 9 years of protection at the time of registration renewable to next 9 years. The extant varieties notified are given a protection for 15 or 18 years for field crops or trees and vines respectively, from date of notification under Seeds Act, 1966.

1.10 AWARD/REWARDS TO FARMERS'/ FARMING COMMUNITIES

Section 45(2) of the Act reads with Rules 70 (2) (a) of PPVFR Rules, 2003 provides for support and reward, to farmers, communities of farmers, particularly the tribal and rural communities engaged in conservation, improvement and preservation of genetic resources of economic plants and their wild relatives, particularly in areas identified as agro-biodiversity hotspots from National Gene Fund. To operationalize these provisions, Plant Genome Savior Community Award was instituted in 2009–10. A maximum of five such awards can be conferred annually. Along with this, ten farmers are conferred the Plant Genome Saviour Farmer Reward and twenty farmers are conferred Plant Genome Saviour Farmer Recognition certificates. The details of the various awards and recognitions available for farmers conferred are mentioned in Table 1. The selection of awardees is made by a committee of experts/ scientists headed by an eminent scientist/ subject matter specialist.

Table 1.1: Details of the Plant Genome Savior awards, rewards and recognition

Award	Details	Application
Plant Genome Saviour Community Awards	Five farming communities are awarded each year. Each award includes a citation, a memento and Rs. 10 lakhs.	Advertisement for these awards is published in the National dailies and on the Authority website: (*http://www.plantauthority.gov.in/forms.htm*) The applications should be forwarded by Chairperson/Secretary of the concerned Panchayat Biodiversity Management Committee or Concerned District Agricultural Officer or Director of Research of Concerned State Agriculture University or Concerned District Tribal Development Officer
Plant Genome Saviour Farmers' Rewards	Ten farmers are rewarded every year. Each reward includes a citation, a memento and cash of Rs. 1.5 lakh.	
Plant Genome Saviour Farmers' Recognitions	Twenty farmers are rewarded every year. Each reward includes a citation, a memento and cash of Rs. 1 lakh.	

2: Plant Varieties Registry

2.1 PUBLICATION OF DUS TEST GUIDELINES FOR CROP SPECIES

During 2024-25, DUS guidelines have been developed for six crop species and published in *Plant Variety Journal of India* as mentioned in Table 2 totalling to 203 crop species for which Authority has developed DUS guidelines and notified in Gazette of India. Registrations are now open for plant variety protection under *PPV&FR Act, 2001* for the varieties under these different crop species.

Table 2: DUS test guidelines developed for different crop species during 2024-25.

Sl. No.	Crop & Species	PVJ Publications Details
1.	Sponge gourd (*Luffa cylindrica* (L.) Roem)	Vol.-18, No.-8 (August 2024) (Date of Publication: 2nd September, 2024)
2.	Curry leaf (*Murraya koenigii* (L.) Spreng)	
3.	Ailanthus (*Ailanthus excelsa*. Roxb.)	
4.	Dahlia (*Dahlia spp*)	
5.	Broccoli (*Brassica oleracea* (L.) var. italica Plenck)	
6.	Lemon Grass (*Cymbopogan flexuosus* L.)	
7.	Chilli, Paprika and Bell Pepper (*Capsicum annuum* L.) (under protected conditions).	

2.2 NUMBER OF APPLICATIONS RECEIVED DURING 2024-25

During 2024-25, total of 1570 applications were received for registration from both public and private as well as farmers' variety sectors under different categories. Majority of applications belonged to cereals, fruits, vegetables and Legumes crops (Table 3).

Table 3a: Total number of applications received during 2024-25 (Sector-wise) crop group-wise)

Category	Public Sector	Private Sector	Farmers
New	18	200	-
Extant Notified	239	9	-
Extant VCK	12	148	1
Extant Farmers	-	-	939
EDV	-	4	-

Table 3b: Total number of applications received during 2023-24 (crop group-wise)

S.No.	Crop Group	Total
1.	Cereals	734
2.	Fruits	271

3.	Vegetables	184
4.	Legumes	164
5.	Oilseeds	91
6.	Spices	63
7.	Fibre Crops	21
8.	Cash	10
9.	Tree, forest and plantation crop	10
10.	Flowers	8
11.	Sugar Crops	8
12.	Medicinal and Aromatic plants	6
	Grand Total	**1570**

Highest number of applications is received for Rice (341), Maize (141), Jackfruit (105), Okra/Lady's Finger (15), Cucumber (12), Pumpkin (12), Pearl Millet (9), Tomato (9), etc. (Table 4)

Table 4: Total number of applications received (crop-wise)

S.No.	**Common Name**	**Total**	S. No.	**Common Name**	**Total**
1.	Ajwain	3	56.	Kali Jeeri	3
2.	Apple	6	57.	Kidney bean	26
3.	Ash gourd	1	58.	Kodo Millet	16
4.	Ashwagandha	1	59.	Kusum	1
5.	Bael	8	60.	Lemon	1
6.	Barley	17	61.	Lemongrass	1
7.	Barnyard Millet	17	62.	Lentil	16
8.	Black gram	22	63.	Linseed	7
9.	Black mustard	1	64.	Little Millet	20
10.	Black Pepper	8	65.	Lotus	2
11.	Blueberry	1	66.	Maize	141
12.	Bottle Gourd	13	67.	Mango	61
13.	Brinjal	11	68.	Marigold	6
14.	Cabbage	6	69.	Melia	1
15.	Carrot	4	70.	Moringa	4

16.	Cashew	2	71.	Mountain Peanut	1
17.	Castor	7	72.	Muskmelon	7
18.	Cauliflower	4	73.	Nutmeg	1
19.	Chickpea	23	74.	Okra/Lady's Finger	7
20.	Chilli	24	75.	Onion	1
21.	Cluster Bean	4	76.	Papaya	1
22.	Coconut	2	77.	Pear	1
23.	Coffee	1	78.	Pearl Millet	22
24.	Common/Sweet Buckwheat	2	79.	Pecan nut	1
25.	Coriander	5	80.	Perilla	6
26.	Cowpea	10	81.	Pigeon pea	22
27.	Cucumber	5	82.	Pointed Gourd	1
28.	Cumin	1	83.	Potato	17
29.	Custard Apple	4	84.	Proso Millet	4
30.	Diploid Cotton	4	85.	Pummelo	1
31.	Dolichos bean	10	86.	Radish	2
32.	Fennel	1	87.	Rapeseed (Gobhi Sarson)	1
33.	Fenugreek	4	88.	Rapeseed (Toria)	4
34.	Fieldpea	10	89.	Rice	341
35.	Finger Millet	78	90.	Ricebean	1
36.	Flue-Cured Virginia (FCV)	4	91.	Ridge gourd	4
37.	Foxtail Millet	18	92.	Safflower	2
38.	Garden pea	2	93.	Sesame	15
39.	Garlic	6	94.	Small Cardamom	1
40.	Ginger	10	95.	Sorghum	29
41.	Grain Amaranth	18	96.	Soybean	23
42.	Grapes	28	97.	Sponge Gourd	3
43.	Greater Yam	2	98.	Sugarcane	8
44.	Green gram	16	99.	Sunflower	7
45.	Groundnut	4	100.	Super Napier Grass	1
46.	Guava	5	101.	Tamarind	2

47.	Horse gram	16	102.	Taro	5
48.	Indian Gooseberry	2	103.	Tetraploid Cotton	16
49.	Indian mustard (Sarso)	19	104.	Tobacco	2
50.	Indian Pennywort	1	105.	Tomato	25
51.	Isharmul	1	106.	Turmeric	19
52.	Jackfruit	105	107.	Vegetable Amaranth	2
53.	Jakhiya	1	108.	Walnut	6
54.	Jamun	43	109.	Watermelon	2
55.	Jute	1	110.	Wheat	28
				Total	**1570**

Out of 1570 applications, 940 applications were filed by farmers, 361 applications were filed by private sector and 269 applications were filed by public sector. Under extant VCK category, 161 applications were received, 218 under New variety category, 248 under Extant notified category, 4 under EDV category and 939 under farmer's variety category were also filed for registration. During 2024-25, 1570 applications were received in respect of 110 crop species.

2.3 REGISTRATION OF PLANT VARIETIES

During 2024-25, registration process is completed and certificates were issued for 1720 varieties under different crop species (Fig) with maximum number of certificates issued under Farmer Variety (1133) followed by New category (261), Extant VCK (209), and Extant Notified (117). Similarly, highest number of certificates were issued for cereals (794) followed by Legumes (275), Fibre crops (197), vegetables (148), Fruits (139), Oilseeds (95), and Spices (52) etc.

Table 2.5: No. of certificates issued crop group-wise (2024-25)

Crop Group	Total
Cereals	794
Fibre Crops	197
Flowers	2
Fruits	139
Legumes	275
Oilseeds	95
Spices	52
Sugar Crops	12
Tree, forest and plantation crop	6
Vegetables	148
Grand Total	**1720**

2.4 REPORTS OF BRANCH OFFICES OF THE REGISTRY

2.4.1 Branch Office, Shivamogga



PPVFRA Branch Office Shivamogga was established on 3rd May 2017 in the premises of College of Agriculture Campus, Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Navile, Shivamogga. The PPVFRA Branch Office Shivamogga covers five states *viz*., Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana and two Union Territories- Puducherry and Lakshadweep.

Crop	No of applications
New variety	02
Extant notified	19
Farmers' variety	33
Total	54

Fifty-four applications along with seed were received for Rice, Sorghum, Kodo Millet, Barnyard Millet, Little Millet, Foxtail Millet, Sunflower, Castor, Redgram, and Coffee, Black Pepper, Jackfruit, Water Melon, Raddish, Ginger and Chilli crops under various categories at PPVFRA Branch Office Shivamogga. After preliminary examination they were forwarded along with first examination report to the Plant Varieties Registry, Head Office at New Delhi for further necessary action.

Extension activities



- Attended Training cum Awareness programme on PPVFRA at University of Agricultural Sciences Dharwad on 12th March 2025 to create awareness about PPVFR Act 2001 and registration of Farmers variety to the farming community.
- Attended the Awareness programme on the Training cum Awareness programme on PPVFRA Act 2001 and Exhibition, at Krishi Vigyan Kendra, VC Farm Mandya, UAS Bangalore under ICAR-ATARI, Bengaluru on 27th March 2025 to create awareness to the farming community about PPVFR Act 2001 and registration of Farmers variety.
- Directors of Research and Directors of Extension of all the State Agricultural Universities of Southern Zone were contacted to request the concerned breeders in encouraging and facilitating farmers to register variety and protect the farmers' variety and also register the university developed varieties notified by Central Seed Committee for release under Extant (Notified) category.
- Mails were sent to KVKs to disseminate the information of Plant Genome Saviour Community Award, Plant Genome Saviour Farmers Reward and Plant Genome Saviour Farmer recognition Award for 2023-2024 to farmers of their jurisdiction.
- Farmers were contacted for the registration of varieties in various crops and were also informed about Plant Genome Saviour Community Award, Plant Genome Saviour Farmers Reward and Plant Genome Saviour Farmer recognition Award for 2023-2024.

1.4.2. Branch Office, Guwahati

Dr. Atul Chandra Sarma joined as Deputy Registrar (Contact Basis) at Guwahati Branch of the Authority on 01-01-2025. The following information have been forwarded for Annual Report, 2024-25.

Awareness and Trainings:

Awareness on PPV&FR Act, 2001 had been started by way of personal contact and also writing letters to different organizations, *viz.*, ICAR Organizations, State Departments of Agriculture, District Agriculture Officers, Senior Scientists and Heads of KVKs, Assam Agricultural University, Farmers and Farming Communities, etc. Also contacted the Directors, ICAR-ATARI Zone VI & Zone VII for filing of applications for registration. Communicated with the Senior Scientist and Heads of KVKs of both ICAR-ATARI Zone VI & VII.

Filled in Sample Application Form for Farmers Varieties and other necessary information had been sent via Whatsapp.

Application forwarded:

A total of 21 numbers of (twenty one) applications with seeds forwarded to Head Office during this period.

Visit:

Dr. Atul Chandra Sarma, Deputy Registrar, Guwahati attended a Workshop on Training cum Awareness Programme on PPV & FR Act, 2001 at KVK Dhalai, Tripura on 27-03-2025.The workshop was attended by Mr. Pradip Barman Roy, Member, IMC-ICAR, New Delhi as special guest. Mrs. Dipti Rakshit, President, Agriculture Standing Committee and Chairman , BAC, Salema, Mr. Bimal Debbarma, VP, Salema Panchayat Sammittee, Mr. Apurba Podder, *Pradhan*, Salema GP and Mr. Nanu Gopal Kar of Salema GP also attended the workshop. All KVKs of Tripura participated with stalls and exhibited their indigenous varieties.







A total of 326 numbers of farmers from different districts of Tripura participated in the Training Programme. Detail training on PPV &FR Act, 2001 was imparted to the farmers by Deputy Registrar in Bengali language. Dr. Abhijit Deb Nath, Sr. Scientist & Head, KVK Dhalai and Dr. Mandira Chakraborty, SMS (Agronomy) also provided the training. Farmers' queries were also answered. KVK Khowai was awarded as the best performing KVK in the exhibition.





KVK Dhalai holds workshop-cum-awareness prog on PPV&FRA

Observer Reporter

Agartala: Mar 27. Krishi Vigyan Kendra (KVK) Dhalai, in collaboration with seven other KVKs from Tripura, successfully organized a Workshop-cum-Awareness Programme on the Protection of Plant Varieties and Farmers' Rights Act (PPV&FRA). The event took place at KVK Dhalai, Salema aimed to enhance awareness and facilitate the registration of plant varieties under the PPV&FRA.

The programme witnessed the participation of all KVKs from Tripura, alongside a large gathering of farmers eager to learn about their rights and the benefits of plant variety registration. More than 326 farmers from various districts of Tripura attended the event, bringing different plant varieties for registration.

The occasion was graced by Dr. A.C. Sarma, Deputy Registrar, PPV & FRA, Ministry of Agriculture & Farmers' Welfare attended as the Guest of Honour. Pradip Baran Roy, Member, IMC-ICAR, New Delhi was present as the Special Guest. Other distinguished guests included Dipti Rakshit, President of the Agri Standing Committee and Chairman, BAC, Salema; Bimal Debbarma, Vice-Chairman, Salema Panchayat Samiti; Nani Gopal Kar; Apurba Poddar, Pradhan, Salema GP; and Mandira Chakraborty, SMS (Agronomy) of KVK West Tripura.

The event also saw the active participation of various Farmer Producer Organizations (FPOs) and Self-Help Groups (SHGs) from different districts of Tripura. Farmers engaged in discussions with experts on plant variety registration procedures, the benefits of legal protection, and the rights conferred under the PPV&FRA.

The workshop provided a crucial platform for farmers to gain insights into the legal framework that safeguards their plant varieties, ensuring recognition and rewards for their efforts in conservation and innovation. The overwhelming response from the farming community highlighted the growing awareness and interest in plant variety protection in Tripura.

The successful organization of this event underscores the commitment of KVK Dhalai and its collaborating KVKs in empowering farmers with knowledge and resources to protect their plant varieties and secure their agricultural future.

The event of workshop on Training and Awareness Programme was published in local Bengali daily News Paper "*Dainik Sangbad*" in its issue on 28-03-2025 published from Agartala.

A discussion was also held with the scientists staffs of KVK Dhalai on 28-03-2025 at the Conference Hall of the KVK and discussed on submission of applications for registration



ধলাই কৃষি বিজ্ঞান কেন্দ্রে পিপিভি ও এফআরএ বিষয়ক কর্মশালা অনুষ্ঠিত

আগরতলা, ২৭ মার্চ।। উদ্ভিদ জাত সংরক্ষণ ও কৃষকদের অধিকার আইন (পিপিভি ও এফআরএ) বিষয়ক কর্মশালা- কাম-সচেতনতামূলক কর্মসূচি সালেমাস্থিত ধলাই কৃষি বিজ্ঞান কেন্দ্রে আজ অনুষ্ঠিত হয়েছে। এই কর্মশালার উদ্দেশ্য ছিল উদ্ভিদ জাত সংরক্ষণ ও কৃষকদের অধিকার আইন সম্পর্কে কৃষকদের মধ্যে সচেতনতা বৃদ্ধি করা। কর্মশালায় প্রধান অতিথি হিসেবে উপস্থিত ছিলেন কেন্দ্রীয় কৃষি ও কৃষক কল্যাণ মন্ত্রকের পিপিভি ও এফআরএ'র উপ-নিবন্ধক ড. এ সি শর্মা। বিশেষ অতিথি হিসেবে উপস্থিত ছিলেন নয়াদিল্লির আইএমসি-আইসিএআর'র সদস্য প্রদীপ বরণ রায়। এ ছাড়াও উপস্থিত ছিলেন সালেমা ব্লকের বিএসি চেয়ারম্যান বিমল দেববর্মা, সালেমা পঞ্চায়েত সমিতির সহ-সভাপতি ননী গোপাল কর, সালেমা গ্রাম পঞ্চায়েতের প্রধান অপূর্ব পোদ্দার এবং পশ্চিম ত্রিপুরা কৃষি বিজ্ঞান কেন্দ্রের এসএমএস (এগ্রোনমি) মন্দিরা চক্রবর্তী। এছাড়াও কর্মশালায় রাজ্যের অন্যান্য কৃষি বিজ্ঞান কেন্দ্রের প্রতিনিধিগণ সহ রাজ্যের বিভিন্ন জেলা থেকে

— দুইয়ের পাতায় দেখুন



1.4.3. Branch Office, Ranchi

The PPVFRA Branch Office Ranchi is situated in the premise of Computer Centre Building of the Birsa Agricultural University, Kanke, Ranchi Jharkhand with its territorial jurisdiction, functioning since May, 2011.

The mandate of Branch Office to participate in training-Cum-Awareness programme/meetings/ Seminars/ Workshop etc. convened by various research Institutions/Agricultural Universities/ KVKs/departments/Organizations/Agencies in the jurisdiction for dissemination of knowledge concerning to PPVFR Act 2001. Including different awards/rewards & Recognitions, popularization & motivation of registration of Farmers & others varieties.

- **Registration Process:** During the reporting period Branch Office Ranchi has made following achievements:

➢ **Farmers, New & Extant varieties applications**: During the reporting period Branch Office Ranch has received various **applications** of farmer's & other varieties. In which, Extant, new & Farmers variety application. In which **54(Fifty four)** F.V application of different crops, were received through PC, Krishi Vigayan Kendra (KVK) Dunka (09), PC,Krishi Vigyan Kendra (KVK) Jamtara,Jharkhand (08), PC,Krishi Vigyan Kendra (KVK) Garhwa,Jharkhand (08) & Divyayan Krishi Vigyan Kendra (KVK) Ranchi, Jharkhand (29) respectively. Except these above we have also received another F.V application which were & copy variety & not listed under notified crops, has been returned to the concern for resumittion after the correction. We have also received many letters of Farmers varieties applications for DUS Testing at SAU/CAU/ICAR/CSIR according to our new registration policy for previous & new applications, which was contacted to the concern KVKs through emails & phones for quick response. The above Farmers Variety applications, submitted with all guide lines to headquarter for further processing.

➢ **Seed Samples**: **62(Sixty two) seed samples** of different crops received for DUS and Grow out Test (GOT), Whose were sent to the Plant Variety Registr**y.**

➢ **Collecting Agronomic & Commercial (A&C) information /Attributes:** During reporting period Branch Office Ranchi also collecting (A&C) **information /Attributes** from the concern KVKs/Farmers & submitting to the head office for further processing as demanded by the H.O.

➢ **Inviting Plant Genome Saviour Farmer Reward applications:** During the reporting period Branch office Ranchi has communicated in their jurisdiction to all Institutions/KVKs/Organizations/Farmers for different Plant Genome Savior Awards for the year 2023-24 up to last extended date of sending/receiving of the application. After this we have also received via online mode of 04 applications of different Award, Reward & Recognition whose were send to head office for processing regarding.

➢ **Co-ordination for submitting fee & others:** Branch office Ranchi also effort for submitting of different fees i.e. Annual fee, Renewal fee & DUS fee etc from Institutes/organizations. Some other kind of letters are also received at the Branch Office on time to time from the head office i.e. providing other denomination of the varieties for the completing registration process etc. which were submitted after reciving from the concern at the earliest.

- **Participation in Seminars/Workshop/webinar/Kisan Goshthi etc. organized in the territories of PPV&FRA Branch office , Ranchi:**
- **Branch Office Ranchi participation in world intellectual property day 2024:**

Branch Office Ranchi participated webinar in world intellectual property Right day 2024 on 26th April, 2024 celebrated by PPVFR Authority at NASC Complex New Delhi. The programme was inaugurated by lighting of lamp by the Chief Guest, Prof. Ashutosh Sharma, President INSA and Former Secretary DST, Govt of India and other dignitaries. Dr. D.K. Agarwal, Registrar-General, PPVFRA, conveyed his warm welcome to the Chief Guest and other dignitaries on the dais and everyone present. In sync with the theme of the World IP Day, he explained Fibonacci series where each number is the sum of the two preceding ones that is present in various aspects of Western music, including scales, chords, and the structure of musical piece. He briefly highlighted the progress of PPVFRA in issuing plant variety registration certificates and other recent developments.

- **Participation in Radiant Jharkhand- Mega Exhibition programme organized at Ramada, Jamshedpur from 20 to 22/02/2025:**

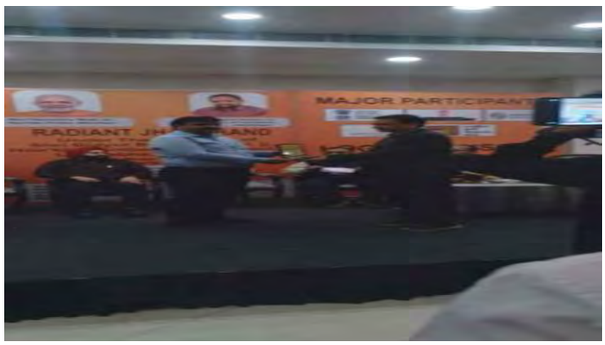
A mega Exhibition programme was organized jointly by various departments/ Ministries of India including Protection of Plant Varieties & Farmers Rights Authority of Ministries of Agriculture & framers welfare, Gov. of India from 20 to 22/02/2025 at Ramada, Jamshedpur. In this programme more than thousands of students, faculty members of various colleges, local and out of Jamshedpur farmers were visited the stall and getting the knowledge about the process of registration of different varieties in PPV FRA & also discussed about its benefits etc.

The Opening of programme was held on 20.02.2025 in the presence of **Sh. Vidyut Varan Mahto Ji, the Honourable Member of Parliament of Jamshedpur** in the presence of various dignitaries and other participants of Radiant Jharkhand - Mega Exhibition. After the mega exhibition was opened all exhibitors were joined their stalls for exhibition. The main purpose of this programme was to aware and sharing of knowledge about maximum of people in the mission of knowing about how these are works for the people. A show stall of PPVFRA was also installed in this event. This programme was very knowledgeable to new young generations who want to do something in the area. Our mission is successful to participate as resource person in this programme as thousands of students and other participants visited during three days of Mega Exhibition. On the last day during closing ceremony Authority's stall was honoured with a memento and a certificate of participation by organizers of the event.





Glimpses of the exhibition





- **Engagement of Deputy Registrar at Branch Office Ranchi :**

  Dr.Harish Chandra Singh has been engaged as Deputy Registrar at Branch Office Ranchi on Contract basis. So he was Joined their duty from February 24, 2025 as per guidelines.

- **Miscellaneous:**

In recent PPVFRA, Branch office, Ranchi also effort for new F.V & other applications with purified seed from the concern KVKs/Institute/Farmers etc for registration.

1.4.4. Branch Office, Pune

Details of varieties submitted by Branch office, Pune

Category	Public Sector	Private Sector	Farmers
New	06	--	--
Extant Notified	21	--	--
Extant VCK	--	--	--
Extant Farmers	--	--	27

Crop wise list of proposal submitted

Sr. No.	Crop Name	Proposal Submitted
1	Safflower	02
2	Cotton	08
3	Brinjal	02
4	Bottle gourd	02
5	Grapes	10
6	Mango	01
7	Pigeon Pea	01
8	Wheat	01
9	Tomato	03
10	Fenugreek	01
11	Onion	01
12	Ridge gourd	01
13	Sponge gourd	01
14	Drumstick	01

15	Super Napier Grass	01
16	Turmeric	10
17	Soybean	03
18	Finger Millet	01
19	Cluster Bean	01
20	Papaya	01
21	Pearl millet	02

26.04.24

Dr. K. A. Gaikwad, SRF, PPV&FRA, Branch office, Pune participated online in the World Intellectual Property Day programme organized by PPV&FRA, New Delhi.

21.10.24

Sent email regarding PGS award 2023-24 to various government officials from the agriculture sector which are in the jurisdiction of Branch office, Pune

22.11.24 to 25.11.24

Dr. K. A. Gaikwad, SRF, PPV&FRA, Branch Office, Pune participated in Agrovision Exhibition 2024 at Nagpur. The stall received an overwhelming response, with over 5,000 visitors, including farmers, agricultural scientists, students, and industry professionals. The stall displayed registered plant varieties and their unique traits, illustrating the benefits of protecting intellectual property in agriculture. Success stories of farmers and breeders who have benefited from the Act were prominently featured. Farmers were guide on how to apply for variety registration and claim their rights under the Act. Literature was distributed in Hindi language to ensure inclusivity and accessibility for farmers from all over the country. Engagement with several farmers, plant breeders and researchers, many of whom expressed interest in registering their varieties.







23.01.25 to 25.01.25

Dr. K. A. Gaikwad, SRF, PPV&FRA, Branch Office, Pune participated in the 3rd Destination Goa @ 2025 exhibition, held from 23rd to 25th January, 2025 at Panjim, Goa. Over 500 visitors, including mostly school students, farmers, researchers, and policymakers, interacted with the PPV&FRA stall, gaining insights into plant variety protection and farmers' rights. Honorable Chief Minister, Govt. of Goa, Dr. Pramod Sawant showed a keen interest about knowing the different farmers' rights and plant variety protection. The PPV&FRA stall was designed to reflect its mission of balancing farmers' rights with plant breeders' interests. It featured interactive displays and informational brochures in hindi language. A dedicated

section showcased registered plant varieties, including high-yielding crops, and indigenous varieties conserved by farmers.







21.03.25

Dr. K. A. Gaikwad, along with Hon. Chairperson, Registrar General & Legal Advisor PPV&FRA, New Delhi participated in Awareness Session on Enforcement of IPR in Seeds at Pune and addressed various issues raised by the participants.







21.03.25

Hon. Chairperson & Registrar General PPV&FRA, New Delhi participated in the stakeholders' consultation discussion on the study of the plant breeders rights and royalty payment in Indian floriculture sector at Pune and addressed various issues raised by the participants.



* Various applicants i.e. breeders form SAUs, ICAR institutes & KVKs as well as farmers within the jurisdiction of branch office were guided for filing the applications of crop variety for registration under PPV&FR Act, 2001 on need basis.

1.4.5. Branch Office, Palampur

1. Introduction

This report outlines key activities undertaken by the PPV&FRA Branch Office, Palampur during the reporting period. Efforts focused on facilitating farmer variety registration, PGSA applications, institutional coordination, and planning of awareness programmes under the PPV&FR Act, 2001.

2. Awareness and Training Programme Coordination

An estimate of Rs. 1.5 Lakhs was submitted to the Authority for conducting a Training-cum-Awareness Programme at KVK, Kullu for 100 farmers. The training schedule and programme outline were developed and shared with the concerned administrative authority. Due to non-release of funds, the programme scheduled on 26th June 2024 was postponed. Coordination remains ongoing for rescheduling.

3. Farmer Variety Registration Support

• Farmer Variety "SUKETI Dhan" was successfully registered.

• Certificates for "Kali Zhini" and "Jattu Dhan" were issued, and PGSA applications were processed accordingly.

• PGSA application for "Jattu Dhan" (Farmer: Shyam Singh Katoch) was submitted.

• **Three barley farmer varieties from Pangi region (Chamba) were forwarded for registration:**

- Sherwan Jau

- Baste Jau

- Bhot Jau

4. Institutional Coordination

Information regarding registration of Apple variety was shared with concerned authorities. Continuous communication was maintained with SAUs, KVKs, CSIR institutes, and breeders regarding registration of extant, notified, newly released, and farmer varieties.

5. Administrative Actions

• Record of allotted land (Khasra Nos. 212, 213, 214, and 230) was forwarded to Registrar General.

3: DUS Test Centers

3.1 DUS TESTING CENTERS ESTABLISHED UNDER SECTION 19 OF PPVFR ACT 2001 AND RULE 29 (7) of PPVFR RULES, 2003 IN GOVERNMENT OWNED NATIONAL AGRICUTLURAL RESEARCH SYSTEM.

During the period under report 652 candidate varieties representing 59 crop species were tested for DUS characterization and evaluation at 54 centres in the country. These centres are established at locations most suitable either under Central Government or State Government owned agricultural research systems comprising the ICAR, CSIR, SAU or CAU. Dedicated research staff and support were provided as required, to maintain under the control of a designated Principal Investigator nominated by the Head of the Institution at each centre to operate for the testing and evaluation procedures required under the Act, in project mode with the approval of the Authority.

3.1.1. DUS TESTING CENTRES FOR RICE:

ICAR-Indian Institute of Rice Research, Hyderabad

Details of DUS testing of candidate varieties in 2024-25:

During Kharif 2024, Distinctness, Uniformity, and Stability (DUS) testing was conducted on 99 entries, including 43 typical varieties, 17 hybrids, 7 VCKs, 1 EDV, 1 IV and 3 farmer varieties in their first year of testing, along with 17 typical varieties, 4 hybrids, 3 EDVs and 3 IVs in their second year. Thirteen varieties which were notified under Seeds Act, 1966 were also evaluated. The entries were transplanted in 25th & 26th July, 2024 and 12th & 26th August, 2024 under well-managed field conditions. Standard agronomic practices were followed throughout the crop season, including appropriate nutrient management, irrigation, and plant protection measures to ensure healthy crop growth. Adequate plant population, as per crop-specific guidelines, was maintained to ensure reliable observations.

Crops	New		VCK	FV	Gazette notified	Date of monitoring
	1st year entries	2nd year entries				
Rice	60	21	7	3	13	28-09-2024



DUS characterization of Farmers' varieties: Three farmer varieties, i.e., Solan Rani (Reg. no 2023/0119), Safed Dhan (Reg. no 2023/0128), and Kawthuni Dhan (Reg. no 2023/0129), were characterized for DUS test ICAR-IIRR in Kharif 2024.



48 reference and example varieties are maintained and characterized in Kharif 2024. Seed harvested from the previous seasons at ICAR-IIRR are sown and transplanted in

July and August, respectively, under well-managed field conditions. Standard agronomic practices were maintained during the entire season.

Training cum Awareness programme on PPV&FRA conducted:



- PPV&FRA workshop on "*Registration of Varieties/ Hybrids & Its Importance*" was organized for 50 AICRPR co-operators on 16th December 2024, ICAR-Indian Institute of Rice Research (IIRR), Hyderabad. This workshop was chaired by Dr. Trilochan Mohapatra, Chairman, PPV & FRA.
- A farmer awareness program was conducted at ICAR-Indian Institute of Rice Research (IIRR), Hyderabad. 22 farmers from Raigad, Maharashtra on 12th February 2025 attended the meeting.
- Another farmer awareness program for 43 farmers from Indapur, Pune, Maharashtra was conducted at ICAR-Indian Institute of Rice Research (IIRR), Hyderabad on 19th March 2025.

Applications filed with PPV&FRA for plant variety protection by the Organisation (2024-25):

Crops	No of applications filed	Certificates issued
Rice	6 (4 varieties & 2 hybrids) REG/2024/0609 REG/2024/1315 REG/2024/1316 REG/2024/1317 REG/2025/0033 REG/2025/0039	Submitted 6 applications during 2024-25 and received the certificates REG/2024/0609 REG/2024/1315 REG/2024/1316 REG/2024/1317 REG/2025/0033 REG/2025/0039

ICAR-National Rice Research Institute, Cuttack

Details of DUS testing of candidate varieties in 2024-25:

The experiment was carried out in Kharif 2024 for DUS testing. All the data from morphological to biochemical analysis were recorded on proper growth stage of crop by following crop specific DUS test guidelines & instructions of the Authority. These data were computerized in proper format and sent to PPV&FRA. The data of reference varieties, local and regional checks which were grown against the candidate varieties (1st and 2nd year of testing) were also recorded and sent to authority. Confidentiality of the DUS test results and field trials is maintained, PPV& FRA.

Crops	New		VCK	Farmers' variety	EDV + IV	Notified varieties	Reference received from PPV FRA	Date of monitoring
	1st year entries	2nd year entries						
RICE	25	10	5	1	1 + 1	8	14	16.10.2024

A set of 65 (33 Candidates for 1st year testing, 10 Candidates for 2nd year testing and 8 gazette notified) rice varieties were received from PPV & FRA, New Delhi. Germination test results were taken after one week of receiving of seed packets. Only One reference variety received from PPV & FRA i.e. US 312 did not germinate. All entries along with references and checks (local and regional) were sown in the nursery on 12th and 19th June 2024 and transplanted on 16. 07. 2024 and 19.07.2024 with randomized block design in three replications as per the standard recommended DUS test guideline. Coleoptile colour was recorded after 5 days of sowing. The crop started attaining flowering in the month of September - October. A total of 132 reference varieties, 10 local checks and 10 regional checks were used against the candidates having fulfilled the demanded characters. All the data were recorded in the proper format and sent to the authority.



Varieties like KRH 7317, INH 220021, INH 18071, M-111, M-141, M-145 and SS-2014 were found to have very strong pubescence. Entry NPS 8006 A and Kalojira was found to have nil/weak leaf pubescence. All the entries were having erect culm attitude except INH220021, Sanjeevani, MPR 606 PLUS having semi erect. Out of 43 candidates, 18 entries were having very short stem length. C-162 and Kalojira were having shortest (46 cm) and longest(139cm) stem length respectively. M-141 and M-145 were found to have medium lemma anthocyanin colouration area below apex. Kalojira, Shristhi were having maximum panicle number per plant. Sanjeevani variety was found to have semi erect, horizontal and deflexed flag leaf attitude of blade in late observation in each replication. NPH-BX44, NPS 4127 R, M-111were found to have awn. Sanjeevani and Kalojira were found to have purple lemma palea colour. Entries like SS-336, Shristhi, M-145, M-141 were found to have brown furrow on straw lemma and palea colour. Among the entries, INH 20242, INH 2200221, B-162, PAN 845, SS-124, GMS-386, MPR-909 were found to have semi erect panicle attitude of branches. Among all the entries KRH 7317(29g) was found to have maximum 1000 grain weight and MPR 909 (10 g) & KALOJIRA (11 g) were having very low 1000 GW. Grain phenol reaction was present in all entries except SS-2014, PAN-845, M-111. Maximum and minimum grain length was found in NPS 4127 R (14.25mm) and KALOJIRA (5.81mm) respectively. Maximum and minimum grain width was found in M-141 (3.27mm) and MPR 909(1.62mm) respectively. Entries NPS 4127 R (9.37mm) and KALOJIRA(4mm) were found to have maximum and minimum decorticated grain length respectively. Entries M-141(2.69mm) & MPR 909(1.36mm) were found to have maximum and minimum decorticated grain width. Entries SOWBHAGYA GOLD, B-162, MPR-909, MPR 606 PLUS were having short slender grain shape. Entries M-141, M-145, SHRISTHI, SS-124, KALOJIRA were found to have short bold grain shape. Entry SOWBHAGYA GOLD (22.652) and entries MP-3033(10.35), SANJEEVANI (10.575) were found to have maximum and minimum content of amylose respectively. MP-3030, NPH-BX44, NPS 4127 R,



SANJEEVANI, KALOJIRA were found to have aroma. C-162 was found to have complete male sterility, partial male sterility was present in B-162 (approx 5 % population), NPS 4127 R (50 % population), NPS 8006 A(5%).

Key observations of the Monitoring team:

- Trial is nicely laid out and well managed.
- All of the entries were found to be uniform in all three replications in their proper stage of growth.

Training cum Awareness programme on PPV & FRA conducted:

a. One awareness programme was conducted on Protection and conservation of Plant Variety and the benefits of registration with PPV & FRA in the Third Indian Rice Congress-2024 during 5-7th December 2024
b. Conducted awareness among participants in "6th International Conference on Agriculture for Sustainable Development (Agrivision-2024)" at OUAT during 19-21 January 2025
c. Conducted awareness programme for nearly 1000 farmers who participated in "Regional Agriculture fair-2025" conducted at ICAR-CRRI from 27 February to 1st March 2025
d. Conducted a workshop-cum-awareness programme and exhibition on PPV FRA at ICAR-CIFA on 25th March January 2025

ICAR-Indian Agricultural Research Institute (Regional Station), Karnal

Crops	New		FV	EDV + IV	Gazette notified	Date of monitoring
	1st year entries	2nd year entries				
Rice	01	02	1 (DUS testing) + 2 (DUS characterization)	3 + 3	2	14.10.2024

Details of DUS testing of candidate varieties in 2024-25:

One typical variety was under first year testing and two candidate varieties were under second year testing during *Kharif* 2024. Apart from these, three EDVs & three IVs were under second year testing during *Kharif* 2024. The CVs, EDVs and IVs under this year testing were raised along with forty-seven reference varieties and seven zonal and national checks. In addition, two notified varieties were under DUS characterization and maintenance breeding during *Kharif* 2024.

The nurseries for candidate, farmer, notified and reference varieties were raised on 14th June 2024 and these were transplanted on 12nd July 2024 as per DUS protocols. The DUS data and DUS Test report was submitted to Nodal Officer, DUS, IIRR, Hyderabad with a copy to PPV& FRA, New Delhi in February 2025. One farmer variety (FV) was under first year DUS testing and two FVs were under DUS Characterization during *Kharif* 2024. The Farmers varieties were raised in Paired Rows (No. of Plants per Replication: 120 and Replications: 03). Observations



were recorded at various stages as per DUS Test guidelines. DUS data was recorded, compiled and submitted to Nodal Officer, DUS, IIR Hyderabad.

Ten reference varieties were maintained during *Kharif* 2024. Out of these ten, seven were old and traditional Basmati varieties, and three were non-Basmati varieties. The maintenance breeding plots were raised in two sets (five rows each per set, and were monitored for all critical crop growth stages. Any variation was noted down, tagged and removed as and when observed. Only the true to type plants were bulked. In case of reference varieties having high extent of off-types, then selectively paired row panicle progenies are raised. The maintenance of reference varieties is undertaken as per requirement and revival of old seed lots. The nursery for maintenance breeding block was raised on 15th June 2024 and transplanting was undertaken on 13rd July 2024.

Tamil Nadu Agricultural University, Coimbatore

Details of DUS testing of candidate varieties in 2024-25:

Crops	New		VCK	Gazette notified
	1st year entries	2nd year entries		
Rice	46	9	3	4

Seeds of 46 new entries and three VCK entries of rice for 1st year DUS testing and 9 entries under new category for 2nd year DUS testing along with four entries notified under *Seeds* Act, 1966 were received from PPV & FRA, New Delhi. The sowing report was sent to PPV&FRA on 05.08.2024 along with germination test results. The first year DUS testing entry namely RRX3390(REG/2023/0140) recorded 32% germination. The second year DUS testing entries *viz.,* - Rasi Jalmitra (REG/2023/0001) and ZEYA 1916 (REG/2023/0073) recorded 42% germination. Nursery sowing was done on 15.07.2024 and 22.07.2024. Transplanting to the main field was done on 07.08.2024 and 20.08.2024. The characterization was carried out as per DUS test guidelines.



The rice varieties *viz.,* CR 1009, TKM 13, MDU 6, VGD 1, ASD 21, CO 43, CO 54, CO 55, ADT 42, ADT 51, ADT 52, ADT 53 and ADT 56 were used as Zonal checks in the trial.



Among the forty-nine 1st year varieties tested, following observations are made: stigma colour was purple in the entries RRX3360, RRX3350, RRX3390, DR8336, DR8101, KMP-225, B-188, KRV7333 and all the other entries showed white stigma; RRX3360, RRX3350, RRX3390, DR 8101 showed

light purple colour on basal leaf sheath while all the other entries found to be green in colour; KMP-220 showed red coloured grain. Gelatinization temperature through alkali spreading value was found to be low in DR8336, B-188, B-196, M-215, M-226, B-197 and KRH 7277. Aroma in decorticated grain was present in B-188, C-1584, B-154 and in NP-9954 while in all the other entries aroma was found to be absent.

In addition, maintenance breeding was carried out 13 rice varieties *viz.,* CR 1009, TKM 13, MDU 6, VGD 1, ASD 21, CO 43, CO 54, CO 55, ADT 42, ADT 51, ADT 52, ADT 53 and ADT 56 as per DUS guidelines. All the candidate entries showed uniformity in field.

Indira Gandhi Krishi Vishwavidyalaya, Raipur

Details of DUS testing of candidate varieties in 2024-25:

In *Kharif* 2024 a total of 9 accessions were been received for DUS grow out test along with 12 check varieties.

Crops	New 1st year entries	FV	Gazette notified	Date of monitoring
Rice	9	3	3	23.10.2024

DUS characterization of Farmers' varieties: Three farmers varieties Bainsar, Mungadi Dhan and Hare Krishna bhog were tested in the year Kharif 2024. All the three had medium green basal leaf sheath colour. No anthocyanin leaf colouration was present. Bainsar had strong pubescence of blade surface while Mungadi dhan and Hare Krishna Bhog had medium pubescence. Bainsar had medium leaf while Mugadi dhan and Hare Krishna Bhog had long leaves with medium width and erect culm. The days to 50% flowering was late in Mungadi dhan and Hare Krishna Bhog while it was medium for Bainsar. Medium stem thickness was observed in Bainsar and Mungadi Dhan while Hare Krishna Bhog had thin stem. Biansar had short height with medium panicles while Mungadi dhan and Hare Krishna Bhog were tall in stature with long panicles. Short slender grains with medium amylose content were observed for all the three varieties.



Total 21 reference varieties are maintained at DUS center IGKV, Raipur. For maintenance of their physical and genetic purity, separate mother panicles are harvested and planted in panicle to row method. The source for the reference varieties is IGKV medium term germplasm storage facility.



Training cum Awareness programme on PPV&FRA conducted: One PPV and FRA *Training-cum-awareness programme and Agro-biodiversity Exhibition* was organized

at Chilipi Ghati, Kabirdham C.G on 21/7/2024. The Chief guest were Dr. T. Mohapatra, Chairperson, of the PPVFR Authority, New Delhi, Dr S.R.K. Singh, Director, ICAR –ATARI – Jabalpur, Dr. Dinesh Kumar Agarwal, Registrar-General, of the PPVFR Authority, Dr. Ravi Prakash, Technical Consultant, PPVFRA. This was attendend by more then 100 farmers attended and 88 applications on rice varieties from Dhanwantari Vidha Seva Sansthan, Jagdalpur and 86 applications of rice, millets, pulses, oil seeds, vegetable and medicinal plants from Kabirdham Krishak Kalyan Samooh, Dhawaipaani were also submitted i.e., total 174 applications were submitted.

Second training cum Awareness programme were organized by IGKV entitled "*Prioritization of Chhattisgarh's indigenous crop varieties to ensure climate tolerance, nutrition, livelihood and ecosystem services*" one day workshop at IGKV on 23/10/2024 in Agri-Carnival 2024. Chief guest Dr. Ravi Prakash, Technical Advisor, PPVFRA, New Delhi & Mrs. Sonal D'Souza, Representative of Bioversity International. This was attended by more the 100 farmers.

Publications and other significant achievements on PPV&FRA: One folder "Chhattisgarh ke Paripeksh mein Paudha Kisma evam Krishak Adhikar Sarakshan ek Avlokan" on 21.07.2024 was released by Dr. T. Mohapatra, Chairperson, of the PPVFR Authority, New Delhi, Dr S.R.K. Singh, Director, ICAR –ATARI – Jabalpur, Dr. Dinesh Kumar Agarwal, Registrar-General, of the PPVFR Authority, Dr. Ravi Prakash, Technical Consultant, PPVFRA.



Applications filed with PPV&FRA for plant variety protection by the Organization (2024-25):

Crops	No of Var notified by the center in last 15 years	No of applications filed		Certificates issued	Pending applications
		New	ENV		
Rice	29	4	17	20	1

ICAR-Neh Regional Station, Lamphelpet, Manipur

Details of DUS testing of candidate varieties in 2024-25:

The experiment was carried out in *Kharif* 2024 for DUS testing which had several unique results. All the data from morphological to biochemical analysis were recorded at proper growth stages of crop by following the guidelines of the Authority. All the entries varied widely for both qualitative and quantitative characters. These data were computerized in proper format and sent to PPV& FRA. The data of reference varieties, local and regional checks which were grown against the candidate varieties and FVs for 2nd Year trial were also

Crop	FV	Gazette notified	Date of monitoring
Rice	7	5	5/11/2024



recorded and sent to PPV & FRA 2024.

During 2024, DUS characterization was carried out for 7 farmer varieties and 5 Hybrid varieties notiofied under *Seeds* Act, 1966 of rice along with 28 reference varieties including 8 maintenance lines from Manipur centre and 26 farmer varieties from the previous year. The experiment was carried out in randomized complete block design with three replications under rainfed lowland transplanted condition. Observations were recorded for 48 morphological characters and 14 post harvest characters for all the varieties. Entry from the last year 2023-24, entries like CAU-R4 (Eenotphou), CAU-R2 (Tomthinphou), CAU-R3 (Mangal phou), Dehangi (AAUDR 9313-14-3) and Him Palam Lal Dhan-1 (HPR2795) were found unique for presence of highest leaf pubescence of blade surface, stem length (134-140 cm), few panicle number per plant (<11 no.), strong secondary branching, higher 1000 grain weight(≥28g), grain shape being short bold, white decorticated grain color and presence of decorticated grain aroma.



Training cum Awareness programme on PPV & FRA conducted: A four-day awareness program was conducted on 23rd to 26th October 2024 on 5 villages of Senapati District, Manipur. The following were covered: Purul village (23rd October 2024), Oinam village (24th October 2024), Phuba village (25th October 2024) and Vakho & Koide village (26th October 2024). Under this awareness programme farmers were made aware about the benefits of the *PPV & FR* Act, 2001) which provides various rights for farmers, including the right to save, use, sow, re-sow, exchange, share, or sell their farm produce in an unbranded manner and right to register traditional varieties. It also includes the right to access seed of registered varieties at a reasonable price and recognition/rewards for conserving plant genetic resources. A total of 21 farmer's varieties were collected and out of which 5 have been submitted for characterization.



ICAR-NEH Regional Station, Nagaland

DUS testing and grow out test (GOT) of farmers' rice varieties under PPV & FRA:
ICAR- NEH Nagaland Centre received a total of 5 Rice Gazette Notified hybrids with Notification number S.O. 1056(E) Indam 200-017 (IET 20419) (Hybrid), S.O. 4222(E) Indam 200-022 (IET 20710), S.O. 1056(E) PAC 837 Plus, S.O. 1056(E) PAC 8744 Plus, S.O. 1056(E) PAC 8744 entries from the PPV & FRA, New Delhi in the year 2024-25. These 5 entries were evaluated along with 28 reference varieties during *kharif* season in lowland ecology. All the entries were found to be distinct from the check varieties.





Unique characters of few varieties:

S.No.	Name of the variety	Distinct Characters
1	KALI KASHA	-Cha 2. Basal leaf : sheath colour- Purple
2	CR DHAN 802	-Cha 2. Basal leaf : sheath colour- Dark green -Cha 39. Panicle: awns (Present)
3	RANJIT SUB-1	-Cha 26. Lemma: anthocyanin colouration of apex (Strong)
4	NUMALI	-Cha. 1. Coleoptile: Colour (Light Purple)
5	GITESH	-Cha 38. Lemma and palea colour: Brown furrow on straw
6	DEHANGI	-Cha 26. Lemma: anthocyanin colouration of apex (strong) purple
7	INGLONGKIRI	-Cha.1. Coleoptile: Colour (Light Purple) -Cha 26. Lemma: anthocyanin colouration of apex (strong) Cha 39. Panicle: awns (absent) -Cha 49. Sterile lemma colour (Present) Purple
8	BRRI-DHAN-75	-Cha.26. Lemma: anthocyanin colouration of apex (Strong) -Cha.39. Panicle: awns (Present)
9	VL DHAN 88	-Cha.1.Coleoptile: Colour (Purple) -Cha.26. Lemma: anthocyanin colouration of apex (Strong) -Cha.39. Panicle: awns (Present)
10	CAU-R2	-Cha.38. Lemma and palea colour: Brown spots on straw -Cha.39. Panicle: awns (Present)
11	CAU-R3	-Cha 14. Shape of ligule - Truncate

Assam Agricultural University, Jorhat

Details of DUS testing of candidate varieties in 2024-25:
DUS testing trial:

Crops	New	Farmers' varieties		Gazette notified	Date of monitoring
	1st year entries	DUS testing	DUS characterization		
Rice	6	1	5	5	28.10.2024

Altogether 17 entries comprising 6 new typical hybrids, 6 typical FV's and 5 notified hybrids were grown for 1st year trial during 2024-25. Among the 6 typical farmers variety, green colour coleoptile were observed in entries REG/2014/2196 and REG/2023/0172. Entry REG/2014/2198 had purple anthocyanin colouration of auricles, collar, strong anthocyanin colouration of apex, nodes and purple stigma. Anthocyanin colouration of internodes were present in entry REG/2015/1245. Brown colour awns were present in entries, REG/2015/1245, REG/2014/2198 and REG/2014/2196. Purple lemma and palea and purple sterile lemma were observed in entry REG/2023/0172. Very high 1000- grain weight was recorded by REG/2015/1245 (30.37 g) and REG/2014/2198 (27.26 g). REG/2015/1245 had white and variegated viz., brown colour of decorticated grain, while REG/2014/2198 recorded red colour. Aroma was present in REG/2014/2199, REG/2014/2196 and REG/2023/0172. Among the 5 notified hybrids, entry with notification no. S.O.1056 (E) demonstrated uniformly purple color basal leaf sheath, strong anthocyanin colouration of apex and purple color stigma. S.O.4222 (E) recorded white tip of lemma. S.O.1056 (E) recorded long bold decorticated grain shape. GT values were high in S.O.1056 (E) and low in S.O.4222 (E) and S.O.1056 (E). Aroma was present in S.O.1056 (E). Out of 55 entries grown for 2nd year; SAVA 134, PAN 2423, CAU R4 possessed purple lines on basal leaf sheaths. CR Dhan 802, SAVA 134, PAN 2423 and Uttar Sona were recorded with light purple anthocyanin colouration in auricle while CAU R4 had purple anthocyanin colouration in auricle. CAU R4, SAVA 134 and PAN 2423 possessed anthocyanin colour in collar and light purple leaf ligule.







Out of the gazette notified varieties, 3 were included as reference variety viz., CAU R2, CAU R4 and Uttar Sugandhi. Out of the 24 checks Kalijeera had green color coleoptile. CAU R4 had purple anthocyanin colouration in auricle, collar and ligule. Strong anthocyanin colouration was present at node and internode of CAU R4. Light purple stigma was recorded in Dehangi and purple stigma in CAU R4. Awns were present in Aghoni Bora, Luit, Keteki Joha, CAU R4 and Uttar Sugandhi. Secondary branching of panicles was weak in Manohar Sali, CAU R2 and Uttar Sugandhi. CAU R2, CAU R4, Kalijeera and Inglongkiri had purple sterile lemma. Grain phenol reaction of lemma was absent in Mahsuri, Co 51, Rongkhang, Keteki Joha, Dehangi, CAU R4, Uttar Sugandhi and Inglongkiri. Two entries Dehangi and Luit had red decorticated grain colour. Aroma was present in Keteki Joha, Kalijeera and Uttar Sugandhi.

3.1.2. DUS TESTING CENTRES FOR COTTON

Mahatma Phule Krishi Viswa Vidyalaya (Cotton), Rahuri

Details of DUS testing of candidate varieties in 2024-25:

The DUS center at Rahuri included six entries for first-year testing and sixteen entries for second-year testing. The center characterised notified varieties, along with eight commercial hybrids or zonal/national checks. All entries were found to be uniform and stable. In the first-year testing, among the six entries, three (2010/351, 2010/55 & 2010/533) exhibited a flat leaf appearance, while the remaining three (2014/767, 2014/769 and 2014/0057) displayed a cup-shaped leaf appearance. Regarding boll shape, two entries (2024/0057 and 2010/533) had round bolls, three entries (2010/351, 2010/55, and 2014/767) exhibited ovate-shaped bolls, and one entry (2014/769) had elliptic-shaped bolls. Petal and pollen colors varied among the tested entries: four entries (2010/351, 2010/55, 204/0057, and 2010/533) had cream-colored petals, while two entries (2014/767 and 2014/769) had yellow-colored petals.

Crops	New		Extant (VCK)	Gazette notified	Date of monitoring
	1st year entries	2nd year entries			
Cotton	4	16	2	35	29/11/2025



In the second year of testing, among the 16 candidate hybrids, six exhibited yellow-colored petals, nine had cream-colored petals, and one displayed deep yellow-colored petals. Regarding pollen color, five hybrids showed yellow pollen, ten had cream-colored pollen, and one exhibited deep yellow-colored pollen. In terms of boll shape, eleven hybrids had ovate-shaped bolls, four had round-shaped bolls, and one hybrid exhibited an elliptic-shaped boll. As for leaf appearance, thirteen hybrids displayed a flat leaf appearance, while the remaining three exhibited a cup-shaped leaf appearance.



During the 2024–25 season, monitoring of the DUS (Distinctness, Uniformity, and Stability) trials at the Cotton Improvement Project, Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri, was conducted on 29th November 2024. The monitoring team comprised Dr. S. B. Deshmukh (Senior Cotton Breeder, Dr. PDKV, Akola), Mr. Dipal Roy Choudhury (Joint Registrar, PPV&FRA, New Delhi), and Dr. V. Santhy (Nodal Officer & Principal Scientist, CICR, Nagpur), with coordination by Dr. P. L. Kulwal (Nodal Officer & Cotton Breeder, MPKV, Rahuri) to observe their entries. Input on maintenance breeding (e.g., number and source of reference and example varieties maintained, method of maintenance, characterization details and if any new reference variety be included. During the moitoring, Dr. F. B. Patil from M/S Dhanlaxmi Seeds, Maharashtra, also participated.

Key Remarks of the Monitoring Team

- The trials were conducted in accordance with DUS guidelines. The fields were well maintained, weed-free, and the expression of morphological characters was clearly visible.
- Plant growth at Rahuri was observed to be more vigorous. The performance of the tested varieties was found to be uniform, satisfactory, and good.

Recommendations of the monitoring team:

- Notified varieties should be sown together in groups based on species and similar traits.
- It is recommended that PPV&FRA share the Technical Questionnaire (TQ) of candidate varieties with all DUS centres.
- Variation in certain genotypes was observed for boll shape (a mix of ovate and round) and leaf appearance (flat and cup-shaped). It was suggested to record the number of plants exhibiting such variation in each entry and to take photographs of these specific characters and entres may cross check the expessions from other centre.
- In case of any discrepancies observed between Central Zone (CZ) centres (ICAR-CICR, Nagpur and MPKV, Rahuri), it is advised that the respective Nodal and Co-Nodal Officers consult one another to ensure accurate data recording and interpretation of visually observed traits before final submission to PPV&FRA.
- It is suggested that monitoring of Central Zone trials be scheduled between the last week of October and the first week of November to better capture traits related to leaf, flower, and boll development in the field.
- The monitoring team also visited the Hyperspectral Imaging Laboratory under the CAAST-CSAWM project and recommended exploring the use of this technique in DUS testing, initially on a pilot basis.

ICAR- Central Institute for Cotton Research, Regional Station, Nagpur

Details of DUS testing of candidate varieties in 2024-25:

Crops	New		VCK	EDV/IV	Gazette notified	Date of monitoring
	1st year entries	2nd year entries				
Cotton	4	16	02	4 EDVs with 4 IVs	35	28.11.2024

1st Year Testing	VCK	EDV	Initial Variety	2nd Year Testing
PRCH-504 Bt2, PCH-115 Bt2, RHC-0717, RHCb-011	ZCH-545 BGII, PC-P 281 Bt	NC-99 Bt2 GMS NC-6134 Bt2 GMS NC-160/3 Bt2 GMS PC-P3812/2 Bt2 GMS	NC-99 Bt2, NC-6134 Bt2, NC-160/3 Bt2, PC-P3812/2 Bt2	NCS-908 Bt2,NCS-909 Bt2, NCS-858 Bt2,NCS-860 Bt2,NCS-913 Bt2, NCS-854 Bt2, PRCH-31 Bt, NCS-1122 BG2, PCH-404 Bt2, PCH-2171 Bt2, PCH 876 Bt2, NCHB-990 Bt2, LATA, PSCP-02BG2, PSCP-03 Bt, NC-5040 BG2



The season witnessed normal rainfall with satisfactory plant growth. The germination report of entries was submitted to PPVFRA in time and was satisfactory for all entries. Timely management of field and necessary plant protection measures was undertaken. The plants of each variety (from a population of 50 plants) are observed at flower initiation for leaf and flower characters and off-type plants are removed. The leaf samples from true to type plants were subjected for ELISA testing so as to ensure absence of Bt gene in non-Bt varieties and presence of Bt gene in Bt varieties. The selected plants were maintained further by intense selfing for a period of 60 days. Selected selfed plants were harvested and fibre quality tested. Training cum Awareness programme on PPV&FRA was onducted jointly by ICAR-CICR- KVK and ICAR-CCRI, Nagpur in which a training lecture on Farmers' Rights Under Protection of Plant Varieties Act, 2001' was specifically given by ICAR-CICR, Nagpur on 25th March 2025



Applications filed with PPV&FRA for plant variety protection by the Organisation (2024-25):

Crops	No of Var notified by the center in last 15 years ICAR-CICR	Certificates issued for ICAR-CICR
Cotton	42	12

ICAR- Central Institute for Cotton Research, Regional Station, Coimbatore

Details of DUS testing of candidate varieties in 2024-25:

Crops	New		EDV/IV	Gazette notified entries	Date of monitoring
	1st year entries	2nd year entries			
Cotton	2	22	4 with 4 IVs	36	25.01.25



In the first-year trial, out of ten entries, eight were EDV and IV namely NC-99 Bt2 GMS (EDV) NC-99 Bt2 (IV); NC-6134 Bt2 GMS (EDV); NC-6134 Bt2 (IV); NC-160/3 Bt2 GMS (EDV); NC-160/3 Bt2 (IV); PC-P 3812/2 Bt2 GMS (EDV); PC-P 3812/2 Bt2 (IV). There were 22 entries in the category of second year testing. There were four gazette notified hybrids and 32 gazette notified varieties along with 15 reference varieties were sown. Another 28 entries were multiplied during Kharif 2024. Germination and

seedling growth was good; expression of qualitative traits was optimum, all the entries tested were of uniform and stable.

DUS trials of 2024-25 were monitored through online on 25.1.25 and following persons participated: Mr Dipal Roy Choudhury, JR, PPVFRA, New Delhi; Dr V Santhy, Principal Scientist, ICAR-CICR, Nagpur and Dr Sandeep Kumar, Scientist, CCS HAU, Hisar. A total of 37 traits were recorded in the field. NCS 865Bt2 and NCHB 867 Bt2 entry showed leafhopper infestation in all replications. However, entry PC P35112 BG II shown profuse leaf hairiness. It was suggested to include at last five hybrid varieties popular in the region as reference varieties in the forth coming trials. It was advised by the committee to change the location of field for better crop expression.

Chaudhary Charan Singh Haryana Agricultural University, Hisar

Details of DUS testing of candidate varieties in 2024-25:

Crops	New		Gazette notified entries	Date of monitoring
	1st year entries	2nd year entries		
Cotton	1	7	21	23/10/2024

A set of eight candidate hybrids (1 in first year and 7 in second year), 21 gazette notified varieties, were received from PPV & FRA, New Delhi on 15th May, 2024. All entries along with three references checks (RCH 773, ACH 177-2 and H-1098i) and 13 reference varieties were evaluated as per the DUS guidelines.

Total number of rainy days from May- November, 2024 was twenty-one and total rainfall during this period was 483.5 mm. In the month of May, more than 40^0 C temperature was recorded for 25 days and above 45^0 C temperature for five days. There was no Western Disturbance event during this month at Hisar location. The average temperature was 41.8^0 C in the month of May, 2024.

All the entries were sown in randomized block design (RBD) with three replications and the observations were recorded for the DUS parameters. Hypocotyl colour was recorded after seven days of sowing. The crop started attaining flowering in the month of June-July. All the data (Qualitative and pseudo-qualitative/quantitative) were recorded at appropriate growth stage of crop.

1. Out of 32 entries (eight candidate hybrids, 21 gazette notified varieties and three checks), 16 had hypocotyl pigmentation. All the entries except **F 2383, PBH 115** and **LD 949** had palmate (normal) leaves.



2. Among eight candidate hybrids, 21 gazette notified varieties and three checks, only four entries (**NCS-856 Bt2, PCH-878 Bt2**, **PAU Bt1 and PBH 115**) were semi-spreading type and rest were spreading types.

3. The entries**, NCS- 856 Bt2, RS 2818** and **PCH 878 Bt2** had light yellow petal colour.





4. Seven entries *viz.,* NCS-855 Bt2, NCS-856 Bt2, NCS-459 Bt2, NCS-9013 Bt2, PCH-9611 Bt2, NC-160/3 BG-II and NC-160/1 BG-II had blunt type bolls, while rest of the entries had pointed bolls.







5. The variety LD 949 had variegated petal colour and LD 1019 had cream petal with petal spot.

6. **LD 949 and LD1019** had yellow pollen colour and petal spot while rest of the entries had cream pollen colour and no petal spot.

Punjab Agricultural University, Regional Station, Bhatinda

Details of DUS testing of candidate varieties in 2024-25:

Crop	New		Gazette notified entries	Date of monitoring
	1st year entries	2nd year entries		
Cotton	NCS-855 Bt2	NCS-856 Bt2, NCS-459 Bt2, NCS-9013 Bt2, PCH-9611 Bt2, PCH-878 Bt2, NC-160/3 BG-II, NC-160/1 BG-II	21	23.10.2024

Details of DUS testing of gazette notified varieties in 2024-25	RS 2827, RS 2818, CSH-3129, MC5408 BGII, Pravir (MC5403 BGII), F2228, F2383, LD 949, LD 1019, FBt 6-4 PAU Bt3, PBH 116, PAU Bt1, PAU Bt2, PBH 115, RCH 938 BGII, RCH 951 BGII, RCH 846 BGII, RCH 926 BGII, RCH 960 BGII, PAU Bt 5, SP7674 BGII

DUS testing trial:



Seeds of eight transgenic and hybrid cotton lines, along with 21 notified varieties, were received from PPV & FRA, New Delhi for DUS testing during *Kharif* 2024. All entries, along with 17 reference varieties and three checks, were evaluated under randomized block design following the standard recommended DUS (Distinctness, Uniformity, and Stability) test guidelines. Observations were recorded at the optimum growth stage of the crop. All transgenics and hybrids exhibited palmate (normal) leaf shape. Variation in petal colour was observed in one of the candidate variety and one hybrid showed variation in pollen colour. All hybrids exhibited exerted stigmas. Additionally, four varieties showed variation in boll shape, exhibiting both round and ovate bolls. Among gazette notified varieties, two varieties were of *G. arboreum* i.e. diploid cotton and eight were *Bt* cotton hybrid.



Universiy of Agricultural Sciences, Dharwad

Details of DUS testing of candidate varieties in 2024-25:

Crop	New		Gazette notified entries	Date of monitoring
	1st year entries	2nd year entries		
Cotton	2	22	36	08-02-2025

Seed material of cotton DUS testing for 2024-25 at ARS, Dharwad Farm, UAS, Dharwad was received on 14-06-2024 and 24-06-2024 in two lots. Seed weight for all the entries was recorded and was 300 g for all the entries received for testing and 200 g for reference entries received along

with test samples. Sowing was done on June 22, 2024. Randomized block design was practiced with three replications for testing except for Gazette notified varieties/hybrids trials recommended for south zone. As per PPVFRA suggestions, these trials were planted as un-replicated with five rows each.

All candidate varieties including tetraploid and diploid species were characterized along with 16 reference varieties. Germination was fair in almost all the entries except Phule, a genotype from Gazette notified varieties trial for south zone, which showed germination below 5% and Adilabad kapas, a genotype mentioned in Gazette notified varieties trial failed to germinate even after repeated sowings. This observation has already been reported in germination report sent after 3rd week of sowing and also in half yearly report. Further, entry CNH-1128 with serial no. 9 in the Gazette Notified varieties for south zone (2nd year trial) should be *G. hirsutum*. But the entry was showing expression of *G. arboreum* type. As this trial is repeated for second year testing, this observation was also reported in the previous testing year report 2023-24. The rainfall received during this season was in normal to excess. This has led to longer vegetation period and flowering was been delayed which is evidenced by data representing the delayed flowering in all the entries. Data was compared with previous 1st year data recorded at UAS, Dharwad to substantiate the statement. This impacted classifying the genotypes as early/medium/late based on 50 % flowering data.



Diploid reference genotypes such as AKA-7 and AKA 8 recorded GOT (Ginning out turn) as high as 45.16% and 43.53%, respectively. Other testing genotypes such as LHDP Cotton-1 (Tetraploid), Phule JLA-0603 (Diploid), and ICAR-CICR 23 BT (Tetraploid), NBC 1821 BG II (Tetraploid), SP7686 BG II (Tetraploid) and Cotton CO 15 (Tetraploid) recorded GOT between 37% and 39%. Genotypes such as CICR-B Cotton 37, CICR B Cotton 45 (CCB 143B), Daftari-615 (BG-II), INDAM-1642 BG II, NBHB 2205 BG II, NBHB-1851 (H x B) BG II, DCH-32 BG II Bt and NCHB-991 Bt2 recorded better fibre properties; fibre length (33 mm-35.2 mm), fibre strength (30.2 g/tex-39.3 g/tex) and fibre fineness (3.5 - 4.2 micronaire value).



Applications filed with PPV&FRA for plant variety protection by the Organization

Crop	No of Var notified by the center Since 1999	Certificate issued
Cotton	11	2

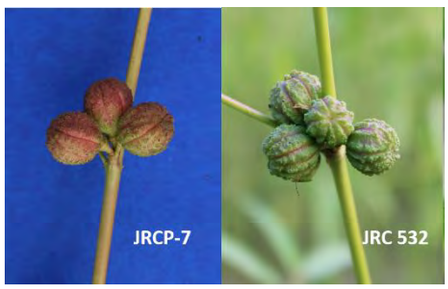
3.1.3. DUS TESTING CENTRES FOR JUTE

ICAR-Central Research Institute for Jute and Allied Fibers, Barrackpore & Csrsjaf, Bud Bud, Burdwan, WB

Details of DUS testing of candidate varieties in 2024-25:

Ten varieties of two species of *Corchorus* i.e. *olitorius* were tested in DUS trial during 2024-25 in second year testing cycle. One *C. capsularis* candidate variety viz., JRCP-7 along reference varieties, e.g., JBC 5, JRC 532 and Bidhan Pat-3 and one *C. olitorius* variety viz., JROP-4 (reference varieties: S-19 and JRO 2407) were tested along with their respective reference varieties for 1st growing season . Sowing was done on 15.03.2024 at ICAR-CRIJAF, Barrackpore (Nodal centre) and on 17.03.2024 at ICAR-CSRSJAF, Bud Bud, West Bengal (Co-nodal centre). During entire crop growth period 17 DUS characteristics were recorded following DUS test guideline. Crop growth was satisfactory in both the trials at both locations.

Crop	New	
	1st year entries	2nd year entries
Jute	2 cand. + 5 ref.	2 cand. + 8 ref.



In both *capsularis* and olitorius entries plants were uniform with regard to expression of traits. In case of *capsularis* varieties, all four entries were uniform in expressions of DUS characteristics. Leaf lamina colour and leaf vein colour were green (RHS:137 A) and petiole colour was red in all the varieties although differed in RHS colour chart number. Most of the varieties can be distinguished on the basis of stem colour . Stem colour was Coppery red (178 A) in JRC-321 (23JU01T) and Padma (23JU04T), red (44 A) in RRPS-C-3 (23JU03T), purple in (187 D) in REG/2022/0166 (23JU02T). These two varieties *viz.* JRC-321 (23JU01T) and Padma (23JU04T) could be distinguished with respect to seed size (extra large 3.75g in JRC-321:23JU01T and large 3.39g in Padma: 23JU04T. Plant height was medium (304-326cm) and leaf shape (characteristic-7) was ovate-lanceolate in all capsularis varieties. Time of flowering (characteristic-12) was late (>100days) and seed colour (characteristic-17) was chocolate brown in all these *capsularis* varieties. Pigmentation of calyx was green (RHS:137 A) in RRPS-C-3:23JU03T and red in 23JU01T:JRC-321, 23JU02T: REG/2022/0166, and 23JU04T:Padma although RHS colour chart no. differed in 23JU02T: REG/2022/0166. Pod pigmentation (characteristic-14) was green in 23JU03T, and red in 23JU01T:JRC-321, 23JU02T: REG/2022/0166, and 23JU04T:Padma.



In case of *olitorius* varieties candidate variety REG/2022/0167 was tested along with five reference varieties (JROB-2, NJ-7005, NJ-7010, JRO-524 and AAU-OJ-1). Stem colour (characteristic-6) was green (RHS:144 B) and leaf shape (characteristic-7) was ovate-lanceolate in all varieties. Plant height (characteristic-8) was medium (301-400cm) in REG/2022/0167, JRO-524 and AAU-OJ-1 and tall (>400cm) in JROB-2, NJ 7005 and NJ-7010. Fibre fineness (characteristic-9) was fine (2.81-3.22 tex) in NJ-7005 and NJ-7010 and very fine (<2.8 tex) in REG/2022/0167, JROB-2, JRO-524 and AAU-OJ-1 whereas fibre strength (characteristic-10) was fairly good (23.5-26.4g/tex) in NJ-7005, average & weak (20.4g/tex &below) in REG/2022/0167, fairly average (20.5-23.4g/tex) in JROB-2, NJ-7010, JRO-524 and AAU-OJ-1 at both the centres. Most of these varieties were distinct from each other with respect to seed color (characteristic-17) (JROB-2: black with red ridge and apex; NJ-7005: steel grey (N186A); REG/2022/0167: brownish grey (RHS: 200 A); 23JU08T: chocolate brown (RHS: 166 A); JRO-524: black (203 A); AAU-OJ-1: steel grey (N 200 B).

In Trial –II the candidate variety JRCP-7 in 1st growing season could be distinguished on the basis of their fibre strength, stipule colour and pod pigmentation pattern from all other reference varieties. The candidate variety JROP-4 (C. olitorius) in 1st year growing season could be distinguished on the basis of leaf vein colour, fibre strength, seed size and seed coat colour from the reference varieties *viz.* S19 and JRO-2407. The leaf vein colour was green in JROP-4 while red in S19 and JRO-2407. With respect to fibre strength JROP-4 had Fairly average (20.5-23.4g/tex) fibre while S19 and JRO-2407 had Fairly good (23.5-26.4g/tex) fibre. With respect to Seed size, it was Medium (2-3g 1000 seed weight) in JROP-4 while small (<2g 1000 seed weight) in both S19 and JRO-2407. The seed coat colour of JROP-4, S-19 and JRO 2407 were found to be steel grey, black and green respectively.



Applications filed with PPV&FRA for plant variety protection by the Organization:

Crops	No of Var notified by the center Since 1966	No of Var notified by the center Since 1999	No of applications filed			Certificates issued
			ENV	New	VCK	
C. olitorius	18	15	11	9	-	9
C. capsularis	11	10	7	7	-	6

3.1.4. DUS TESTING CENTRES FOR MAIZE

ICAR-Indian Institute of Maize Research (ICAR-IIMR), LUDHIANA

Details of DUS testing of candidate varieties in 2024-25:

Crop [Maize]	New		VCK	Total	Date of Monitoring
	1st year	2nd year			
Hybrid	8	6	16	30	08.10.2024
Inbred	-	-	1	1	08.10.2024
Notified Hybrids	28	-		28	

The sowing of the DUS trial (2nd year testing) was done on 16th July at Pusa Campus, IARI, New Delhi, whereas of 1st year testing was done on 16th July, 2024. The DUS testing was done on a total of 83 entries (17 candidate varieties, 30 reference varieties) in 1st year testing. The 2nd year testing included 6 candidate and 17 reference varieties). The overall plant stand, growth and expression of the DUS testing trial were satisfactory in all three replications. However, the germination percentage of a few reference varieties viz., Shaktiman-5, CP 838 and Sikkim Sankul Makka-1 was below 50%. Data on various DUS descriptors have been recorded for all the entries as per the DUS guidelines. The 10 plants data of DUS descriptors along with note values of candidates and reference entries for which DUS testing was conducted during Kharif 2024 were submitted for their record and reference.



Except for a few entries, the entries in 2nd season of testing showed uniformity. The performances, disrepecies in expession(s) observed for one or two traits in a few entries were discussed during the monitoring meet where Sh. Dipal Roy Choudhury, Joint Registrar, PPVFRA, New Delhi participated.

Observations duirng the Monitoring

i. The DUS testing was conducted as per the DUS Guidelines, with most candidate entries in the trial were found uniform during observations, except for a few entries showing discrepancies in traits like leaf angle, tassel attitude, and anthocyanin coloration.

ii. Except for a few entries (e.g., QMH-1025 for Tassel attitude) most of the entries were uniform.

The cente maintaine **65 inbred lines, mostly being used as reference inbred lines.**

Training cum Awareness programme on Farmer Rights and Seed Preservation: One-day Farmer Rights Awareness Program was held at the Regional Maize Research and Seed Production Center, Begusarai, on 12th November, 2024. Forty farmers from eight districts of Bihar participated in the event, and learned about seed preservation, multiplication, and registration under PPVFRA.



Applications filed with PPV&FRA for plant variety protection by the Organization (in 2024-25)

Crops	No. of Varieties notified by the centre Since 1966	No. of Varieties notified by the center Since 1999	No. of applications filed		Certificates issued	Pending applications
			NEW	VCK		
Maize	405	260	57	99	131	3

Table 1: List of reference varieties/zonal or local checks under DUS testing at ICAR-IIMR, Ludhiana during Kharif 2024 (1st year trial)

S. No.	Names	Category	S. No.	Names	Category
Hybrids					
1	BIO605	Zonal/Local	15	HQPM5	Reference
2	BIO9544	Reference	16	LG3405	Zonal/Local
3	BIO9682	Zonal/Local	17	NK6240	Zonal/Local
4	CMH-08-282	Zonal/Local	18	P3396	Zonal/Local
5	CMH-08-292	Reference	19	P3401	Reference
6	CP858	Reference	20	PMH-1	Reference
7	DHM117	Reference	21	Pratap Hybrid Maize 3	Reference
8	DHM121	Reference	22	Shaktiman-1	Reference
9	DHM206	Reference	23	Shaktimann-4	Reference
10	DKC7074	Zonal/Local	24	Vivek Hybrid-9	Reference
11	DKC9144	Reference	25	GK 3018 Super	Reference
12	GK3237	Zonal/Local	26	PMH 13	Zonal/Local/Reference
13	GK3266	Zonal/Local	27	CoH(M) 5	Reference
14	HQPM-1	Reference			
Inbreds					
1	HKI161	Reference	3	BML7	Reference
2	BML5	Reference			

Annexure II

Table 2: List of reference varieties/zonal or local checks under DUS testing at ICAR-IIMR, New Delhi during Kharif 2024 (2nd year trial)

S. No.	Reg. no.	Category	S. No.	Reg. no.	Category
Hybrids					
1	AMH 3436	Reference	10	3499	Reference
2	3033	Reference	11	BIO 9544	Reference
3	P3401	Reference	12	BIO 605	Zonal/Local
4	DMRH 1308	Reference	13	NK6240	Zonal/local
5	TMMH826	Reference	14	BIO9682	Zonal/Local
6	TMMH 844	Reference	15	VLQPM Hybrid-59	Zonal/local
7	DEKLAB 9144	Reference	16	GK 3155	Zonal/Local
8	Ajeet surya	Reference	17	Hybrix-53	Zonal/local
9	BOND NMH007	Reference			

Table 3: List of inbred lines in maintenance breeding at ICAR-IIMR, New Delhi in DUS project during Kharif 2024:

S. No.	Genotype	S. No.	Genotype	S. No.	Genotype	S. No.	Genotype
1	IGI1104	18	QMI1403	35	IML343-1	52	UMI1200
2	GYL-2	19	QMI1401	36	IML242-1	53	UMI1240
3	IGI1101	20	QMI1309	37	HKI1105	54	UMI1201
4	IGI1102	21	QMI1775	38	IML127-1	55	PDM-260-1
5	CML111	22	BML7	39	CAL1426-2	56	PPH-77-4
6	CML451	23	BML45	40	BAJIM-08-27	57	LM13
7	CAL1426-2	24	BML6	41	CLQ-40	58	LM14
8	GPM114	25	BML100	42	BL161	59	LM15
9	KML225	26	BML105	43	HKI1040-7	60	LM16
10	PFSR-3	27	HKI163	44	BAJIM-09-64	61	LM17
11	CML165	28	JP8	45	95IOWA	62	LM27
12	CML186	29	IML418-1	46	1532	63	EI586-2
13	CML161	30	IML194	47	SUWAN	64	EI670-2
14	CML176	31	DPCL117	48	BL735	65	EI1586-2
15	CML451	32	V373	49	CAL1415		
16	VQL1	33	DPCL1590	50	UMI1210		
17	GPM342	34	DPCL292	51	UMI1230		

SRTC, Prof. Jayashankar Telangana State Agricultural University (PJTSAU), Hyderabad

Details of DUS testing of candidate varieties in 2024-25:

DUS testing trials in maize during 2024-25 were conducted for 104 entries including candidate and reference (comprising 25 First year hybrids including 8 new hybrids, 16 VCK hybrids and 1 VCK typical, 6 second year hybrids, along with twenty eight (28) gazette notified entries, 32 references and 13 farmer varieties.

S. No.	New		FV	Other Category (VCK)	Total
	Hybrids	Inbred Lines			
1st Year	08	-	13	17 VCK	38
2nd Year	06	-	-	-	06
Gazette notified entries	28	-	-	-	28
References	29	03	-	-	32
Total	71	03	13	17	104

Sowing of all the hybrids was taken up on 26.7.2024 after receipt of sufficient rainfall. The seedling stage of the crop was exposed to continuous heavy rains during August 2024 all care was taken to drain the excess water from the field. Sufficient rainfall was received during the entire crop season and irrigations were given whenever necessary. Timely plant protection and weed control measures were taken up to raise a healthy crop. Expression of all DUS traits was good in all the entries and data was recorded timely as per the DUS guidelines. Two inbred reference entries, HKI 161 and BML-5 (2nd year testing) recorded low germination percents of 15 % and 35 % respectively. It was observed that one famer variety, MogDana has no seed set.





Most of the entries exhibited uniform and clear expression of traits. However, farmer's varieties exhibited variable expressions for some DUS traits.

DUS testing trials of hybrids and inbred lines were conducted as per the DUS test guidelines. DUS evaluation of 25 candidate entries (First year), six (06) 2nd year hybrids, 13 farmers' varieties, 32 references and 28 gazette notified entries was taken up.

List of entries (2024):

I. First year candidate entries tested during *Kharif* 2024

S. No	Reg. No.	Denomination	Type	Category	S. No	Reg. No.	Denomination	Type	Category
1	REG/2023/0126	Ellora commando 1112	New	Hybrid	14	REG/2024/0154	DKC 9198	VCK	Hybrid
2	REG/2024/0100	P 34407		Hybrid	15	REG/2024/0166	P 3312		Hybrid
3	REG/2024/0099	P 35105		Hybrid	16	REG/2024/0160	DKC 8209		Hybrid
4	REG/2024/0362	P 3319		Hybrid	17	REG/2024/0162	DKC 9217		Hybrid
5	REG/2024/0361	P 3532		Hybrid	18	REG/2024/0161	DKC 9210		Hybrid
6	REG/2024/0425	DKC 9228		Hybrid	19	REG/2024/0169	DKC 9208		Hybrid
7	REG/2024/0158	TMMH 8418		Hybrid	20	REG/2024/0164	P 1890		Hybrid
8	REG/2024/0165	P 34104		Hybrid	21	REG/2024/0259	P 1891		Hybrid
9	REG/2024/0098	P 3524	VCK	Hybrid	22	REG/2024/0247	NMH-4786		Hybrid
10	REG/2024 0101	P 33309		Hybrid	23	REG/2018/92	QMHSC-1182		Hybrid
11	REG/2024/0167	GOLD 1166		Hybrid	24	REG/2018/93	QMH-1025		Hybrid
12	REG/2024/0163	P 18245		Hybrid	25	REG/2024/0248	NM-1411		Typical
13	REG/2024/0159	DKC 8181		Hybrid					

II. List of 2nd year hybrids tested during *Kharif* 2024

S. No	Reg. No.	Denomination	Category
1	REG/2022/0157 H	SMH-4636/SIRI-YAMAZAIK	Hybrid
2	REG/2022/0164 H	TMMH 836	Hybrid
3	REG/2023/0030 H	SMH 3564 (STAR X 7 POWER)	Hybrid
4	REG/2023/0039 H	IMH 224	Hybrid
5	REG/2023/0070 H	NMH 8392	Hybrid
6	REG/2022/0157 H	MM 2169	Hybrid

III. List of farmer's varieties tested during *Kharif* 2024.

S. No	Reg. No.	Denomination	Type	Category	S. No	Reg. No.	Denomination	Type	Category
1	REG/2017/2022	AH-M	Farmer	Typical	8	REG/2016/404	KUKKUD MAKKA	Farmer	Typical
2	REG/2017/1654	PLANDRI	Farmer	Typical	9	REG/2018/171	MOG DANA	Farmer	Typical
3	REG/2018/566	TANRA MAKAI	Farmer	Typical	10	REG/2024/0346	JISULAL MAKKA*	Farmer	Typical
4	REG/2016/107	PIVALA LAL MAKKA	Farmer	Typical	11	REG/2024/0351	MAKKA DHIBRI	Farmer	Typical
5	REG/2016/108	PIVALA LAHAN MAKKA	Farmer	Typical	12	REG/2024/0347	DHIBRI MAKKA DESI	Farmer	Typical
6	REG/2016/109	PIVALA MAKKA	Farmer	Typical	13	REG/2024/0352	DESI MAKKA	Farmer	Typical
7	REG/2016/110	KESHRI MAKKA	Farmer	Typical					

IV. List of references tested during *Kharif* 2024 Reference varieties sent by PPV&FA

S.No.	Hybrids	Category	S.No.	Hybrids	Category
1	P 3401	Hybrid	7	BOND NHM 007	Hybrid
2	AJEETH SURYA	Hybrid	8	DEKLAB 9144	Hybrid
3	TMMH 826	Hybrid	9	AMH-3436	Hybrid
4	3499	Hybrid	10	3033	Hybrid
5	DMRH 1308	Hybrid	11	TMMH 844	Hybrid
6	BIO 9544	Check			

Reference varieties sent by PAU, Ludhiana.

12	HQPM-1	Hybrid	23	GK-3237	Hybrid
13	VIVEK HYBRID-9	Hybrid	24	DHM 121	Hybrid
14	SHAKTIMAN-4	Hybrid	25	LG 3405	Hybrid
15	SHAKTIMAN-1	Hybrid	26	BIO 9682	Hybrid
16	PMH-1	Hybrid	27	P 3396	Hybrid
17	PAC-751	Hybrid	28	DHM 117	Hybrid
18	HQPM-5	Hybrid	29	Bio 605	Hybrid
19	DKC-7074	Check	30	BML-7	Inbred
20	DHM 206	Zonal check	31	HKI 161	Inbred
21	GK 3266	Hybrid	32	BML-5	Inbred
22	NK-6240	Check			

V. List of gazette notified entries tested during *Kharif* 2024

S.No.	Gazette notified variety	S.No.	Gazette notified variety
1	VL QPM HYBRID-59	15	GPMH-110
2	HI BRIX 53	16	Central maize sweet corn 1
3	VIVEK HYBRID 27	17	RJ-2020-N-13-8
4	CP 838	18	ADV 756
5	CP 999	19	VLQPM Hybrid-61
6	SHAKTIMAN-5	20	VLQPM Hybrid- 63
7	Karimnagar makka	21	JKMH 4222
8	HI BRIX 39	22	RCRMH-4
9	PAC 751	23	ADV 7132 (ADV 765)
10	VL Sweet Corn Hybrid 2	24	Sikkim Sankul Makka
11	ADV 757	25	SKMC-2 (SKMC-03)
12	ADV 759	26	COH (M)11 (CMH 12-686)
13	ADV 764	27	Pusa Jawahar Hybrid Maize-2 (AH-4271)
14	AH 7043	28	GDYMH-101 (BYMH-13-5)

3.1.5. DUS TESTING CENTRES FOR SOYBEAN

ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora

Soybean

15 May, 2024

10 candidate varieties (REG/2023/0034, REG/2023/0045, REG/2023/0046, REG/2023/0053, REG/2022/0061, REG/2022/0078, REG/2022/0079, REG/2022/0080, REG/2024/0127, REG/2024/0126) + 9 reference varieties (VL Soya 63, MACS 1281, JS 9305, JS 9560, PS 1029, PS 1347, RSC 11-07, NRC 7 and KB 79) were sown on 2 July 2024 and data were recorded for DUS characterization. Reference varieties (129) are maintained at ICAR-IISR, Indore.

Table: Details of DUS testing of candidate varieties in 2024-25.

Crops	New		VCK	FV
Soybean	1st year entries	2nd year entries		
	REG/2023/0045 REG/2023/0046 REG/2023/0053	REG/2022/0061 REG/2022/0078 REG/2022/0079 REG/2022/0080	REG/2024/0127 REG/2024/0126	REG/2023/0034

Centre facilitated registration of following farmers' varieties in 2024-25, and is under DUS characterization.

- Rice-Ramanna Lal Dhan (REG/2022/0131)
- Rice-Dudh Dhan (REG/2022/0130)

- Rice-Baurani Dhan (REG/2022/0132)
- **Rice-Safed Dhan**
- **Rice-Kawthuni Dhan**
- Finger millet-Gol Madua (REG/2023/0088)
- Finger millet-Jhumkiya Madua (REG/2023/0087)

Table: Applications filed with PPV&FRA for plant variety protection by the Organization

Crops	No of Var notified by the center in last 15 years	No of applications filed			Certificates issued
		N	VCK	ENV	
Soybean			2		2
Rice			2		2
Maize			2		2
Garden pea			2		2
Wheat			1		1

ICAR-Indian Institute of Soybean Research, Indore, Madhya Pradesh

A total of 164 released and notified soybean varieties were maintained during Kharif 2024. Few of the older varieties being sensitive to climate change, have shown frequent failures in past few years. Their maintenance largely depends on the preservation of old seeds for future multiplication. Seeds of the notified varieties are stored at low temperature (~15.5 °C) in a BOD incubator, though with limited capacity. Existing varieties are being critically studied for variations in morphological traits to achieve more accurate classification, including seedling hypocotyl color, leaf shape and size, inflorescence type, pod pubescence, pod and hilum color, seed color, and days to maturity. Additionally, DUS testing was conducted for six candidate varieties along with eight reference varieties for the 1st year, and four candidate varieties with three reference varieties for the 2nd year, evaluating 19 morphological and three biochemical traits. The compiled report has been submitted to PPVFRA.



3.1.6. DUS TESTING CENTRES FOR BREAD WHEAT, DICOCCUM, DURUM AND OTHER TRITICUM SP.

ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana

ICAR-IIWBR, Karnal is the Nodal centre for the conduction of DUS test in Wheat (bread wheat, durum and dicoccum wheat). The 2nd year data of DUS traits recorded on 93 coded entries (61 entries in bread wheat, 6 in durum and 26 in dicoccum) during 2023-24 at all the centers was compiled and submitted to the Authority on 04/09/2024 through email for decision making. Beside this, 1st year data on DUS traits was recorded on 41 entries. During crop season 2024-25, 53 wheat entries that includes 2nd year testing of 41 entries (23 in bread wheat, 3 in durum wheat and 15 in dicoccum wheat) and Ist year testing of 12 bread wheat entries (3 new typical and 9 farmer) were tested in four DUS trials as per the DUS test guidelines of wheat published by PPV&FRA (Table 1). Each entry was sown in 6 rows plot of 6m with 3 replications.



Overview of DUS field

Table 1. Entries in DUS trial at IIWBR, Karnal

Crops	2nd year entries	1st year entries
Bread wheat	2890/2108, 2890/2111, 2890/2110, 2890/2109, 2889/2205 (EAGLE 1214), 2889/2177 (GGWT 1912), 23 BRHIE01, 23 BRDB0302, 23 BRDB0703, 23 BRHII04, 23 BRHII05 (HI1563), 23 BRHIA06 (HI1544), 23 BRHD8507, 23 BRWBB210, 23 BRRW4611, 23 BRGW9612, 23 BRHS9013, 23 BRDB2714, 23 BRHIN15, 23 BRHIA16 (HI1531), 2890/2134, 2890/2135, 2877/3940	NWS 2214, WAH GEHUN, SUDOL GODHAM, MEHRSE GEHU, DASAU GOTHAM, GOL GANDHAM, RAJ GEHUN, PIHU GOLD, SONAM, ESHIKA GOLD
Durum	2890/2112, 23 DUDD4701, 23 DUWH4302	

Dicoccum wheat	2890/2033, 2890/2034, 2890/2035, 2890/2036, 2890/2037, 2890/2038, 2890/2039, 2890/2040, 2890/2041, 2890/2042, 2890/2043, 2890/2044, 23 DIDD2501, 23 DIDD2902, 23 DIHW9803	

The crop growth and expression of morphological characters were good in all the entries. Observations on DUS characteristics on all the characters were recorded as per the prescribed guidelines. All the entries showing uniformity except 3 entries (SUDOL GODHAM, DASAU GOTHAM, ESHIKA GOLD). The entry GOL GANDHAM is of sphaerococcum species, while the entry number 23 BRHIE01, 23 BRHII04 and 23 BRHIN15 are of durum speciest rather than bread wheat, while the entry number 2890/2034 is of durum wheat rather than dicoccum wheat (as claimed by the candidate).

R**egistration of varieties with PPV&FRA:** Two bread wheat varieties namely DBW359 and DBW377 have been registered under extant category by the PPV&FRA, New Delhi vide registration number REG/2024/0441 and REG/2024/0442, respectively.



GOL GANDHAM (sphaerococcum species)

ICAR-Institute of Agricultural Research Institute, Regional Station, Indore, Madhya Pradesh

In crop season 2024-25 DUS data were recorded for one Typical Variety (NWS 2214) and two VCK (DBW 187 and HI 1544) Varieties for 1st year and two Typical Varieties (2889/2205 and 2889/2177) and one VCK (HD 2967) for 2nd year. 151 Reference collection of wheat varieties are being maintained at **Referral Library** of ICAR-IARI, Regional Station, Indore. Awareness about importance and knowhow including legality of the importance of PPVFRA, New Delhi was disseminated to the visiting farmers during the growth stages and students also.

Crops	Name or No of varieties under maintenance breeding in 2024-25
Wheat	Released varieties *aestivum* - 99 Released varieties *durum* – *47* Released varieties *dicoccum* - 05
Total	151

University of Agricultural Sciences, Dharwad, Karnataka

During *rabi* 2024-25, totally two DUS testing trials of durum and dicoccum wheat were conducted at DUS durum wheat centre, UAS, Dharwad. Details of experiments are as given below.

Year	Typical	Entries
2nd Year trial	Durum - 3	2890/2112, DUD4701 and 23DWH4
	Dicoccum - 15	2890/2033 **to** 2890/2044, 23DIDD2501, 23DIDD2902 and 23DIHW9803

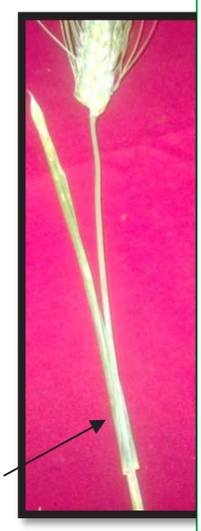
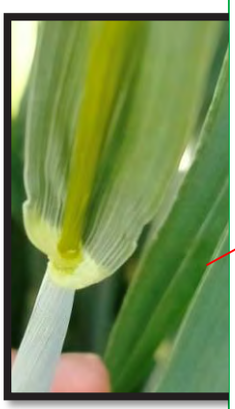
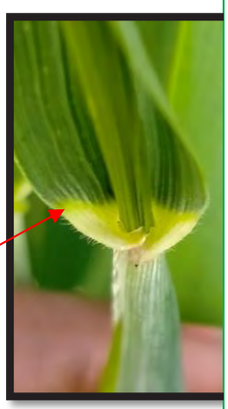
Observations were recorded for 45 characters representing growth habit characters, ear head characters, grain characters, etc. Perusal of observations indicated quantifiable variation for various DUS characters among the candidate and reference varieties.

In the 2nd year durum testing trial, DUD4701, 23DWH4, HI 8737 (Zonal check) and MACS 3949 (Regional checks) were used as a reference varieties. Fifty per cent hairy type mixture was noted in candidate variety 2890/2112 and plants were highly susceptible to stem rust.

DUS dicoccum wheat 2nd year testing trial comprising of 15 entries was evaluated for 45 DUS characters at DUS Durum wheat centre, AICRP on Wheat, UAS, Dharwad. Among the grouping characters studied no variation among the candidate and reference varieties was noted for the characters *viz.,* coleoptiles: anthocyanin coloration, flag leaf: anthocyanin colouration, ear: colour and season: type. The candidate variety 2890/2034 found to be very early (1) *w.r.t.* ear: emergence. Candidate varieties 2890/2037, 2890/2039, 2890/2041, 2890/2042, 2890/2042, 2890/2043, 23DI2501 and 23DIHW9803 found to be medium (5) *w.r.t.* ear: emergence. Similarly, for the same character, the candidate varieties 2890/2033, 2890/2035, 2890/2036, 2890/2038, 2890/2040 and 23DIDD2902 recorded late (7) ear: emergence. Among 15 entries, 12 entries recorded long (7) plant height (2890/2033, 2890/2034, 2890/2035, 2890/2036, 2890/2038, 2890/2039, 2890/2040, 2890/2041, 2890/2042, 2890/2043, 2890/2044 and 23DICC2501). However, the candidate variety (2890/2037) and two reference varieties *viz.,* 23DIDD2902 and 23DIHW9803 recorded medium (5) plant height. Except candidate variety 2890/2034, other candidate varieties showed dull white (1) awn: colour and absence (1) of outer glume: pubescence. Whereas, 2890/2034 showed black (4) awn: colour and presence (9) of outer glume: pubescence. Out of 15 candidate varieties, four varieties showed dark (7), ten varieties showed medium (5) and one variety exhibited none (1) grain: colouration with phenol.

Figure. 1 Distinctive characters of Candidate Var. 2890/2112 in 2nd year testing trial of Durum wheat in comparison with reference varieties

Particulars	2. 23DUDD4701	1. 2890/2112
		
Plant: Growth Habit	Erect (1)	Semi - erect (3)
Foliage colour	Dark Green (7)	Green (5)

	2890/2112	23DUDD4701	2890/2112	MACS 3949
			Flag leaf: Hairs on auricles	
				
Flag leaf: waxiness of blade	Medium (5)	Weak (3)	Absent	Present

3.1.7. DUS TESTING CENTRES FOR BARLEY:

ICAR-Indian Institute of Wheat and Barley Research, Karnal, Haryana

During the year 2024-25, 07 candidate's varieties with 19 reference varieties were grown in DUS trial as per DUS guidelines. Among them, three varieties namely, UB 301, ABI 07, ABI 14 were first year of DUS testing and four candidate's varieties, 2883/2394, 2880/3840, 23BABC 7301, 23BARANA 02 were for second year of DUS testing. In addition, eight farmer's varieties (Prajo Koona, Sahiya Jo, Mohana Jo, Kaknoi Jo, Saras Jo, Yushjo Koona, Deep Jo, Dasau Jo) were grown for DUS characterization and seed multiplication. Besides, a set of 49 barley reference and 107 barley released varieties were also grown for validation of 32 barley DUS characteristics**.** During the period, characteristics mentioned in DUS guidelines were recorded for all the candidate's and reference varieties for the trials.



RAJASTHAN AGRICULTURAL RESEARCH INSTITUTE, DURGAPUR (SRI KARAN NARENDRA AGRICULTURE UNIVERSITY, JOBNER)

The **DUS Trial**, intended specifically for DUS testing, comprised **twenty-six varieties**, including **nineteen reference varieties** and **seven candidate varieties**. A set of **forty-nine reference varieties** and another set including **one hundred six released varieties**, was also evaluated and maintained. In all the trials, data were recorded on all **thirty-two mandatory characters/traits**, encompassing both qualitative and quantitative parameters required for DUS testing of barley varieties. The crop exhibited good growth and clear expression of morphological traits across all entries. All the **farmer varieties demonstrated uniformity**, and the expression of **DUS traits was stable** across all varieties evaluated.





Stem: Basal pigmentation –Present (9) Spike: attitude – Drooping (7)

3.1.8. DUS TESTING CENTRES FOR SORGHUM:

ICAR- Indian Institute of Millets Research, Rajendranagar, Hyderabad, Telangana

DUS testing was conducted successfully during *kharif* 2024 and *Rabi* 2024-25 seasons. Five farmers varieties were characterized along with 11 reference varieties during *kharif* 2024 season. Data were enumerated as per revised DUS test guidelines and submitted to PPV&FRA in time. During the season, all the *kharif* adapted example varieties were also planted for characterization and data were enumerated for updating the DUS database. Germination was poor in two farmers' varieties viz., 2024/0116 and 2024/0131. The initial growth was satisfactory in all the farmers' varieties. All 5 farmers' varieties appeared photosensitive, and late to very late for flowering and had very poor adaptation to *kharif* season. There was no proper seed setting, and all the varieties were highly susceptible to shootfly incidence and foliar diseases. In variety 2023/0062 (Shankar) very high incidence of pokkah boeng disease was observed.

During *rabi* 2024-25, one candidate hybrid and three checks (CSH 13, CSH 15R and CSH 19R) were planted under 2nd year DUS testing. Data are being recorded and will be submitted to PPV&FRA. Maintenance breeding/characterization was undertaken for 136 reference varieties including hybrids, parental lines and OPVs during *rabi* 2024-25 season. Data on DUS descriptors are being collected and compiled for updating database.

A total of 136 varieties including parental (A/B/R) lines and OPVs, two A/R planted for maintenance breeding and characterization.

Mahatma Phule Krishi Vidyapeeth, Rahuri, Ahmednagar, Maharashtra

Crop	New		VCK	FV	Date of monitoring
	1st year entries	2nd year entries			
Sorghum	05	01	-	-	25-10-2024 (Dr. Hariprasanna K.)

DUS testing of Sorghum varieties as per DUS Test guidelines were completed and submitted to respective crops nodal centers.

I) Season: *Kharif*

A)Second year testing : Candidate varieties 05 along with 10 reference varieties tested.
B) 56 Reference varieties tested.

II) Season: *Rabi*

A)First year testing : Candidate varieties 01 along with 03 reference varieties tested.
B) 120 Reference varieties tested.



3.1.9. DUS TESTING CENTRES FOR PEARL MILLET

Agriculture Research Station, Mandore, Jodhpur

DUS test was conducted on 5 new entries Ist year and 2 in the 2nd year. In addition to varieties under new category 7 FV, 4 RV along with 2 check varieties (Table--) were also evaluated for DUS characterization.

List of varieties under DUS testing during 2024-25

S. No.	Name of candidate variety	S. No.	Name of candidate variety
Second year of testing			
1	Nutrifast-ADV 961 (ADV0061)	2	TMBH 2652
First year of testing			
1	KPH6288	4	KP19SB021
2	MB1030	5	KP19SR022
3	KPH6499		
Farmers' Varieties			
1	Sundaram Verma Local	5	Moochwali Bajri
2	Pili Bajri	6	DR-1
3	Chanana Bajri	7	Sulkhaniya Bajri
4	DR-2		
Reference Varieties			
1	RHB 173	3	86M64
2	Kaveri Super boss	4	Pratap
Checks			
1	HHB 67 Improved	2	GHB 538

ICAR-AICRP on Pearl Millet is working as Nodal Centre for conduct of DUS test of pearl millet and maintaining 54 reference varieties (20 hybrids and 34 parental lines) under this project. The testing entries in pearl millet were characterized in replicated trials for DUS traits along with reference varietal sets as per the DUS guidelines prescribed by PPV and FRA.
Training cum Awareness programme was held at ICAR-AICRP on Pearl Millet at Jodhpur on 26th September 2024.

Bajra Research Scheme, Collage of Agriculture, Dhule, Maharashtra

The DUS testing of 03 candidate hybrids and 09 typical varieties for first year and 06 Candidate hybrids for second year as per guidelines conducted successfully during *Kharif* 2024 and data recorded.

Successfully conducted DUS Character Study Test Trial for Reference Varieties in Kharif 2024 for 54 entries and data submitted to PC unit Jodhpur.

2024**: Ist Year**-Candidate Varieties-03, typical varieties- 09

IInd Year-Candidate Varieties-06, Farmer varieties -00

3.1.10. DUS TESTING CENTRES FOR FINGER MILLET, FOXTAIL MILLET, BARNYARD MILLET, PROSO MILLET, LITTLE MILLET, KODO MILLET

AICRIP on Small Millets, University of Agricultural Sciences, Gandhi Krishi Vigyan Kendra, Bangalore

Testing entries were evaluated in replicated trials were characterized for DUS traits along with reference varietal sets as per the DUS guidelines prescribed for each crop by PPV & FRA.

1. **Finger millet**

   A total of 4 testing entries (Siri, GNN-6, Jhumkiya Mandwa and Gol Mandwa) in first year and 5 testing entries (2889/2138, 23FIKM3001, 23FIGP2802, 23FIGP6603 and 23FIGP6704)) were characterized in second year. A complete set of 77 reference varieties was characterized in *Kharif* -2024.

2. **Foxtail millet**

   All 28 reference varieties have been characterized for 23 characters considered for DUS characterization.

3. **Kodo millet**

   A total of 4 test entries (Bada Kodo, Ladree Kodo, Bahri Kodo and Rakhi Kodo) in replicated trials, along with 26 reference varieties have been characterized for 1st year. Among kodo millet test entries, Bada kodo (58 days), Ladree kodo (56 days) and Bahri kodo (54 days) were early flowering entries

4. **Barnyard millet**

   All the 12 reference varieties have been characterized for 23 characters.

5. **Little millet**

   A total of 4 testing entries (Birni Kutki, Char Kutki, Safed Donger Kutki and Bhadeli Kutki) in replicated trials and along with 17 reference varieties have been characterized for 1st year. In case of Little millet Safed Donger kutki was late flowering (62 days) entry.

6. **Proso millet**

   All the 12 reference varieties have been maintained and characterized.

3.1.11. DUS TESTING CENTRES FOR CHICKPEA

ICAR- Indian Institute of Pulses Research, Kanpur, Uttar Pradesh

One New typical varieties namely; Mahabeej-2003 [2022/0179 (2889/2198)] was tested for DUS testing for the second year during 2024-25 and one New typical varieties namely; Mahabeej-2006 (2023/0142) and eight Farmers varieties namely; Niti Chana, Anshu Chana Green, Sundaram White

Chana, Kala Moti, Arun Chana, Nikhil Local Chana, Roa Chana, Jhabua Gulabi Chana were tested for DUS testing for the first year during 2024-25. Observations were recorded on 20 DUS traits as per National Guidelines of DUS testing for chickpea. Farmers variety **Nikhil Local Chana** contained some off type plants (Tall type plant stature and dark anthocyanin pigmentation on stem) in both replication.

All the above entries were medium flowering and entries Mahabeej-2003, Mahabeej-2006, Anshu Chana Green, Arun Chana, Kala Moti, Nikhil Local Chana, Niti Chana, Roa Chana had pink flower colour while entry Jhabua Gulabi Chana and Sundaram White Chana had white flower colour. Entries Niti Chana, Anshu Chana Green, Sundaram White Chana, Kala Moti, Arun Chana, Nikhil Local Chana, Roa Chana, Jhabua Gulabi Chana had very small seed size (< 20 g), Mahabeej-2003 had small seed size(20-25g) and entry Mahabeej-2006 had medium seed size(26-35g). The entries Mahabeej-2003, Mahabeej-2006, Nikhil Local Chana, Niti Chana had brown seed colour and entry Arun Chana and Roa Chana were yellow seed colour. Entry Anshu Chana Green was green seed colour, Jhabua Gulabi Chana was orange seed colour, Kala Moti was black seed colour and entry Sundaram White Chana had creamy beige seed colour. All the entries were desi type seed and stem anthocyanin colouration was present while entry Sundaram White Chana was kabuli type in which stem anthocyanin colouration was absent. Besides, 185 reference varieties are being maintained.



Field View

3.1.12. DUS TESTING CENTRES FOR PIGEONPEA

ICAR- Indian Institute of Pulses Research, Kanpur, Uttar Pradesh

Second year DUS testing of 6 candidate varieties was conducted along with reference varieties. New entries received (5) for first year testing were also evaluated. Mixture in seed sample of 2023/0122 (JHABUA LAL) was recorded. In adtion to testing of candidate varieties a set of 96 reference varieties was also maintained.

PIGEON PEA AND SAFFLOWER

Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra

DUS characterization of two candidate varieties 1 each in first and second year was conducted. Maintenance trials for 106 belonging to three maturity groups (late 22, Medium 64 and early 20) were also conducted.

3.1.13. DUS TESTING CENTRES FOR LENTIL, MUNG BEAN, URD BEAN, FIELD PEA (PULSE TYPE), KIDNEY BEAN

ICAR- Indian Institute of Pulses Research, Kanpur, Uttar Pradesh

In *Kharif* season (**2024**) Total 4 entries 2 VCK & 2 Farmers variety of Mungbean and 2 Farmers variety of urdbean were tested in **First year** along with reference varieties & data recorded as per DUS guideline. In addition 70 varieties of Mungbean and 41 varieties Urdbean were also maintained. For maintenance of these varieties 10 single plants were selected from each variety and harvested individually.

Whereas in *Rabi* season (**2024**) 26 Farmers variety of Rajmash were tested in **First year** along with reference varieties and data recorded as per DUS guideline. A total of 14 reference varieties were also maintained during rabi 2024.

List of 1st year Candidate Variety.

S.No.	Rajmash	Mung bean	Urd bean
1	Mohana Baldi	Mandhata Gold	Bhura Urd
2	Baldi Rajma	Gold 9	Teliya Urd
3	Bhura Rajma	SR-31	IPU 94-1 (ch)
4	Lahar Rajmash	Munga	PANT U-31 (ch)
5	Bado Baldi Rajmash	IPM 99-125	IPU 2-43 (ch)
6	Rotiwal Rajmash	Ganga -1	AZAD U-3 (ch)
7	Ashoksh Rajmash (Bakla)	IPM 2-14	
8	Sara Bean	PUSA - 9531	
9	Matiya Rajma		

10	Kala Samalta		
11	Girs Rajmash		
12	Chakrata Rajmash-1		
13	Chakrata Rajmash-2		
14	Chakrata Rajmash-3		
15	Chakrata Rajmash-4		
16	Chakrata Rajmash-5		
17	Chakrata Rajmash-6		
18	Chakrata Rajmash-7		
19	Chakrata Rajmash-8		
20	Chakrata Rajmash-10		
21	PPR-6		
22	PPR-4	**No germination**	
23	PPR-13		
24	PPR-5		
25	PPR-17		
26	PPR-16		
27	PDR 14 (ch.)		
28	HUR 137 (ch.)		
29	IPR 98-5 (ch.)		

Field pea and Lentil

In *Rabi* season (**2024-25**) a total 4 filed pea entries: 3 farmers varieties in **first year** and 1 new variety were tested in **second year** with reference varieties & data recorded as per DUS guideline. One field pea farmers variety 2886/2183 (NS -1155) was found to be the vegetable type variety .Whereas another field pea farmer's variety Kashur Kadi did not flower. In case of lentil 8 farmer's varieties were tested in **first year**.
Additionally, In *Rabi* season (**2024-25**) 61 varieties of pea and 39 varieties of Lentil were maintained. For maintenance of these varieties 10 single plants were selected from each variety and harvested individually.

Table List of candidate varieties

Sr.No.	Field Pea	Lentil
IInd Year		
1	2886/2183(NS- 1155) (**vegetable type**)	
Ist Year		
2	180P165	Joshphin Masoor
3	Kashur Kadi (**did not flower)**	Mashoor Barkoti
4	Deshi Khusia Matar	Masudi Masar
5	B 22 (ch.)	Done Masoor

6	HFP 4 (ch.)	Anand Masoor Desla
7	JP 885 (ch.)	Vinay Masoor
8		Desi Masoor
9		Vikesh Masoor
		DPL 15 (ch.)
		DPL-62 (ch.)
		IPL 81 (ch.)

Application field with PPV&FRA (applicable only for 57 notified crop species. Other file colum 2 and 3, if applicable)

Crops	No of variety notified by the center since 1966	No of variety notified by the center since 1999	No of applications field			Certificates issued	Pending applications
			Extant Notified	NEW	VCK		
Lentil	43	17	12	1	-	6	7
Pea	44	25	18	3	-	10	11

MUNGBEAN

Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra

Maintenance trials of 89 refence varieties were conducted along with DUS characterization of two entries listed below.

S. N	Reg. Number	Denomination	Type	Category
1	2024/0063	Mandhata Gold	Extant (VCK)	Typical
2	2024/0140	GOLD 9 (Shaneshwar)		

BLACK GRAM

National Pulses Research Centre, Tamil Nadu Agricultural University, Vamban, Tamil Nadu

The seeds of thirty eight reference varieties are being maintained at NPRC, Vamban. The reference varieties has been evaluated during 2024.

Reference varieties: Pod pubescence



Present



Absent

3.1.14. DUS TESTING CENTRES FOR OKRA, BRINJAL, TOMATO, PEA (VEGETABLE), KIDNEY BEAN, BITTER GOURD, BOTTLE GOURD, CUCUMBER, PUMPKIN

ICAR- Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh

TOMATO

For the year (2024-25), seed pockets of 21 tomato entries i.e, 9 of 2nd year and 12 of 1st year were received for DUS testing at ICAR-IIVR, Varanasi. There was less germination in REG/2024/0129 (JKTH-8015) Hybrid. Related germination report was submitted on 24.10.2024. Monitoring of the entries was done on 27.03.2025 under the chairmanship of Dr. Nagendra Rai, Director (I/C), ICAR-IIVR, Varanasi. DUS characterization for all the entries were recorded as per DUS test guidelines. Off types were observed in all three replications in **23TOTM2606 H** (TMMH 2226) a second year reference entry and the number of off types were more than the permitted level.

Details of DUS testing of candidate varieties 2024-25, if any: (indicate no only)

Crop	**Year of testing**	**Number of entries**	**Date of monitoring**
Tomato	1st year entries	12 entries (8 Hybrid + 4 Typical)	27 March 2025
	2nd year entries	9 entries (3 Hybrid + 6 Reference)	



OKRA

During the year, 12 Okra entries were evaluated under DUS testing. Which includes 4 hybrids (1st year DUS testing) 7 candidate hybrids & 1 Typical (2nd year DUS testing) and along with their 7 reference hybrids & varieties. (2nd year DUS testing for hybridity test) with trial code of 2023.

Forty two okra varieties were collected from different centres and maintained as reference varieties for DUS Testing. These varieties were collected from various centers*i.e*. I.A.R.I., New Delhi, I.I.V.R., Varanasi, J.A.U. Junagadh, H.A.U., Hisar, M.P.K.V., Rahuri, P.A.U., Ludhiana, C.S.A.U.A.&T. Kanpur, R.A.U. Sabour, IIHR, Banglore, K.A.U., Vellanikkara, O.U.A.&T., Bhubaneswar, T.N.A.U., Coimbatore, N.D.U.A.&T., Faizabad.

CUCUMBER AND PUMPKIN

Cucumber

During the year, 18 entries of cucumber were evaluated under DUS testing. Eighteen cucumber entries included four hybrids of 2nd year, six hybrids and eight typical varieties of 1st year. Two cucumber hybrids (Sumithra & Shiny) and one typical (20CICC0019) varieties were claimed to be gynoecious but observed as monoecious (male flowers observed in low frequency). One cucumber hybrid (Chitra) and three typical (20CICC0021, 20CICC0007& 20CICC0008) varieties were claimed to have dark green fruits, but observed as light green. Twenty-four cucumber varieties were collected and maintained as reference varieties for DUS Testing. These varieties were collected from various institutions i.e.; I.A.R.I., New Delhi, H.A.R.P., Ranchi, B.C.K.V., Kalyani, G.B.P.U.A.&T., Pantnagar, M.P.K.V., Rahuri, P.A.U., Ludhiana, Dr. YSPH&F, Solan, SKUA&T, Jammu, I.I.V.R., Varanasi, C.S.A.U.A.&T. Kanpur, AAU, Gujarat.

Pumpkin

A total of 12 entries of Pumpkin were evaluated under DUS testing. Twelve entries of pumpkin included five hybrids and seven typical varieties of 1st year. No variation was observed among any of the 12 candidate varieties/hybrids of pumpkin. One typical variety of pumpkin, 161PK-DG1 did not produce any fruit, while one typical variety, 161PK- PG2 has only a total of 2 fruits across all three replication. Twenty-five pumpkin varieties were collected and maintained as reference varieties. These varieties were collected from various centres *i.e.* I.A.R.I., New Delhi, I.I.H.R., Bangalore, I.I.V.R., Varanasi, A.A.U., Anand, C.S.A.U.A.&T. Kanpur, HARP, Ranchi, PAU, Ludhiana, N.D.U.A.&T. Faizabad, K.A.U., Kerala and T.N.A.U., Coimbatore.

Bitter gourd: In the 2nd year trial, the one-candidate hybrid (Reg/2023/0143) was sown and observed for various traits as per the DUS guidelines of PPV&FRA. All the reference varieties were maintained through self-pollination. Currently, we are maintaining a total of 20 reference varieties of bitter gourd. The experiments were closely monitored by the task force committee on 30/06/2025 and found to be satisfactory, indicating significant progress in our DUS testing for bitter gourd.

Bottle gourd: In the bottle gourd trial, a total of 15 entries were evaluated, including two hybrids (Varun, Jaidev) and five typical varieties (HVBO-017F, HVBO-17M, HVBO-20F, HVBO20M, RHRBG-54), as well as six farmer- typical varieties (Soham S.B.L-1, Narayani Lauki, Bhudev Lauki, Bhikhari, Janak Lauki, and Nilu-91) in the first-year trial. In the second year, one typical variety (Arka Shreyas) and one hybrid (Arka Ganga) were sown. Observations were recorded following the DUS guidelines of PPV&FRA. No fruiting or flowering has been observed in the farmer's typical variety, Janak Lauki. The experiments were carefully monitored by the task force committee on 30th June, 2025, ensuring the quality and reliability of our observations. Reference varieties are maintained through self-pollination. Currently, a total of 24 reference varieties of bottle gourd are being maintained.

VEGETABLE PEA AND FRENCH BEAN

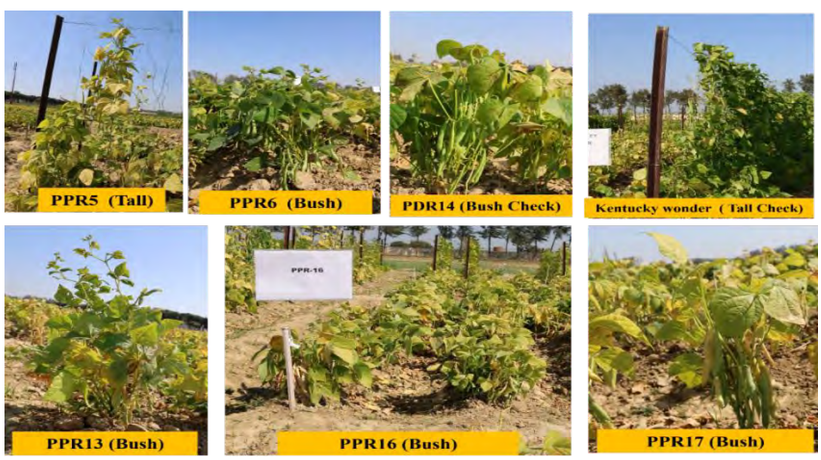
French bean

A total of six farmer entries of French bean were observed under DUS testing viz., PPR-6 (REG/2024/0134), PPR-13 (REG/2024/0136), PPR-17 (REG/2024/0138), PPR-4 (REG/2024/0135), PPR-16 (REG/2024/0139), and PPR-5 (REG/2024/0137). Among the six sown entries, one entry, i.e., PPR-4, exhibited no germination. The remaining five entries were evaluated in observation rows with three replications, and the monitoring team systematically recorded observations for various claimed characteristics. Further, four entries were found stable for the given characters except for PPR-16, which was recorded as a determinate type rather than the claimed character of indeterminate growth habit.

Vegetable pea

During the 2024-25 season, forty-two vegetable pea varieties were maintained as reference varieties for DUS testing. Twenty-seven French bean varieties were maintained as reference varieties for DUS testing, collected from various institutions. These varieties were categorized into two groups: Bush Type Varieties and Pole Type Varieties. Among the bush-type French bean varieties, a total of 16 varieties were included, while 11 pole-type French bean varieties were maintained and assessed as part of the DUS testing program.

A field view of entries under testing in French bean along with the checks



Brinjal

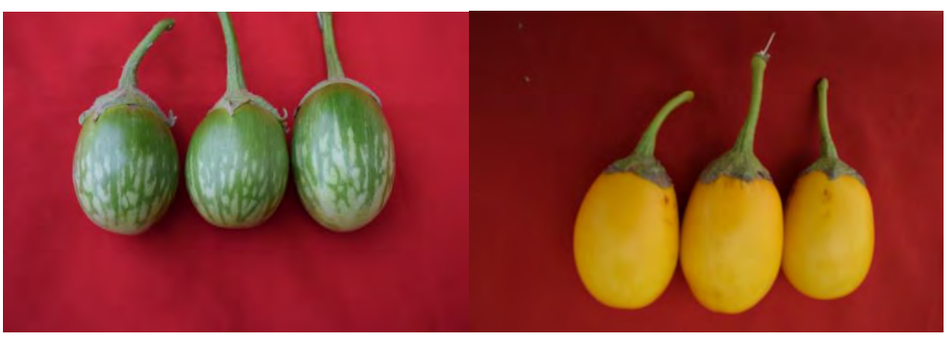
A total 4 entries (SBJH5006, BNB-422, Pariga (P.R.L.-1), Huntok) of brinjal for Ist year and 2 entries (JK Chitra, BHWH17KJA1550) for 2nd Year including 2 checks (23BRARND01H, 23BRBRNG01H) were tested in 3 replication and data recorded as per DUS testing guidelines. The lines of Huntok and JK Chitra were not found to be uniform during the DUS testing. Total 89 reference varieties of brinjal were collected from different ICAR institute are being maintained at IIVR. Varanasi.

Table-1: Detail of candidate varieties for DUS testing (2024-25)

S. No.	Crop	REG. No.	Denomination	Type	Category	Ref. variety with trial code	Year of Testing
1.	Brinjal	DL1807240001	SBJH 5006	New	Hybrid		Ist Year
2.	Brinjal	REG/2024/0368	BNB-422	Extant (VCK)	Hybrid		Ist Year
3.	Brinjal	REG/2024/0092	Pariga (P.R.L-1)	Farmer	Typical		Ist Year
4.	Brinjal	REG/2024/0119	HUNTOK	Farmer	Typical		Ist Year
5.	**Brinjal**	REG/2022/0177H (2889/2196/H)	JK Chitra	New	Hybrid	Arka Anand (23BRARND01H)	2nd Year
6.	**Brinjal**	REG/2022/0126 (2889/2145/H)	BHWH17KJA1550	New	Hybrid	Brinjal White Long (23BRBRNG01H)	2nd Year



Variation in Brinjal Huntok (REG/2024/0119)



Variation in J K Chitra (2889/2196/H)

OKRA, BRINJAL, TOMATO, BITTER GOURD, BOTTLE GOURD, CUCUMBER, PUMPKIN AND SUMMER SQUASH

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

Details of DUS testing of candidate varieties in 2017-18, if any

Crops	New		VCK		FV		Date of monitoring
	1st year entries	2nd year entries	1st year entries	2nd year entries	1st year entries	2nd year entries	
Tomato	9	-	-	-	8	-	**27-02-2018**
Brinjal	-	-	-	-	51	-	**27-02-2018**
Okra	06	08	04	04	07	05	**31-12-2017**
Bottle gourd	06	-	-	-	-	-	**25-04-2018**

Varieties under maintenance/characterized

Mandated Crop Species	Name or No of varieties under maintenance breeding in 2024-25	Data Submission (Maintenance Breeding) Yes/No
Tomato	12	Yes
Brinjal	8	Yes
Okra	12	Yes
Bottle gourd	18	Yes
Bitter gourd	15	Yes
Cucumber	2	No
Pumpkin	10	Yes

Tomato & Brinjal

Tomato: total of 15 candidate varieties of which 1st year trial includes 8 hybrids, 4 typical varieties, 6 reference varieties and 2nd year trial includes, 3 Hybrids and 6 reference varieties were tested and trials monitored on 10.03.2025.

Tomato test varieties for 1st year DUS test





Tomato test varieties for 2nd year DUS test



Brinjal: 5 new entries of which 1st year trial includes 2 hybrids, 1 typical varieties, 6 reference varieties and 2nd year trial includes, 2 Hybrids and 2 reference varieties were tested and trials monitored on 10.03.2025. Observations were recorded for 47 morphological traits in Tomato & Brinjal.

Okra

1st year trial four (4) Okra Hybrids and 2nd year trial, Eight (8) Hybrids and Seven (7) reference varieties were raised to conduct of DUS testing during the year 2024. Experiment

was laid out as per the DUS test guide lines envisaged by PPV&FRA, New Delhi. Varieties have been characterized for **31 morphological characters** as per the okra DUS test guidelines.

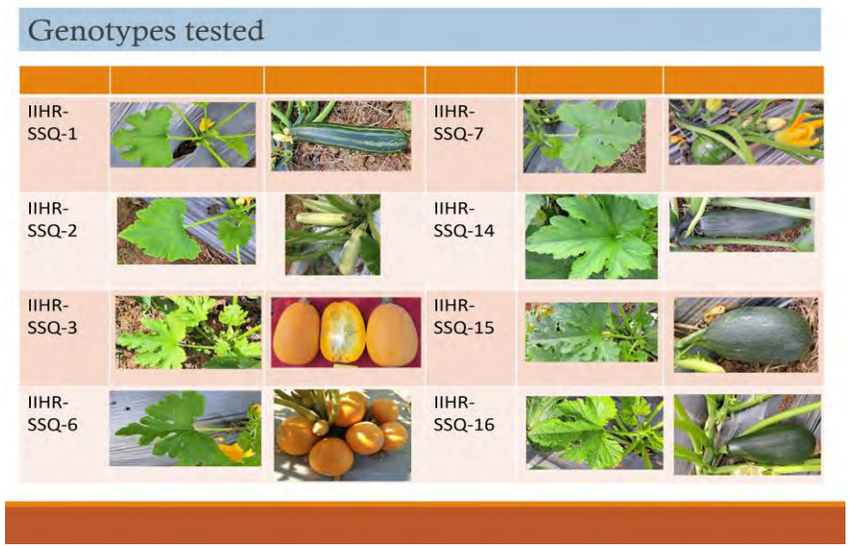
Bottle gourd

Seven entries of Bottle gourd (Extant (VCK): 2 hybrids and 5 typical varieties**)** were sown during March, 2025. Data has been recorded on five grouping characters like number of lobes, fruit length, fruit diameter, fruit shape and fruit skin color. Following observations were recorded:

- The claimed fruit diameters for the denominations VARUN (REG/2024/0506), HVBO-017M (REG/2024/0685) and HVBO-20F (REG/2024/0686) are inconsistent with the observed observation.
- The claimed fruit shape in longitudinal section for the denominations JAIDEV (REG/2024/0951) and HVBO-20M (REG/2024/0687) are inconsistent with the observed observation.
- The candidate varieties JAIDEV and HVBO-20M are identical to the reference variety Pusa Santushti for all the claimed distinct characteristics. Therefore, retesting is recommended for re-testing with special characters.
- In the case of RHRBG-54 (Phule Gaurav) (REG/2024/1241), the claimed note for fruit length is (2), which is not specified in the DUS test guidelines.

Summer squash

In **Summer squash (*Cucurbita pepo* L)** Isolated twenty-seven accessions showed with no off types were observed for 32 traits during 2024-25 during summer season. Among the grouping of traits, fruit shape and fruit skin color found to be easily differentiable traits. Accordingly, eight groups were found for fruit shape such as Butter cup (1), cylindrical (9), club shaped (1), oval (7), pear (2), spherical (5), disc (1), flattened (1). Similarly, accessions were grouped according to fruit skin color orange (3), white (2) and green (20), yellow (2).



BITTER GOURD, BOTTLE GOURD, CUCUMBER, PUMPKIN

ICAR- Indian Agricultural Research Institute, Pusa, New Delhi

Eleven varieties of bottle gourd (6 Candidate Hybrid, 4 Typical and 1 FV, Typical), Fourteen varieties of bitter gourd (13 Candidate Hybrid, and 1 FV, Typical), Eighteen varieties of cucumber (4 Candidate Hybrid, 4 Hybrid and 8 FV, Typical) and Twelve varieties of pumpkin (5 Hybrid and 7 Typical) were evaluated. Cucurbits varieties of following four cucurbit crops were evaluated for DUS testing for Ist year - 2024-25:

A. Bottle gourd - 08 (3 Candidate Hybrid, 4, Typical and 1 FV, Typical)

B. Bitter gourd - 06 (5 Candidate Hybrid and 1 FV, Typical)

C. Pumpkin - 12 (5 Hybrid and 7 Typical)

D. Cucumber – 14 (2 Candidate Hybrid, 4 Hybrid and 8 Typical)

2. Under DUS Cucurbits 2st year - 2024-25, the following four cucurbit crops were tested

A. Bottle gourd - 03 (3 Candidate Hybrid)

B. Bitter gourd - 08 (8 Candidate Hybrid)

C. Cucumber – 4 (4 Candidate Hybrid)

The list of varieties of bottle gourd, bitter gourd, cucumber and pumpkin that were sown and data recorded during 2024-2025 are given below:

S.No.	Bottle gourd	Category	Remark
1	2890/2137/H	Candidate Hybrid	No off type observed
2	2890/2180/H	Candidate Hybrid	No off type observed
3	23BDWA401	Candidate Hybrid	No off type observed
4	22BOGH 1	Candidate Hybrid	No off type observed
5	22BOGH 2	Candidate Hybrid	No off type observed
6	22BOGH3	Candidate Hybrid	No off type observed
7	2890/2115	Typical	No off type observed
8	23BOPUAL02	Typical	No off type observed
9	23BOPUT103	Typical	No off type observed
10	23BONAAR04	Typical	No germination
11	2890/2130 FV	Typical	No off type observed
S.No.	Bitter gourd	Category	Remark
1	23BIVIEK01H	Candidate Hybrid	No off type observed
2	23BIUS1402H	Candidate Hybrid	No germination
3	23BIAASH03H	Candidate Hybrid	No off type observed

4	2890/2136/H	Candidate Hybrid	No off type observed
5	2890/2162/H	Candidate Hybrid	No off type observed
6	2879/3615 FV,	typical	No off type observed
7	22BIGH1	Candidate Hybrid	No off type observed
8	22BIGH2	Candidate Hybrid	No off type observed
9	22BIGH3	Candidate Hybrid	No off type observed
10	22BIGH4	Candidate Hybrid	No germination
11	22BIGH5	Candidate Hybrid	No off type observed
12	22BIGH6	Candidate Hybrid	no germination
13	22BIGH7	Candidate Hybrid	no germination
14	22BIGH8	Candidate Hybrid	no germination
S.No	Cucumber	Category	Remark
1	REG/2024/0019	Hybrid	
2	REG/2024/0020	Hybrid	
3	REG/2024/0036	Hybrid	
4	REG/2024/0039	Hybrid	
5	REG/2024/0016	Typical	
6	REG/2024/0017	Typical	no germination
7	REG/2024/0018	Typical	
8	REG/2024/0037	Typical	
9	REG/2024/0038	Typical	
10	REG/2024/0040	Typical	
11	REG/2024/0041	Typical	
12	REG/2024/0042	Typical	
13	2887/2253/H	Candidate Hybrid	
14	23CUINHT01H	Candidate Hybrid	
15	22 Cu H1	Candidate Hybrid	
16	22 Cu H2	Candidate Hybrid	
17	22 Cu H3	Candidate Hybrid	
18	22 Cu H4	Candidate Hybrid	
S.No.	Pumpkin	Category	Remark
1	REG/2023/0155	Hybrid	No off type observed
2	REG/2023/0157	Hybrid	No off type observed
3	REG/2023/0158	Hybrid	No off type observed
4	REG/2023/0159	Hybrid	No off type observed
5	REG/2023/0005	Hybrid	No off type observed
6	REG/2023/0156	typical	No off type observed
7	REG/2023/0160	typical	No germination
8	REG/2023/0165	typical	No off type observed
9	REG/2024/0004	typical	No off type observed

10	REG/2024/0006	typical	No off type observed
11	REG/2024/0007	typical	No off type observed
12	REG/2024/0008	typical	No germination

Varieties maintained at the Centre

A. Bottle gourd – 18 (Pusa Sandesh, Pusa Naveen, Pusa Santusthi, Pusa Samridhi, Punjab Long, KBGR-12, Arka Bahar, Kashi Ganga, Narendra Dharidar, Pant Lauki-1, Kalyanpur Long Green, Narendra Jyoti, Narendra Rashmi, ABG 1, NDBG-619, Pant Lauki-3, VRBG-136, NDBG-132)

B. Bitter gourd – 17 (Pusa Vishesh, Pusa Do Mausami, Pant Karela-1, Kashi Urvashi, Punjab-14, CO-1, Phule Ujwala, Preethi, NDBT-7, Hirkani, Kalyanpur Baramasi, NDBT-9, Phule Green Gold, Meghana-2, HABG-21, HABG-22, and Arka Harit)

C. Cucumber – 10 (Swarna Ageti, Swarna Poorna, Punjab Naveen, Kalyanpur Green, Swarna Sheetal, Phule Shubhangi, Japanese Long Green, Himangi, Pant Khira-1 and VR-101(genotype)

3.1.15. DUS TESTING CENTRES FOR AMARANTHUS, PALAK, RIDGE GOURD

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

Reference varieties including 9 of ridge gourd, 19 varieties of amaranth and 5 varieties of palak were maintained. DUS characterization of only one candidate variety of amaranth was taken in the year 2024-25.



ICAR- Indian Agricultural Research Institute, Pusa, New Delhi

A. Amaranth

The trial was laid out as per the DUS testing guidelines. The varieties were evaluated in a randomized block design (RBD) with three replications, and observations were recorded from 10 plants in each replication.

Table 1: List of varieties maintained in Amaranth

1. Arka Samraksha	8. Pusa Kiran	15. IIHR-109-1
2. Arka Varna	9. RNA-1	16. IIHR 109-4
3. Arka Arunima	10. Krishna Sree	17. IC-551606
4. Rene Sree	11. CO-2	18. IC551608
5. Pusa Lal Chaulai	12. CO-3	19. Cannara Local
6. Arka Suguna	13. CO-4	
7. Arun	14. CO-5	

B. Palak

The Palak trial was laid out as per the DUS testing guidelines. The varieties were evaluated in RBD design with three replications and observation were recorded from 10 plants in each replication. The data on visual and measurable characters were recorded as per DUS guideline for all the given traits

Table 2: List of varieties maintained in Palak

1. All Green	4 Arka Anupama
2 Pusa Bharati	5. Co-1
3. Pusa Harit	6. HS-23

C. Ridge gourd

The Ridge gourd trial was laid out as per the DUS testing guidelines. The varieties were evaluated in randomized complete block (RBD) design in three replications with 10 plants in each replication.

Table 3: List of varieties maintained in Ridge Gourd

1. Pusa Nasdar	6. Phule Sucheta
2. Arka Sumeet	7. Arka Sujat
3. GARG-1	8. Co-1
4. Jaipur Long	9. Deepti.
5. Pusa Nutan	

Amaranthus Photograph : Selected reference Varieties, Field Monitoring and Extant Variety









Field Monitoring in Amaranthus



Extant Variety : Swarna Raktim (REG /2020/365)

Centre for Crop Improvement, S. D. Agricultural University, S. K. Nagar: Centre for DUS testing on Amaranth

A total of 18 entries of amaranth as listed below were maintained by sowing on 13/11/2024 and harvesting on 16/03/2025. Observations were recorded on DUS characteristics.

Plate- I: Seedling anthocyanin coloration of hypocotyls



GA 1

(Absent)



GA 2

(Present)



GA 3

(Present)



GA 4

(Present)



GA 5

(Present)



GA 6

(Absent)

3.1.16. DUS TESTING CENTRES FOR CABBAGE AND CAULIFLOWER

ICAR- Indian Agricultural Research Institute, Pusa, New Delhi

There was one variety in new category for DUS characterization in Ist year of testing of cauliflower (ADV-235, mid-early group)). The entry for DUS testing for second year was SCFH-1014 (early group).



ICAR- Indian Agricultural Research Institute, Katrain, Kullu, Himachal Pradesh

During 2024-25, 18 varieties of cabbage and 11 cauliflower varieties have been characterized, purified and suitably maintained. The characterization data have been utilized to develop revised DUS test guidelines for both cabbage and cauliflower. No candidate varieties were sent for DUS characterization during 2024-25.

Cauliflower varieties/ hybrids under genetic characterization program





Pusa Snowball Hybrid-1	Pusa Snowball Hybrid-2
	
Pusa Hybrid-301	**Pusa Purple Cauliflower-1**

3.1.17. DUS TESTING CENTRES FOR POTATO

ICAR-Central Potato Research Institute, Shimla, Jalandhar and Modipuram

In the reporting period of 2024-25, Candidate varieties viz., Lady Forte, Lady Luce, Lady Alicia, Lady Jane, Sound, CMK 2009 630-001 of M/S Technico Agri Sciences Ltd. Firm and Destiny, Palace, Almera, Beyonce, Carolus, Prince of M/S Siddhivinayak Ltd along with references Santana, Lady Rosetta, Kufri Jyoti and Kufri Jawahar were evaluated for vegetative and tuber traits at CPRI RS Modipuram and Jalandhar.

In summer crop season at Kufri hills, candidate varieties *viz*., Buster, Buffalo, Commando, Infinity, Fandango, Tornado, Java, Antartica of M/S Utkal Tubers Ltd, Destiny, Palace, Almera, Beyonce, Carolus, Prince of M/S Siddhivinayak Ltd, Hermosa, Sun Red, Sunita, Alverstone Russet, Delia Red of M/S Mahindra HZPC Ltd. and Lady Jane, Lady Alicia, Sound of M/S Technico Agri Sciences Ltd. Firm were evaluated with references Kufri Surya, Kufri Jyoti, Kufri Pukhraj, Santana, Kufri Frysona, Kufri Khyati, Memphis, Diamond, Lady Rosetta, Atlantic, Kufri Lauvkar and Kufri Chipsona-1for floral characteristics constituting seventeen traits.

Maintenance of DUS reference varieties: Two hundred and fifty eight reference varieties (258) were maintained in *in vitro* conditions at CPRI, Shimla while 259 each were maintained under field condition at CPRI, Kufri-Fagu Unit, Kufri and CPRI, RS, Modipuram, respectively.



Fig 1: Sprouts, Leaves and tubers of different potato varieties

3.1.18. DUS CENTRES FOR ONION AND GARLIC

ICAR-Directorate of Onion and Garlic Research, Pune, Maharashtra

Onion

During the year 2024-25 DUS testing of five *kharif* and one *rabi onion* candidate varieties was undertaken. The seed for the entries was received on 02.07.2024 and 21.10.2024 for *kharif* and *rabi* season respectively. All the five *kharif* varieties viz. EWR-401 (Reg/2019/10), NOO-74 (Reg/2022/0122), 23ONBHTI02, 23ONBHED04 and 23ONBHER05 and one *rabi* variety Phule Swami were typical varieties. No seed germination was reported in *rabi* entry (Phule Swami).

Garlic

In case of garlic seed was received on 29.08.2024, 21.10.2024 and 5.11.2024 for six *rabi* season candidate varieties namely Riyawan Silver, Vijay Garlic-1, Janak Lahsun, Desi Lahsun, Akeel Lahshing and Pahadi Mota Lahsun. All the six typical (FV) varieties were evaluated for DUS characterization during *rabi* 2024-25 and monitoring was conducted on 25.2.2025 and 24.3.2025.

Nine onion varieties (Bhima Kiran, Bhima Shakti, Bhima Light Red, Bhima Super, Bhima Red, Bhima Raj, Bhima Dark Red, Bhima Shubhra and Bhima Safed) as well as one garlic variety Bhima Omkar have been registered with PPV&FRA. One onion variety Bhima Shweta and one garlic variety Bhima Purple are under registration with PPV&FRA.

ICAR-DOGR is working as Nodal Centre for conduct of DUS test of onion and garlic and maintaining 69 onion and 30 garlic varieties under this project. These varieties of onion and garlic are treated as reference varieties. In onion, 57 *rabi* season varieties and 12 *kharif* season varieties and in garlic 30 varieties are being maintained at ICAR-DOGR, Rajgurunagar, Pune. Long day onion and garlic varieties are being maintained at ICAR-CITH, Srinagar and multiplier onion varieties at TNAU, Coimbatore. All the data have been recorded as per DUS test guideline in all the maintained varieties of onion and garlic under DUS project.



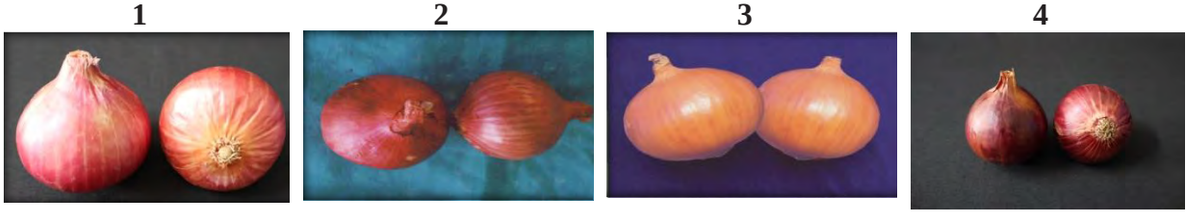


Maintenance of onion and garlic varieties under DUS Project

Characteristics 16/13 Bulb: Basic colour of dry skin (Common onion/Multiplier onion).



White **Yellow** **Pink** **Light red**
1 **2** **3** **4**



Medium red **Dark red** **Brown** **Black**
5 **6** **7** **8**

ICAR- Indian Agricultural Research Institute, Pusa, New Delhi

Onion:

Five entries for *kharif* season, namely REG/2019/10 (EWR-401), REG/2022/0122 (2889/2141) N00-74, Bhima Shakti (23ONBHTI02), Bhima Dark Red (23ONBHED04) and Bhima Super (23ONBHER05) were sown in the nursery dated 12th July 2024. Transplanting was done on 10th of September 2024 along with reference varieties Bhima Shakti and Bhima Super. Standard cultural practices were followed to raise a healthy crop and observations were recorded according to the DUS test guidelines and the report is being submitted.

The seeds only 1 entry received for testing in *rabi* season, namely Phule Sawami (RHROR-12) were sown during November, 2024 and Seedlings were transplanted subsequently during January 2025.

The centre is maintaining 30 onion and 12 garlic varieties under this project. These varieties of onion and garlic are treated as reference varieties.



Fig.1. Bhima Shakti (23ONBHT102)



Fig.2. Bhima Super 23ONBHER05



Fig.3. REG/2019/10 (EWR-401)



Fig.4. REG/2022/0122 (2889/2141) NOO-74

3.1.19. DUS CENTRES FOR CHILLI, BELL PEPPER AND PAPRIKA

Dr. YSR Horticultural University, Lam Farm, Guntur, Andhra Pradesh

Out of 43 entries received, 8 new, 24 VCKs for the first year and 2 typical new entries, 4 hybrid new entries and 5 reference entries with trial code for second year testing were evaluated for DUS traits along with 21 reference varieties at RHRS, Dr YSRHU, Lam Guntur. The seeds were sown on 07-09-2024 in protrays. Among the 43 entries sown in protrays, the germination percentage was above 70 per cent. The seedlings were transplanted in the experimental block for evaluation on 10-10-2024. The DUS experimental plots were well-maintained according to the specifications. The DUS traits were systematically recorded. A few of the entries were infected with *chilli leaf curl virus* and black thrips at the final stages of crop growth. All the entries were characterized for DUS traits and monitoring of the DUS entries was conducted successfully.





Horticultural Research & Extension Center, Devihosur (UHS, Bagalkot)

Totally 38 candidate entries were received and along with them 15 open pollinated varieties and 6 hybrid were included as reference varieties/hybrid from HREC, Devihosur. The seedlings were raised in portray (DOS-5th September 2024). Among the 38 entries sown in portrays, all entries were

germinated and one entry RHHP0431 was recorded less than 50% germination. On 7th to 8th October 2024 the raised seedlings were transplanted to the experimental block for evaluation. The crop chilli plants were taken care and maintained with regular sprays (bio-agents and chemicals).

Details of DUS testing of candidate varieties in 2024-25

Crop	Candidate/New Varieties						VCK	Reference Varieties	Date of monitoring
	1st year entries			2nd year entries					
	Hybrid	Typical	FV	Hybrid	F1 Hybrid SMG	Typical			27-01-2025
Chilli	21	11	-	4	-	2	-	21	
	21	11	-	4	-	2	-	21	






Visit of Monitoring team to DUS Experimental plot 27.01.2025



3.1.20. DUS TESTING CENTRES FOR WATERMELON AND MUSKMELON

ICAR-Central Institute of Arid Horticulture, Bikaner, Rajasthan

During summer season of 2024, the DUS testing of 02 watermelon entries under candidate hybrids (22 Wm H1 and 22 Wm H2) was done. In muskmelon conducted the DUS testing of 03 entries of under the category of candidate hybrids viz., 22 Mu H1, 22 Mu H2 and 22 Mu H3.







Watermelon entries

3.1.21. DUS TESTING CENTRES FOR POINTED GOURD

Bidhan Chandra Krishi Viswavidyalaya, Kalyani, West Bengal

In order to validate DUS testing guidelines thirty six genotypes/varieties including 18 reference varieties of pointed gourd were collected from different parts of West Bengal, Uttar Pradesh, Bihar and Jharkhand. Stem cuttings of each genotype were planted during the 2nd week of November, 2023 at 5 cm deep pits.

The selected varieties to be grown in the trial were divided into groups to facilitate the assessment of distinctiveness. Characteristics, which are suitable for grouping purpose, are those which are known from experience not to vary, or to vary only to lesser extent, within a variety. The states of expression (even produced at different locations) was fairly and evenly distributed throughout the collection.

The following characteristics were used for grouping of pointed gourd cultivars/ varieties/ hybrids and parental clones.

Sl. No.	Plant parts	:	Characteristics
a.	Leaf: Shape	:	(Characteristic 2)
b.	Fruit: Shape	:	(Characteristic 15)
c.	Fruit: Skin primary colour	:	(Characteristic 16)
d.	Fruit: Surface colour pattern	:	(Characteristic 17)
e.	Fruit: Length	:	(Characteristic 19)

ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh

Twenty-eight Pointed Gourd varieties were collected from different centres and maintained as reference varieties for DUS Testing. These varieties were collected from various centers*i.e.* ,

I.I.V.R., Varanasi, & B.C.K.V. Kalyani. The reference set has been characterized with reference to 25 DUS characters.

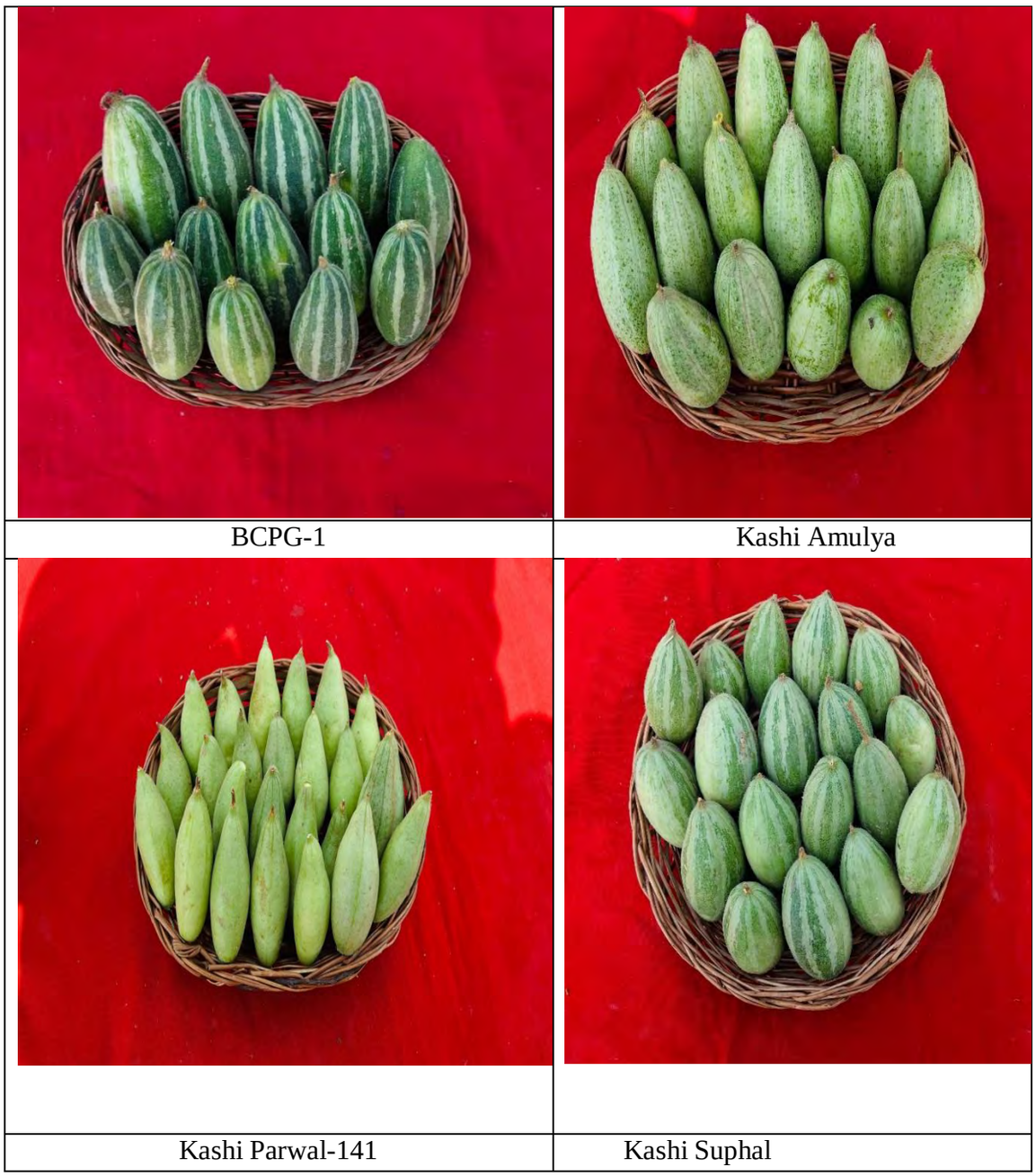


Fig: fruit morphology of some reference pointed gourd varieties.

3.1.22. DUS TESTING CENTRES FOR BETELVINE

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

Maintained 40 (4 released, 36 FV/VCK/germplasm)-list enclosed in Annexure
DUS traits recorded in 11 example varieties and 29 germplasm lines presented in Annexure II.

7.Training cum Awareness programme conducted, publications and other significant achievements, if any:

A tour was undertaken on 19.02.2025 to Majjigesara, Thithahalli areas of Shimoga district of Karnataka to collect local betelvine varieties, where the farmer was cultivating 15 varieties of betelvine under the support of Arecanut.(Photos Enclosed)





Farmer's Field

8. Plan for 2025-2026

- Maintenance and characterization of example varieties of betelvine
- Maintenance and characterization of reference varieties of betelvine
- DUS Characterization of other varieties of betelvine

Bidhan Chandra Krishi Viswavidyalaya, Kalyani, West Bengal

Germplasm augmentation and maintenance of example varieties under closed (Boroj) system of cultivation

The varieties of betelvine collected from different parts of the country are being maintained under boraja structure in two places at Bidhan Chandra Krishi Viswavidyalaya (BCKV), Kalyani, Nadia, West Bengal. In total 41 lines/varieties are maintained at this Co-nodal center of the project (Table-1). This includes all the example varieties mentioned in the DUS testing guidelines. Besides this a few hybrid lines are being maintained at this center.

Table1. List of varieties of *Piper betle* L. maintained at BCKV (Fig.1)

Bangla Cultivars				**Sanchi Cultivars**	
1.	Bagerhat Bangla	16	Lakshman	30	Halisahar Sanchi
2	Bankura Bangla	17	Malishapur Bangla	31	Kalipatti
3	Bhabani Bangla	18	Sada Bangla (Baheral)	32	Simurali Sanchi
4	Bhainchigodi	19	Sada Bangla (Fatepur -1)	33	Gangarampur Sanchi
5	Bhandarkhola	20	Sada Bangla (Fatepur -2)	**Kapoori Cultivars**	
6	Dogapan Sada	21	Sada Bangla (Gangarampur)	34	CARI-6 (AN)
7	Ghanagette	22	SGM -1	35	Kapoori (Chinacheppali)
8	Godi Bangla	23	Simurali Bhabna	36	Kapoori (Doddipatla)
9	Halisahar Jhal	24	Simurali Chamundali	37	Kapoori (Pedacheppali)
10	Harishpur Bangla	25	Simurali Deshi	38	Kapoori (Swarna)
11	Jabalpur Bangla	26	Simurali Gole Bhabna	**Meetha Cultivars**	
12	Kadwa	27	Uttare Pan	39	Meetha-1
13	Kal Bagini	28	CARI-2 (AN)	40	Meetha-2
14	Kali Bangla	29	Bilhari	41	Meetha-3
15	Kotki Bangla				

-Collected two farmer's variety from West Bengal and planted in boreja



Fig.1. Betelvine varieties inside Boreja



Fig. 2. Boreja (Outside & inside)

3.1.23. DUS TESTING CENTRES FOR AONLA (*INDIAN GOOSEBERRY*)

ICAR-Central Institute of Subtropical Horticulture, Lucknow, Uttar Pradesh

During the period 8 number of Aonla varieties are being maintained in the field gene bank (FGB). The DUS testing was performed on 1 candidate varieties and 7 new varieties have been submitted for registration to the authority. The Aonla orchardists of UP, MP and Bihar were sensitized about benefits of registering their varieties with PPVFRA, New Delhi. During the period the one certificate as Farmer's variety has been issued.



Sanjeevani Pink Aonla at Ahmednagar M.S.

3.1.24. DUS TESTING CENTRES FOR BAEL

ICAR-Central Institute of Subtropical Horticulture, Lucknow, Uttar Pradesh

During the period 11 number of bael varieties are being maintained in field gene bank (FGB) with 16 numbers of reference varieties and 4 farmer's variety were validated. The On-site DUS testing was conducted on 6 candidate varieties includes two from Gonda (UP), one from Garhwa (Jharkhand) and 3 from Janjgeer-Chapa (Chhattisgarh). Validated 2 candidate's variety of Bael at Jamshedpur

(Jharkhand) and one at Simdega (Jharkhand). Farmers from UP, Bihar, Jharkhand and Chhattisgarh were sensitized about benefits of registering their varieties with PPVFRA, New Delhi. During the period the 9 no. of certificate as Farmer's variety have been issued by the Authority to the farmers and still 9 number of applications is in process to get its validation of DUS characters of Bael at Janjgeer Chapa (Chhattisgarh) (For Swati Bael); Laukesra (Jharkhand) (for Mardi-BA) and Sangberia (Jharkhand) (for Bairia Bael).





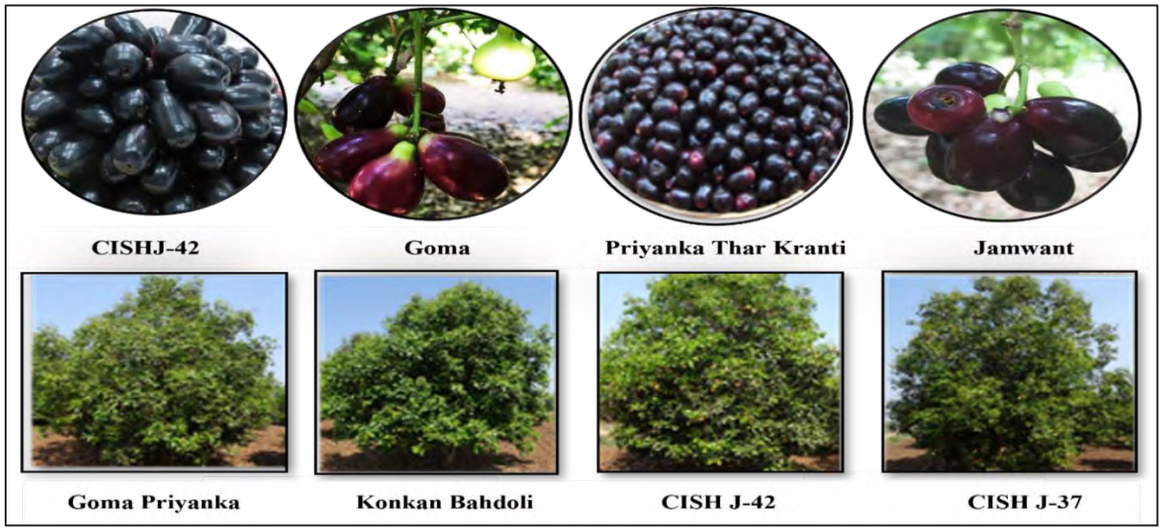
3.1.25. DUS TESTING CENTRES FOR JAMUN

ICAR-Central Institute of Subtropical Horticulture, Lucknow, Uttar Pradesh

A total of 7 reference varieties of jamun were maintained in the field gene bank under recommended cultural practices. A total of 22 accessions were characterized using DUS descriptors for tree growth and fruit quality traits during period under report. Farmers were sensitized for registering their jamun varieties with PPV&FRA.

ICAR-Central Institute of Arid Horticulture, Godhra, Gujarat

Eight candidate/reference varieties (Goma Priyanka, Konkan Bahadoli, CISHJ-42, Thar Kranti, Jamwant, Gokak-1, Round the Year Jamun, Dhoopdal) were maintained in field repository at the Station, CHES, Godhra for testing of farmers variety. Out of these Round the year Jamun and Dhoopdal were collected during October, 2023. Some field views and salient features of varieties are as under:



3.1.26. DUS TESTING CENTRE FOR GUAVA

ICAR-Central Institute of Subtropical Horticulture, Lucknow, Uttar Pradesh

A total of 40 reference varieties were maintained at the DUS centre. The DUS characterization of guava varieties was conducted using reference varieties, which serve as standard for evaluating the distinctness and uniformity of newly proposed guava denominations. First-year data were submitted for the guava denominations DHAWAL and ARKA POORNA as part of the ongoing registration process. Additionally, registration certificates were issued for the guava varieties JARVI RED-1, LALIT and SHWETA for the period under report. Efforts were also undertaken to sensitize guava growers in Sehore, Madhya Pradesh, about the benefits of registering their varieties with the PPV&FRA. Growers were informed about the legal protection, recognition, and potential economic advantages associated with variety registration, encouraging wider adoption of the system and conservation of local guava germplasm.



3.1.27. DUS TESTING CENTRE FOR LITCHI

ICAR-National Research Centre on Litchi, Muzaffarpur, Bihar

On the basis of DUS descriptors, 20 litchi genotypes viz., Shahi, China, Bombai-II, Dehrarose, Gandaki Yogita, Purbi, CHL-5, CHES-II, Ajholi, Bombai-I, Bedana, Gandaki Lalima, Gandaki Sampada, Mandaraji, Calcuttia, Rose scented, Trikolia, Longia, Green, Dehradun were morphologically characterized and maintained as reference verities at Field Genebank ICAR-National Research Centre on Litchi, Muzaffarpur, Bihar. Twenty-five traits comprising leaf, flower, fruiting, fruit and seed characters were evaluated as per DUS Performa.

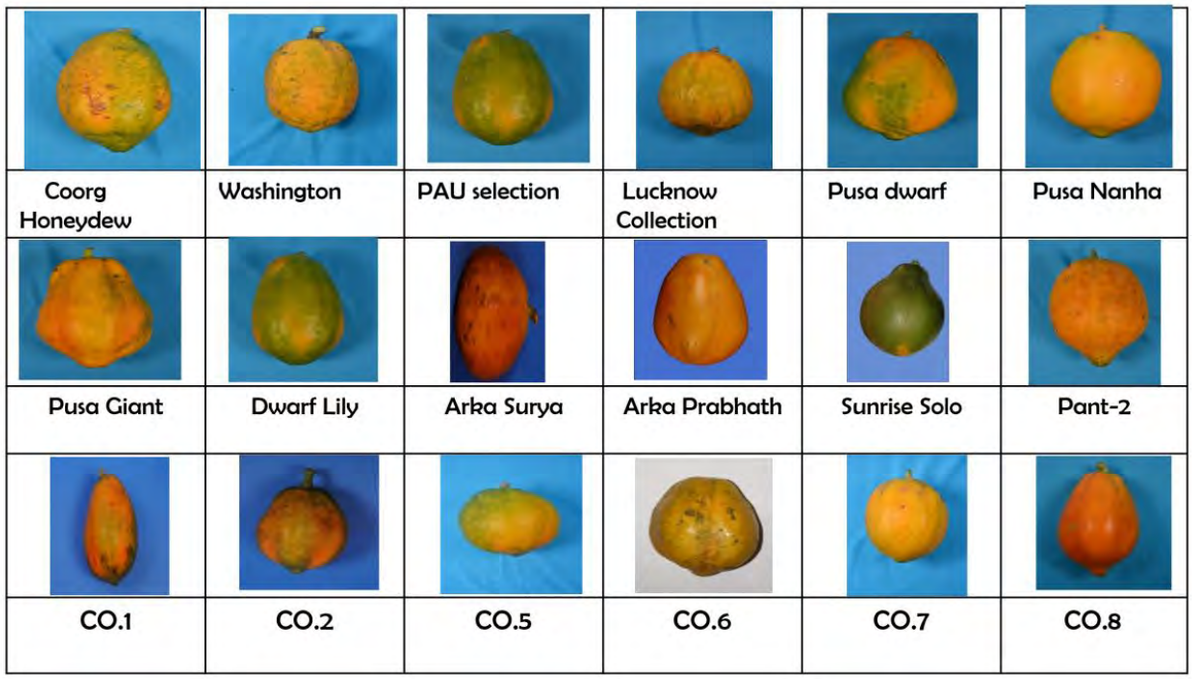


On-site DUS testing of KG-1

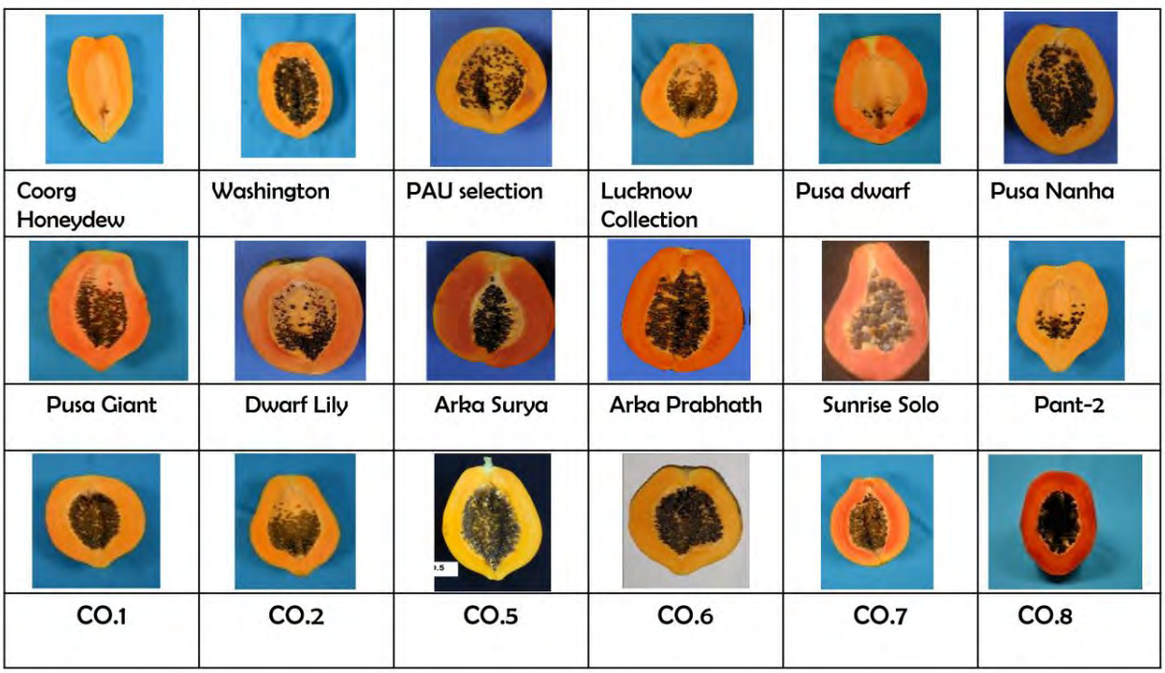
3.1.28. DUS TESTING CENTRES FOR CUSTARD APPLE AND PAPAYA

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

PAPAYA : During the reported period 18 reference varieties (Arka Prabhath, Arka Surya, CO.1, CO.2, CO.5, CO.6, CO.7, CO.8, Washington, Pusa Nanha, Coorg Honey Dew, Dwarf Lily, Pusa Dwarf, PAU selection, Lucknow collection, Pusa Giant, Pant 2, Sunrise solo) were raised and DUS characters were recorded. Selfing and sib mating were carried out to maintain the genetic purity. DUS testing for the candidate varieties Bhimthadi selection and VNR Madhur were completed.



Fruit shape of reference varieties

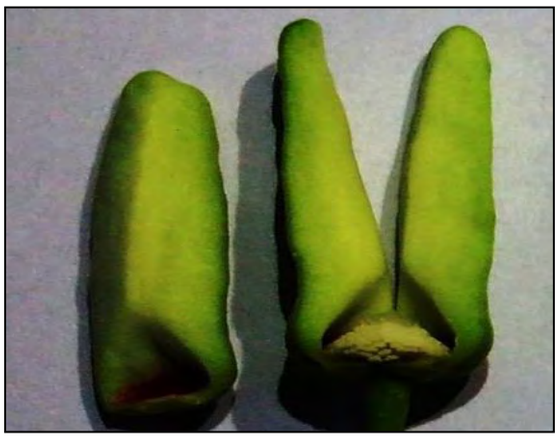


Papaya: Pulp colour of reference varieties.

CUSTARD APPLE : During the reported period DUS characters were recorded for 10 reference varieties (Balanagar, Raidurg, APK-1, Red Sitaphal, Mammoth, Barbados, Washington 07005,

Washington 98797, Taiwan and Arka Sahan) and maintained in the field gene bank. On-site DUS testing of Arvi, Sita Ramphal, Samruddi and Sundar have been conducted for the first year.

Details of DUS testing of candidate varieties: Custard Apple



Check: Balanagar



VNR Madhur

Petal inner colour



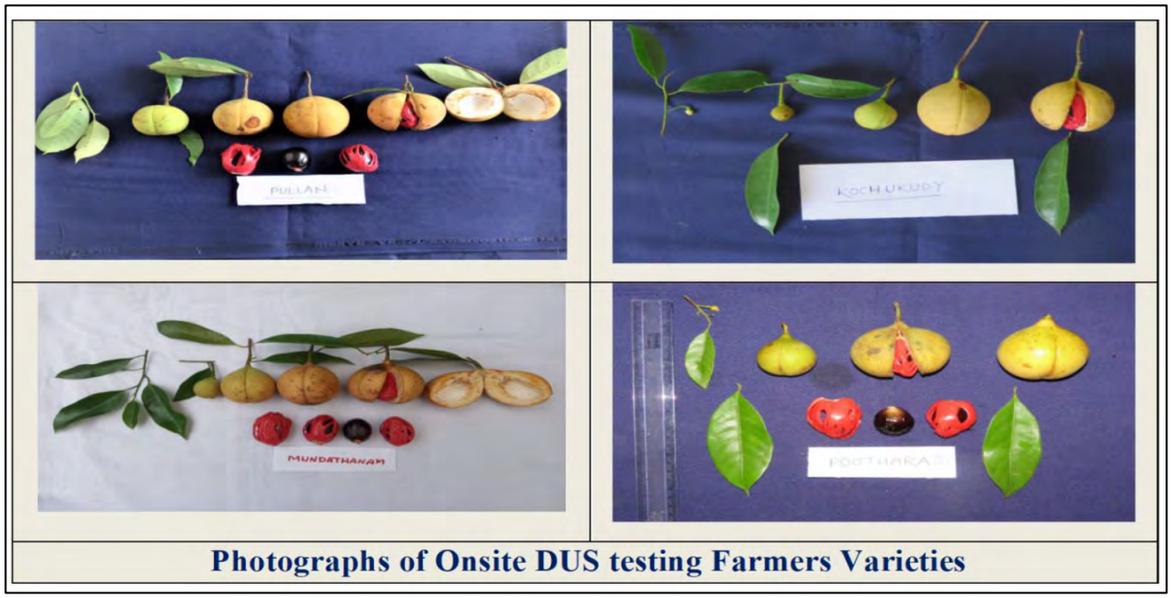


Segmentation on surface

3.1.29. DUS TESTING CENTRE FOR NUTMEG

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Ratanagiri, Maharashtra

In 2018, a total of 13 farmers' varieties (five plants of each type) and 32 reference varieties were planted at the DUS Centre, Mulde. Three farmers' budded grafts (11 grafts of each type) from Kerala are being tested and observed at Tetwali block, CES Wakawali for registration. Onsite DUS testing of six farmers' varieties from Kerala was conducted and the data were submitted to PPVFRA. Additionally, three candidate varieties from the DUS Centers were registered during the year.



Photographs of Onsite DUS testing Farmers Varieties



Awareness about DUS center on Nutmeg to the farmers, students and visitors

3.1.30. DUS TESTING CENTRE FOR CASHEW

ICAR-Directorate of Cashew Research, Puttur, Karnataka

A total of 44 varieties has been characterized and maintained. The database along with reference block of 30 varieties established. Two-year DUS testing data for H-130 (Nethra Ganga) have been generated and compiled. First-year DUS evaluation has been completed for Nethra Vaaman, Nethra Jumbo-1 (H-126), Vengurla-9, Poornima, and Nethra Ubhaya, while the second-year evaluation for these varieties is currently in progress. Onsite DUS evaluation of Nethra Jumbo-2 is underway for 25 DUS characters in the first year. Biochemical parameters, including tannin content, ascorbic acid, and total sugars, have been estimated for all

30 reference varieties and six candidate varieties. Plants in the reference block, gene bank, and DUS evaluation block have been labeled with Aluminum Composite sheets for better visibility. Additionally, 58 germplasm accessions have been collected and planted in the germplasm evaluation block. For evaluation of polyclonal hybrids from the core collection, 42 seedlings from nine accessions (NRC 101, NRC 160, NRC 318, NRC 319, NRC 342, NRC 401, NRC 458, NRC 463, NRC 470) were planted.



3.1.31. DUS TESTING CENTRE FOR WILLOW

Dr YS Parmar, UHF, COF-Nauni- Solan

The DUS Centre for Willow is currently maintaining seventeen willow (Salix spp.) reference varieties and one farmer variety, with a focus on ensuring compliance with Distinctness, Uniformity, and Stability (DUS) standards. The farmer variety 'DOODER-1' has been officially registered by the Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), Government of India. Training-cum-Awareness Camps were organized in December 2024 across Kangra (Alampur, Palampur, Jawalaji), Hamirpur (Bhota, Badsar, Sujanpur), and Una (Lathiyani, Bangana) districts, and subsequently in March 2025 in Chamba district (Chamba, Bhanota, Kandla, Khajjiar, and Kiani). These programs aimed to educate farmers and Panchayat representatives on the process of registering farmer-bred willow varieties with the PPVFRA. Through interactive sessions and the distribution of informative pamphlets, farmers were encouraged to identify, document, and submit unique willow germplasm for potential registration with PPVFRA, New Delhi. The initiative emphasized the importance of awareness, conservation, and registration of valuable willow genetic resources for sustainable utilization and protection of farmers' rights.



Qualitative and quantitative characters (leaf and stem) of *Salix* example varieties

3.1.32. DUS TESTING CENTRE FOR BER

ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan

Center is maintaining total 110 Ber reference varieties and conducted on site testing of 7 candidate varieties of Ber during 2024-2025. Awareness program for the farmers of Rajasthan for registration of farmer's varieties was conducted. Students were also brief about Ber biodiversity and its cultivation. Onsite data collection of nine Ber varieties of farmers were assigned in Jharkhand & Bihar state from PPVFRA. This year total nine varieties data were recorded. Among them three i.e., Ber Sangbari, Ber Geruwa and Sugri exhibited distinctive traits.



Ber Sangbari **Ber Geruwa** **Sugri**

Further, stable characters were studied on 25 reference varieties, in which 21 characterized as new variety and total 85 Ber varieties maintained.



Diversity of Indian Jujube

Additionally, seed-generated ber populations were established and evaluated based on morpho-physiological and biochemical DUS characteristics. Among these, Deshi Ber and Gola Ber are early-maturing varieties that fetch premium market prices, while Thar Sevika is an early-maturing hybrid variety.



Deshi Ber **Gola Ber** **Thar Sevika**



Outreach activities during 2024-25

3.1.33. DUS TESTING CENTRES FOR SWEET POTATO AND CASSAVA

ICAR- Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala

The DUS Centre is maintaining 35 cassava and 42 sweet potato varieties as reference material in the field. DUS trials were conducted for the registration of two farmers' cassava varieties, Pachikizhangu and Manna, and the results of DUS testing for Manna at the nodal and co-nodal centres were submitted. Farmers' varieties are being multiplied at the DUS Centre for further testing at two locations. Additionally, farmers were sensitized about the registration of cassava and sweet potato varieties through training programs and field visits.

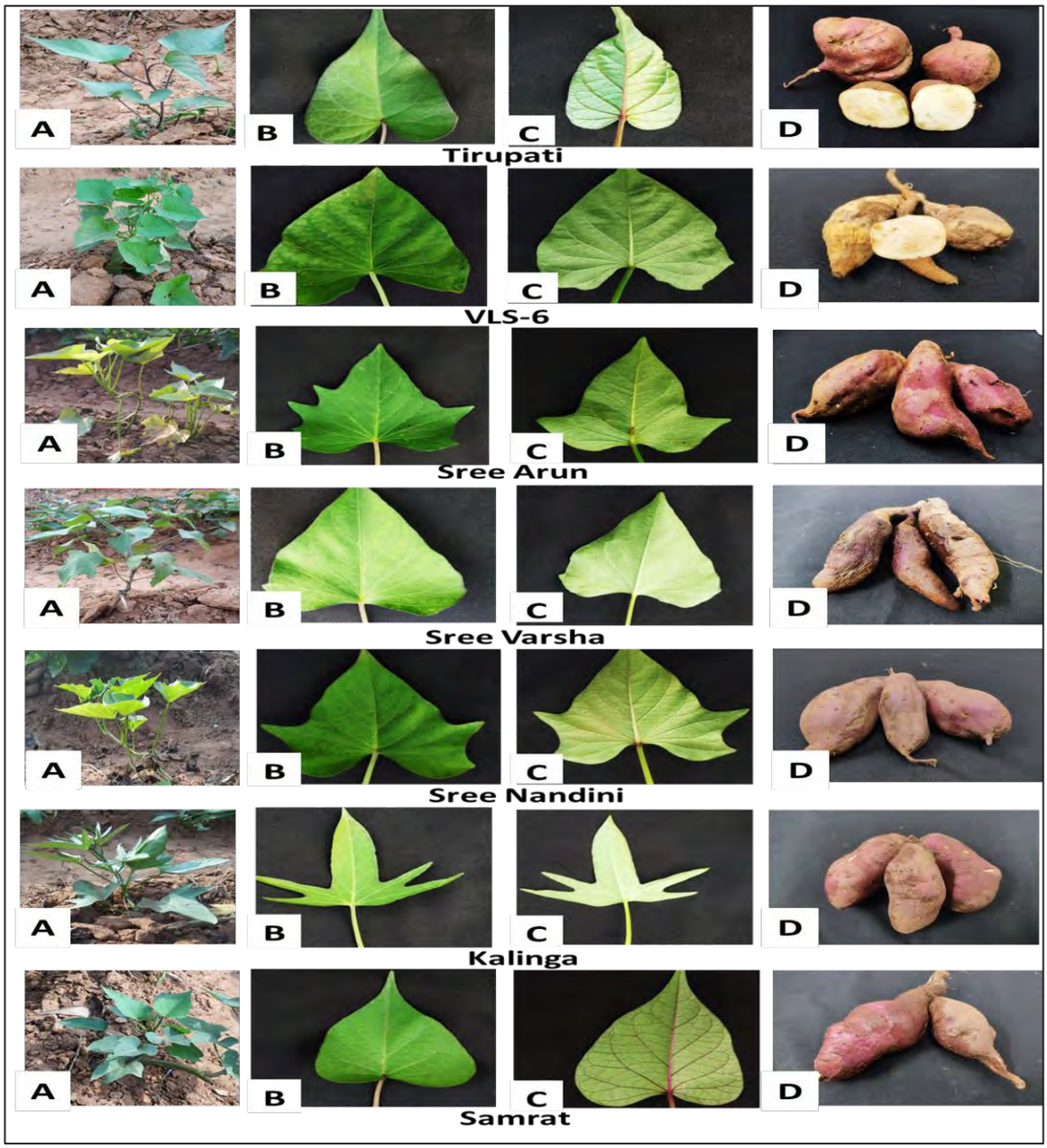


Field Gene Bank of Cassava **Field Gene Bank of Sweet Potato**

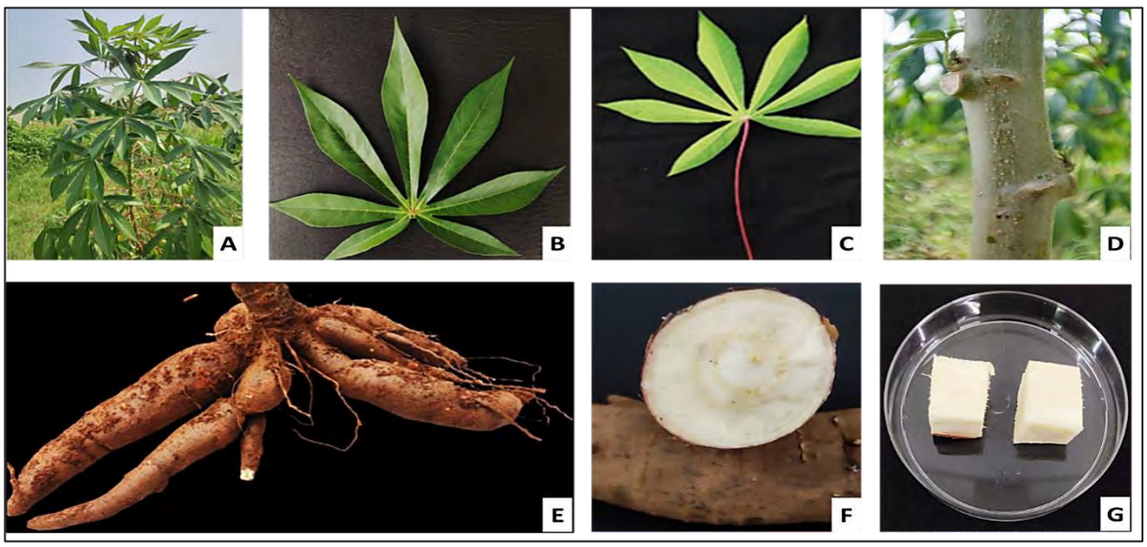
ICAR- Central Tuber Crops Research Institute, Bhubaneswar, Odisha

Sweet Potato and Cassava

The field gene bank at the Regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha, maintains 43 reference lines of sweet potato and 17 lines of cassava. For each sweet potato reference line, 19 pre-harvest and 6 post-harvest traits were identified and recorded, while for each cassava reference line, 22 pre-harvest and 8 post-harvest traits were documented. Maintenance breeding was carried out to preserve the integrity of the reference varieties.



Morphological characters of some reference lines: A- Mature Plant; **B-** Mature leaf shape and colour; **C-** Abaxial leaf vein pigmentation; **D-** Tuber Shape and colour



Morphological characters of Cassava variety: Manna. A. Plant; **B.** Adaxial leaf surface; **C.** Abaxial leaf surface & Petiole; **D.** Stem; E. Tuber Shape and Skin Colour; **F.** Rind Colour; **G.** Flesh Colour

3.1.34. DUS TESTING CENTRE FOR ELEPHANT FOOT YAM AND TARO

ICAR- Central Tuber Crops Research Institute, Bhubaneswar, Odisha

The Centre has maintained 21 taro and 18 elephant foot yam lines as reference collections in the field gene bank at the Regional Station, Bhubaneswar, Odisha. For elephant foot yam, 20 pre-harvest and 18 post-harvest traits of each reference line were identified and documented, while for taro, 34 pre-harvest and 16 post-harvest traits were recorded. Taro varieties are also maintained *in vitro* to safeguard them against cyclone-prone conditions in the region.



Field gene bank of Taro varieties at regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha.



ICAR-CTCRI, Sreekariyam, Thiruvananthapuram: Greater Yam and Yam bean

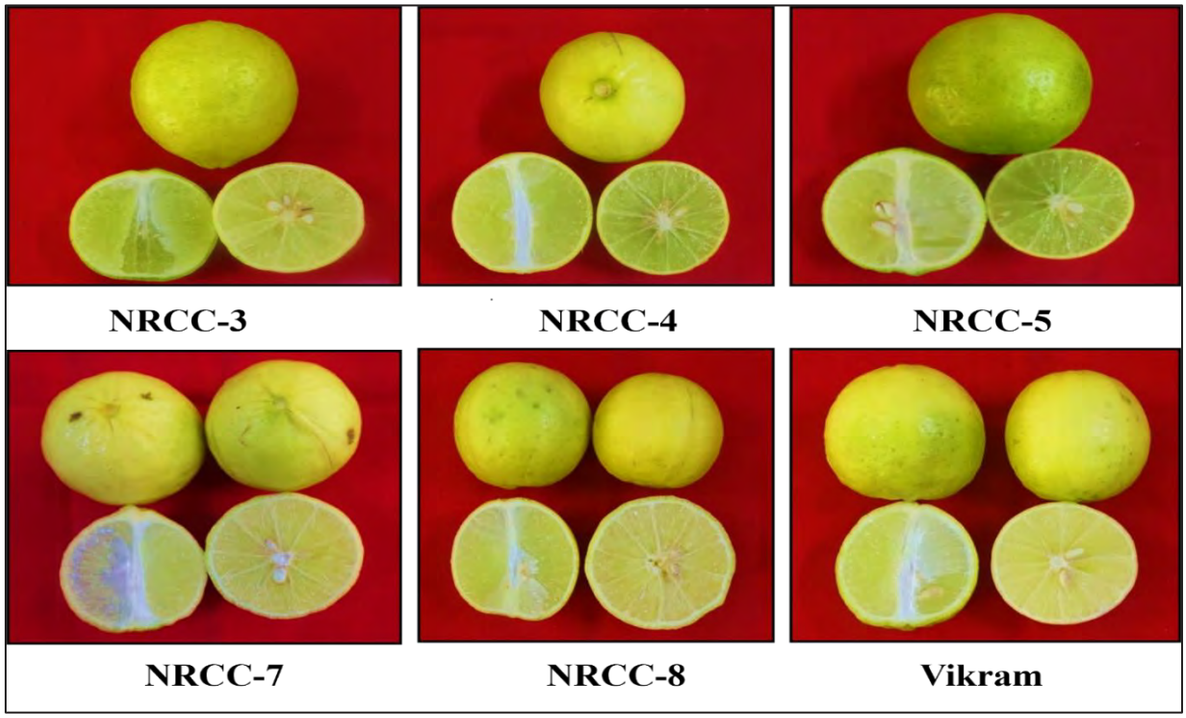
The application for registration of two Farmer variety of Greater yam (*Dioscorea alata* L.) having denominations Inchi Kachil and Palu Vella Kachil were submitted for registration under PPVFRA. Both submissions were approved and received the acknowledgement numbers, REG/2025/0267 - Inchi Kachil and REG/2025/0268 - Palu Vella Kachil. Both these materials need to be multiplied and conduct DUS test as per DUS test guidelines. Two additional Farmer- varieties received and two extant varieties are scheduled for submission for registration under PPV&FRA within the current year.

A total of 4 reference varieties, 20 example varieties, 10 released varieties, along with 400 germplasm accessions of greater yam (*Dioscorea alata* L.) and yam bean (*Pachyrrizus erosus*) (4) were maintained in the field gene bank for conservation. The DUS testing guidelines have been developed and published in the PPV&FRA website. For the DUS testing of greater yam, 20 characteristics were selected, of which five characteristics, viz., petiole colour, leaf shape, tuber shape, tuber cortex colour and tuber flesh colour, were identified as grouping traits.

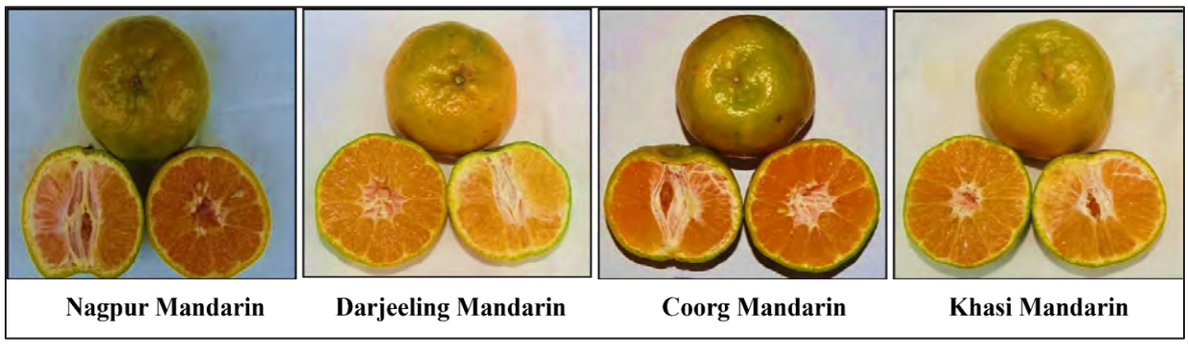
3.1.35. DUS TESTING CENTRE FOR ACID LIME, MANDARIN, SWEET ORANGE

ICAR-Central Citrus Research Institute, Nagpur, Maharashtra

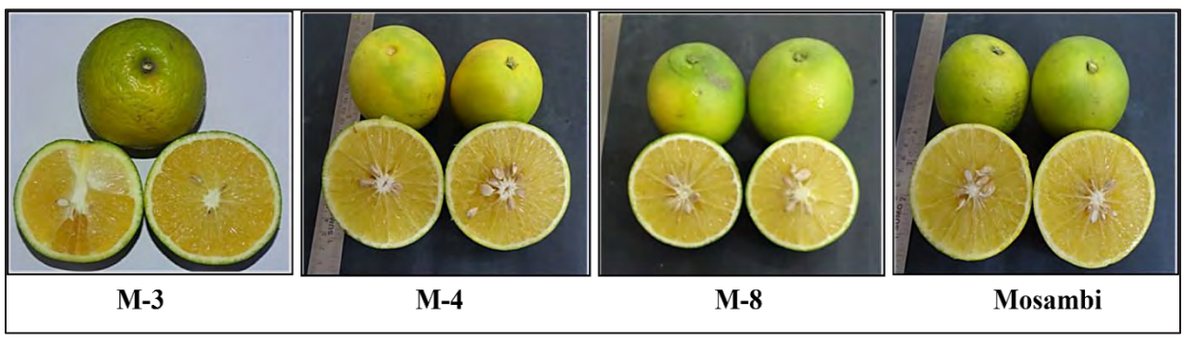
Center is maintaining total 25 Citrus Reference varieties and tested 1 candidate varieties during 2024-2025. A total of 9 Acid lime varieties namely Vikram, Pramalini, Sai Sharbati, NRCC Niboo – 2, NRCC Niboo – 3, NRCC Niboo – 4, NRCC Niboo – 5, NRCC Acid Lime – 7 and NRCC Acid Lime – 8 as per details maintained during the year.



A total of 07 Mandarin varieties namely NRCC Nagpur Mandarin Seedless – 4 (N - 4), Mudkhed seedless, Sikkim mandarin, Darjeeling mandarin, N-28, N-34, N-38 maintained during the year.



A total of 04 Sweet Orange variety namely M3, M4, M8, Mosambi, Sathgudi maintained during the year.



3.1.36. DUS TESTING CENTRE FOR TEMPERATE FRUITS AND NUTS VIZ. APPLE, PEAR, PEACH, PLUM , APRICOT , CHERRY, ALMOND, WALNUT AND STRAWBERRY

ICAR- Central Institute of Temperate Horticulture, Srinagar, Jammu and Kashmir

The germplasm block comprises 250 apple varieties and hybrids, making it the first repository in Asia to maintain such a large collection of a single fruit species at one location. Databases for apple (60 varieties), apricot (16 varieties), almond (13 varieties), and walnut (27 varieties) were developed and submitted to the Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), New Delhi. In addition, a monograph and two research papers were published based on the characterization work. DUS testing of candidate varieties was carried out through on-site DUS testing. Characterization of all the crops was performed as per the DUS descriptors developed by PPVFRA, New Delhi. The recorded data were standardized and converted into distinct notes, which now serve as a reference database for comparing candidate varieties with reference varieties at any time.

The maintenance of reference varieties is being carried out at the Nodal Centre, ICAR-Central Institute of Temperate Horticulture (CITH), Srinagar, where all morphological traits and characters are regularly evaluated for uniformity and stability. Furthermore, a new germplasm block of apple has been successfully established at ICAR-CITH, Srinagar, to strengthen conservation and DUS characterization efforts.



DUS testing of farmers varieties: Apple, pear, peach and walnut during 2025-26



Apple: W-38 (Cosmic Crisp)

Candidate variety (TP-15-41) and Reference variety (Doyenne-du-Comice)



Apricot refrence variety : TP-15-41

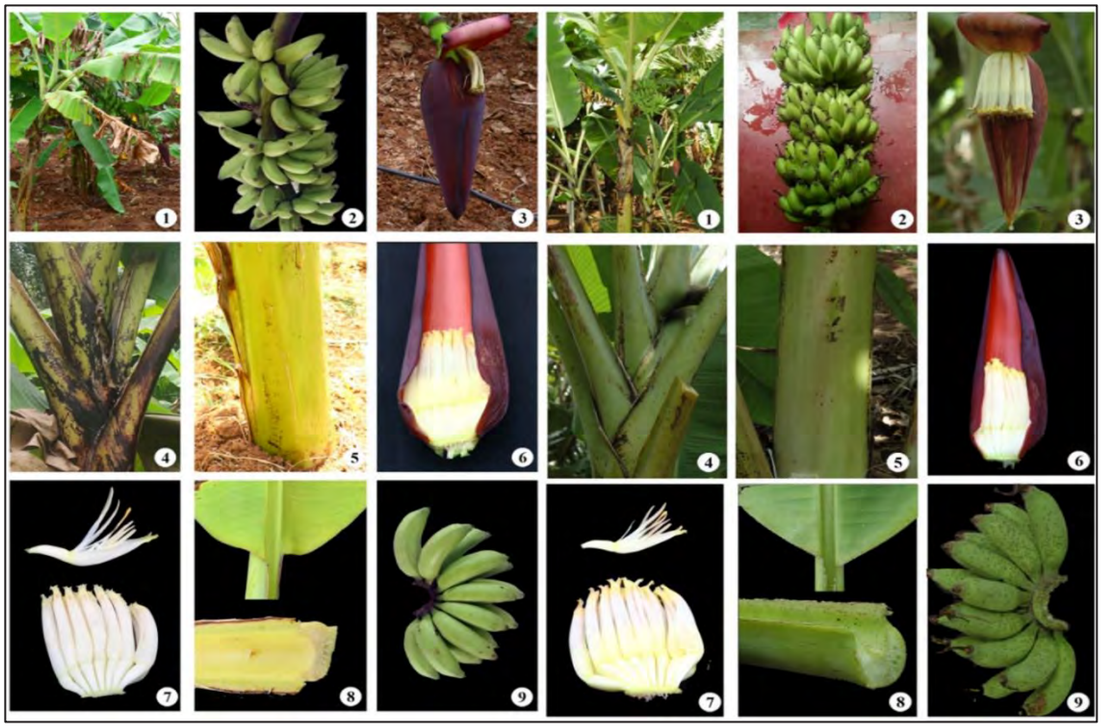


Walnut (Farmer's variety Doon)

3.1.37. DUS TESTING CENTRE FOR BANANA

ICAR- National Research Center for Banana, Trichy, Tamil Nadu

A total of 54 banana reference varieties were maintained at the centre. During 2024–2025, three candidate varieties of banana were tested on-site. DUS characterization was completed for two farmers' varieties, Ney Kadali and Chavaniyankal Poovan, along with their respective reference accessions, Kadali and Rasthali, and the results have been submitted. Three farmers' varieties *viz.* Thottu Chingan, Kudhiraival Chingan, and Ney Kadali have been successfully registered with PPVFRA, New Delhi, and registration certificates have been received. A DUS awareness programme was conducted on 21.08.2024 at ICAR–NRCB, Tiruchirappalli, for 30 farmers from the districts of Tiruchirappalli, Thanjavur, and Karur, Tamil Nadu.



Distinguishing characteristics of Reference and Farmers varieties



3.1.38. DUS TESTING CENTRE FOR NONI

ICAR- Central Island Agricultural Research Institute, Port Blair, Andman and Nicobar Islands

Varieties under maintenance/characterised:

Mandated Crop Species	Name or No of varieties under maintenance breeding in 2017-18	Data Submission (Maintenance Breeding) Yes/No
Noni (*Morinda*	CIARI Dweep Sampada, CIARI Dweep Sanjivini, CIARI Dweep Rakshak and	Maintained

citrifolia)	CIARI Dweep Samrudhi	
	Cluster bearing noni	Maintained

d) Salient Achievements

The methanol extracts of Noni wood extracts were subjected to gas chromatography-mass spectrometry (GC-MS). The obtained spectra were analyzed. The methanol extract of wood from noni plant showed many phytocomponents. A total of 18 classes of phytoconstituents were found. The compound's name, molecular weight, formula and structure were extracted from NIST and PUB med. Out of which two compounds namely 2-Nitrohept-2-en-1-ol and á-n-Propylether of 11-epi-dihydroartemisininhave been detected foe the first time. The highest probability found in components such as (86.5%) 4H-Pyran-4-one,2,3-dihydro-3,5-dihydroxy-6-methyl-,(69.7%) 4-((1E)-3-Hydroxy-1-propenyl)-2-methoxyphenol,(48.8%) trans-Sinapyl alcohol, (39.1%) 2H-Pyran, tetrahydro-2-(12-pentadecynyloxy)- and (36.1%) n-Hexadecanoic acid. Thus the methanol wood extract shows that the major probability phytochemical possesses Antioxidant, Anti-inflammatory, Antimicrobial and antitumor activities and is mostly preferred for various therapeutic purposes.

The highest average fruit yield of 61.75 kg/tree/year was recorded in CIARI Dweep Sampada, which was comparable to CIARI Dweep Samridhi (57.42 kg/tree/year), followed by CIARI Dweep Sanjivini (41.75 kg/tree/year). The minimum fruit yield of 29.85 kg/tree/year was noted in CIARI Dweep Rakshak. Significant variations were observed between the different characteristics of the trees. The total fruit yield was higher than the previous year's harvest. However, there were variations in the mean fruit output per tree among the different types. It is important to note that CIARI Dweep Sampada had significantly highest mean weight with an average of 7.4 kg/tree in November, followed by CIARI Dweep Samridhi, (6.25 kg/tree/month) and the lowest fruit yield of 2.96 kg/tree was recorded in CIARI Dweep Rakshak.

1. Training cum Awareness programme conducted, publications and other significant achievements:

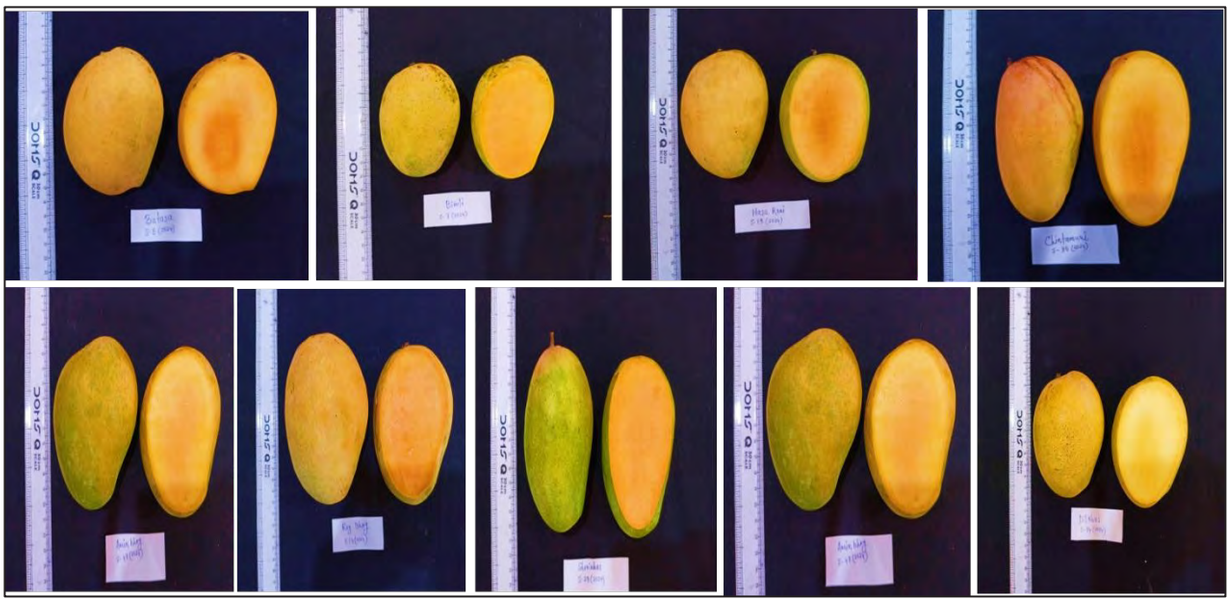
Title	Duration with date	Venue with collaborating agency	Participation in No.		
			Male	Female	Total
Scientific management of plantation and vegetable for higher productivity	18th to 21st July 2024	ChotaEnaka, Kakana, Pilpillow and Vikas Nagar villages of Nancowrie group of Islands	66	87	153

3.1.39. DUS TESTING CENTRES FOR MANGO

ICAR-CISH, RRS, Malda, W.B.

ICAR-CISH Regional Research Station, Malda has been working as collaborating DUS centre on mango since 2018. The centre took the initiative for protection of farmers' varieties of mango from eastern region of India. Initially, the focus was given for protection rich diversity of farmers' varieties of mango

from Malda and Murshidabad districts of West Bengal and facilitated to submit application for registration under PPVFRA 2001. The centre facilitated 105 farmers' varieties of mango during 2024-25 and did on-field testing of 89 farmers' varieties of mango for necessary submission to PPVFRA. As a result, aspirant farmers received the registration certificate of 81 farmers' varieties of mango.



Farmers Verities of Mango from Malda, West Bengal

ICAR-Indian Institute of Horticulture Research, Hesarraghatta, Bengaluru, Karnataka

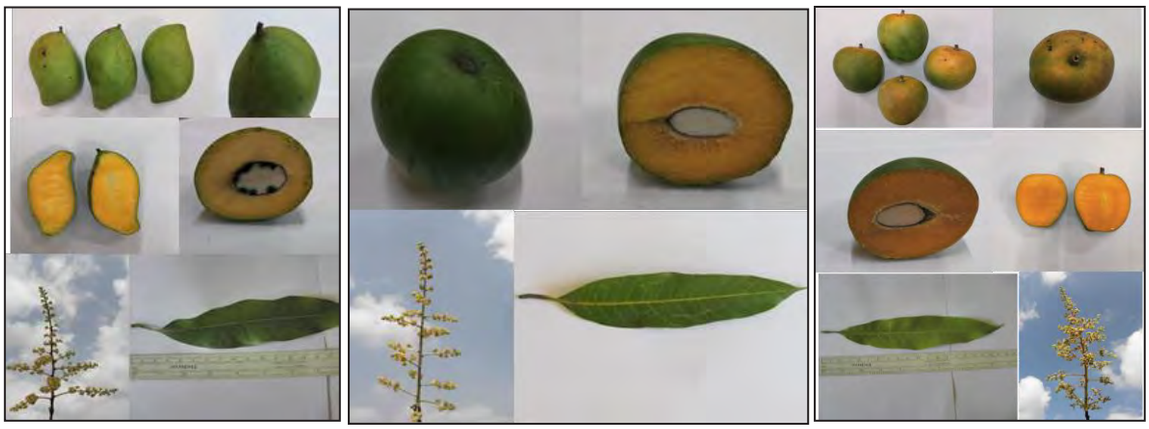
A total of 30 farmer's varieties and 10 reference varieties are being maintained in the field for DUS testing of 33 morphological characters as per DUS test guidelines. During the reporting period, 16 mango varieties were analyzed for the fruit quality traits and the results are presented in Table 1. The maximum fruit weight was recorded in the variety Red mango (281.2g) whereas the minimum fruit weight was recorded in the variety Firdose (60.2g). Total soluble solids ranged from 13.45 to 23.7 ^{0} Brix. The highest value was recorded by the variety A13 (23.7 ^{0}Brix) and lowest value was recorded in the variety Shakeera (13.45^{0} Brix).

On site evaluation of farmers varieties.

On site evaluation of farmer's varieties of mango (Abid, Choto and Mangamari) on 05.07.2024 which was submitted by a farmer, Mr. Syed Ghani Khan, Kirugavalu Village, Mandya, Karnataka was carried out by a team comprising of Dr. M. Sankaran, Dr. C. Vasugi, Dr. K. Abirami and Mr. Sunil Gowda, from the Division Fruit Crops, ICAR-IIHR, Division of Fruit Crops, Bengaluru and all three varieties have been registered with PPVFRA.



Field photo of onsite DUS testing, Kirugavalu, Mandya



Abid **Choto** **Mangamari**

Three mango varieties (Abid, Choto and Mangamari) was registered

3.1.40. DUS TESTING CENTRES FOR SUGARCANE (SUB-TROPICAL)

ICAR- IISR, Lucknow

A total of 180 sugarcane clones were maintained as reference collection for the sugarcane DUS testing during the crop season 2024-25. This reference collection includes all the identified, released and notified varieties from CVRC, varieties released from states and clones from Advanced Varietal Trials of AICRP(S) available with different research organization working on sugarcane. Observations on various morphological traits used for DUS testing were recorded on the sugarcane clones maintained in the reference collection as per the DUS testing guidelines.

In the DUS testing trial 2024-25, three newly released sugarcane varieties *viz.* CoLk 15201, CoLk 15207 and CoLk 15466 were tested in first year trial whereas, Co 16030 has been tested for second year trial as per the DUS testing procedure in sugarcane observations has been recorded and complied during 2024-25. For the second-year trial of same DUS test entries along with their reference varieties has been planted at main DUS testing centre, Lucknow in 2025-26.



CoLk 15021



CoLk 15466



CoLk 15207

3.1.41. DUS TESTING CENTRE FOR COCONUT

ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala

A total of 14 coconut varieties are under maintenance breeding at nodal DUS centre. Seed nuts of reference/released/extant varieties viz., COD, WCT, CGD, GBGD, SNRT, Spicata Tall, LMT, Kalparaksha, Kalpa Dhenu, Kalpa Pratibha, Kalpa Mitra, Chandra Kalpa, Kerachandra, Kalpatharu, Kalpa Jyothi, Kalpa Surya, were sown in poly bags for generating seedlings for meeting requirements of DUS testing.

DUS descriptor data of the farmer's variety Edava Long Fibre Coconut was recorded on available seedlings, juvenile palms and 15 adult palms indicated by the applicant in farmers gardens in Kappil, Edava, Trivandrum district of Kerala. Certified data, including the mean as well as data range, for DUS descriptor traits were submitted to PPVFRA. On site observations were undertaken during May 2024 on adult palms of the candidate variety Konkan Bhatye Coconut Hybrid-1 at RCRS, Bhatye and second set of tender nut and mature nut characters are recorded. Wide variation was recorded for tendernut water content (190-470 ml) as well as fruit component traits with fruit weight and copra content ranging from 678-925g and 140-230g, respectively.



Konkan Bhatye Coconut Hybrid-1 Tender Nut | **Edava Long Fibre Coconut Fruits** | **Edava Long Fibre Coconut Nut**

3.1.42. DUS TESTING CENTRE FOR DATEPALM

ICAR- Central Institute for Arid Horticulture, Bikaner, Rajasthan

During the reporting period, the conservation and maintenance of 42 reference varieties of date palms were successfully carried out. of these, 40 varieties were evaluated for a range of morphological, fruiting, yield-attributing, and quality traits. Observations were made on various morphological characteristics, including leaf length, leaflet dimensions, number of thorns per rachis, inter-thorn distance, thorn length, and leaf folding angle. Yield-related traits such as the number of bunches per plant, stalk length, bunch length, number of strands per bunch, strand length, number of fruits per strand at the pea stage, fruit drop per strand, number of harvested fruits per strand, and drop percentages were also assessed. Fruiting traits were recorded, including bunch weight, fruit weight, fruit dimensions, stone weight, pulp weight, pulp-to-stone ratio, stone dimensions, and pulp thickness.

Quality traits, such as fruit color and total soluble solids (TSS), were also evaluated. The data collected revealed significant variation across all these parameters.



Onsite DUS testing of Candidate varieties

On-site DUS testing was conducted for a total of four candidate varieties in Rajasthan and Gujarat. Of these, three candidate varieties were tested at Saheb ki Dhani, Village and Post Anwa, Tehsil Dooni, District Tonk, Rajasthan. These three varieties were evaluated at the Date Palm sites ST-1/REG/2021/0170, ST-2/REG/2021/0171, and ST-3/REG/2021/0172. The remaining candidate variety, SONA-100, was subjected to DUS testing at Village Zarapara, Taluk Mundra, District Kachchh, Gujarat.



3.1.43. DUS TESTING CENTRE FOR POMEGRANATE

ICAR-National Research Centre on Pomegranate, Solapur, Maharashtra

A total of 29 pomegranate varieties were maintained as reference varieties, and DUS characterization of the farmer variety 'Suii' from Sanjak village, Kargil, Jammu & Kashmir, was carried out for 26 DUS traits at the maturity stage of the crop. The variety was observed to be a tall-growing tree (3.96 m) with a spreading habit and medium-dense foliage. It possesses long, lanceolate leaves (length 7.63 cm, width 2.23 cm) with a relatively long petiole (length 6.92 mm). The plant bears oval-shaped fruits that are yellow with a pink tinge (length 5.71 cm, diameter 6.32 cm) and have a thin rind (1.79 mm). The fruits contain red, sweet arils of medium size (length 9.53 mm, width 5.58 mm) with total soluble solids (TSS) of 15.02 °Brix, acidity of 0.78%, and hard seeds (65.20 N). The fruits mature in 175–185 days and exhibit a juiciness of 52.54%. Additionally, the variety was showcased during the World Intellectual Property Day 2024 program on "IP and the Sustainable Development Goals (SDGs): Building Our Common Future with Innovation and Creativity" held on April 26, 2024.



3.1.44. DUS TESTING CENTRE FOR NEEM, KARANJ AND JATROPHA

Forest College and Research Institute Tamil Nadu Agricultural University, Mettupalayam, Tamil Nadu

Forest College and Research Institute, TNAU, Mettupalayam is the Nodal centre of DUS test centre for Neem and Karanj. In this centre, germplasm reference collection of Neem and Karanj was maintained since 2014. About 32 reference collection of Neem and 33 Reference collection of Karanj were maintained at this institute with different traits/descriptors (Pseudo qualitative, Qualitative and Quantitative traits). In Neem, totally 21 descriptors of which 11 essential and 10 descriptive characters were developed and standardized and in Karanj, totally 23 descriptors of which 13 essential characters and 10 descriptive characters were developed and standardized.



Whitish Yellow **Pinkish White**

Inflorescence characters of Karanj Reference collection



Oblong **Ovate**

Pseudo-qualitative character (Seed shape) of Neem Reference collection

3.1.45. DUS TESTING CENTRE FOR BOUGAINVILLEA

ICAR-Indian Agricultural Research Institute, New Delhi

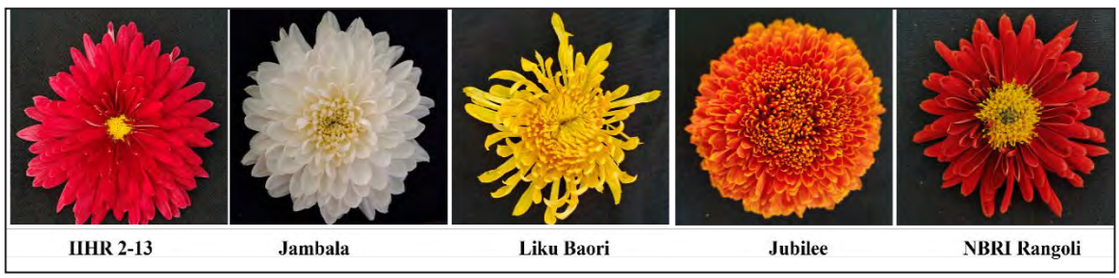
The Centre is maintaining approximately 87 varieties of bougainvillea representing different groups based on growth habit, such as thorny, thornless, single-bracted, multibracted, bicolour, and variegated types. During the period, seven bougainvillea germplasm accessions—Poulton Special, Elizabeth, Blue Puff, Dream, Lateritia, Pallavi, and Fantasy—were collected from various sources. In addition, unidentified collections were made from Agra, Uttar Pradesh (Agra-1 and Agra-2) and Solan, Himachal Pradesh (Solan-1 and Solan-2). Germplasm of different bougainvillea varieties has also been procured from various institutions such as KVK (West Bengal), BUA&T (Banda), DFR (Pune), and MHU

(Karnal), as well as from organizations like CPWD, AIKGA, and garden enthusiasts from the Delhi NCR region. One farmer's variety, Geoffery Nagpal, has been successfully registered.

3.1.46. DUS TESTING CENTRE FOR CHRYSANTHEMUM

ICAR-IIHR, Bengaluru

Chrysanthemum: A total of 90 genotypes were characterized for 77 traits as per DUS test guidelines. Two Chrysanthemum candidate varieties namely NBRI-Pukhraj and NBRI-Himjyoti received for DUS testing from CSIR-NBRI, Lucknow. These varieties were multiplied through terminal cuttings and planted in main plot. The crop is under observation and maintenance.



IIHR 2-13 | Jambala | Liku Baori | Jubilee | NBRI Rangoli

ICAR-Indian Agricultural Research Institute, New Delhi

Maintaining 25 example varieties and DUS Characterization of Varieties. 165 varieties were maintained among which 25 varieties were evaluated based on DUS guidelines of PPVFRA. The varieties were grouped based on characteristics as mentioned in the guidelines.



Pooja | Autumn Yellow | Autumn Pink | DFR Swarna | Autumn Pink

3.1.47. DUS TESTING CENTRE FOR CANNA, BOUGAINVILLEA AND GLADIOLUS

CSIR-National Botanical Research Institute, Lucknow, Uttar Pradesh

BOUGAINVILLEA

A total of 282 bougainvillea varieties are currently conserved and maintained as reference varieties at the DUS Test Centre, CSIR-NBRI. These are preserved through both field plantations and potted collections, with regular cultural practices including irrigation, pruning, nutrient management, and pest control implemented throughout the year to ensure plant health and true-to-type characteristics. Large-scale multiplication of the germplasm is carried out using vegetative propagation methods such

as stem cuttings and air-layering, ensuring genetic uniformity and facilitating the expansion of the collection.

CANNA

A total of 45 Canna varieties along with five distinct Canna species were conserved in field beds spanning 3000 m^2, specially designated within the Botanic Garden for the DUS Test Centre. The germplasm was maintained under well-regulated cultural practices throughout the year, including irrigation, weeding, nutrient application, and disease management to ensure healthy and true-to-type growth. Morphological characterization was carried out following the DUS Test Guidelines, with observations recorded for both vegetative and floral traits. Multiplication of accessions was achieved through the systematic division and plantingof rhizomes, ensuring uniform propagation and continued conservation.

Cleopatra is a very unusual Canna variety produces large, incredibly eye-catching yellow flowers adorned with red spots or red flower or even flowers bearing a combination of both. The vibrantly coloured blooms stand out against the lush foliage of large, lance-shaped leaves, which may be green, dark chocolate or a combination of both. Cleopatra is an unstable canna hybrid which gives rise to this extra ordinary combination of colour. It grows up to 90-120 cm, very sensitive to frost and free from pest and diseases.



Canna

GLADIOLUS

A total of 120 gladiolus varieties are conserved and maintained as reference varieties at the centre, with no candidate varieties received during the reporting period. Morphological characterization was carried out following the DUS Test Guidelines, focusing on traits such as plant height, leaf length and width, spike and rachis length, number and arrangement of flowers per spike, and flower shape, size, colour, and attitude. These characteristics were recorded, analyzed, and photographed to identify distinct features, ensuring their effective use as reference material for evaluating and protecting new varieties under the PPV&FR Act, 2001.



3.1.48. DUS TESTING CENTRES FOR CHINA ASTER AND CHRYSANTHEMUM

ICAR Indian Institute of Horticultural Research, Hessarghatta, Bengaluru, Karnataka

DUS China aster

A total of 31 genotypes were characterized as per DUS test guidelines (10 vegetative traits and 11 flower traits).

DUS Chrysanthemum

A total of 90 genotypes were characterized for 77 traits as per DUS test guidelines. Two Chrysanthemum candidate varieties namely NBRI-Pukhaj and NBRI-Himjyoti received for DUS testing from CSIR-NBRI, Lucknow. These varieties were multiplied through terminal cuttings and planted in main plot. The crop is under observation.

3.1.49. DUS TESTING CENTRE FOR SUNFLOWER, SAFFLOWER, CASTOR

ICAR- Indian Institute of Oilseeds Research, Hyderabad, Telangana

The ICAR - Indian Institute of Oilseeds Research, Hyderabad is the coordinating centre for testing of three oilseed crops *viz.*, Castor, Sunflower and Safflower. The work carried out during April 2024 to March 2025 is summarized below.

Castor

During 2024–25, one new candidate entry (2889/2174/H) along with two reference entries (23CAIC6601 H and 23CAGV802 H) of castor were sown for second-year DUS testing as per the test plot design specified in the guidelines. Data were recorded for 30 DUS traits in accordance with the prescribed DUS test guidelines, and the consolidated DUS testing report from two centres for the new candidate two reference varieties was completed. Three new candidate entries (AVANI-41 GOLD WRSH, AVANI-11++ WRSH, and ICH-66) along with two reference varieties (GCH-7 and GCH-8) were also sown for first-year DUS testing, following the same test plot design. Data were recorded for 30 DUS traits as per the guidelines. Similarly, one extant variety (SKP-84) along with two reference entries (IPC-25 and M-574) was sown for first-year DUS testing, and data were recorded for 30 DUS traits.

Final characterization of ten reference varieties (GCH-8, GCH-9, GNCH-1, ICH-66, JP-96, SKP-84, DCS-89, DCS-94, ICS-64, and PCS-124) was undertaken in a replicated trial consisting of five rows of 6 m per replication. Data were recorded for 30 DUS traits in accordance with the guidelines. Additionally, six parental lines of castor (DCS-9, DCS-107, 48-1, DCS-78, SKP-84, and Haritha) were maintained and multiplied during Kharif 2024.



Sunflower

During 2024–25, one new candidate entry (2889/2175/H) along with two reference entries of sunflower (23SURS8701 H and 23SULS7102 H) were sown for second-year DUS testing as per the test plot design specified in the guidelines. Data were recorded for 26 DUS traits in accordance with the prescribed DUS test guidelines.

Final characterization of seven hybrids (KBSH-78, KBSH-85, COH-3, PSH-1962, NDSH-1012, LSFH-171, and RSFH-1887), five A-lines (CMS-1103A, CMS-903A, COSF-6A, NDCMS-30A, and CMS-67A), and five R-lines (RHA-92, GKVK-756, IR-6, R-893, and P-93R) was carried out in a replicated trial consisting of six rows of 6 m per replication. Data were recorded for 26 DUS traits in accordance with the DUS test guidelines.



Safflower

Final characterization of six reference varieties (Nari-57, Nari-96, Phule Kiran, Phule Gold, Phule Nira, and Phule Bhirava) was carried out in a replicated trial consisting of eight rows of 5 m per replication. Data were recorded for 21 DUS traits in accordance with the prescribed DUS test guidelines. Initial characterization of two new reference entries (ISF-300 and ISF-123 Sel-15) was also conducted in a replicated trial with eight rows of 5 m per replication, and data were recorded for 21 DUS traits as per the DUS test guidelines.



3.1.50. DUS TESTING CENTRE FOR LINSEED, LENTIL AND FIELD PEA

ICAR- Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh

FIELD PEA

During the Rabi season 2024–25, the JNKVV DUS Centre, operating under the PPV&FRA Central Sector Scheme for the Implementation of the PVP Legislation Project and working with three crops (linseed, lentil, and field pea). In this period four (04) linseed and two (02) field pea farmers' varieties were tested. These varieties were received from the Plant Varieties Registry, PPV&FRA, NASC, New Delhi, for conducting field-based Grow-Out Tests (GOT) as per the statutory requirements of the PPV&FR Act, 2001. No farmers' variety was received for the lentil crop during this period. In this year's testing results, the linseed farmer's varieties Desi Chikna and Tisi Local exhibited medium seed size, while Bhudev Tisi showed medium seed size but with low seed weight. Among the field pea varieties, the farmer's variety 180P165 (REG/2024/0055) demonstrated early maturity and large seed size, whereas NS1155 (REG/2020/164) showed medium maturity along with large seed size. The guidelines and instructions of the PPV&FR Authority were followed while conducting the GOT and also follow crop specific DUS test guidelines, as applicable. The confidentiality of the GOT results and field trials were maintained and only be shared with Plant Varieties Registry, PPV&FRA. All the precautions were taken to safeguard the interests of the PPV&FRA while conducting the tests and allow time to time inspection/monitoring by Central Sector Scheme for Implementation of PVP Legislation: JNKVV, Jabalpur 2024-25 PPV&FRA officials/Monitoring team/applicants, as and when advised by the PPV&FRA. The field germination report was submitted within 3 weeks of sowing. The harvested material is destroyed after the completion of the DUS test (Certificate enclosed).

Farmer's variety of field pea





180P165(REG/2024/0055)



NS1155(REG/2020/164)

LINSEED

A total of 21 linseed reference varieties and 5 other varieties were sown at JNKVV, Jabalpur during Rabi 2024–25 in five rows of 5 m length, with a row spacing of 30 cm, following the recommended package of practices as per the National Test Guidelines. Germination and plant population were found to be optimum, and environmental conditions were favorable for normal growth and trait expression throughout the cropping season. Among four farmers' varieties of linseed, three showed good germination with optimum plant population, while the variety Pawan Desi Chickna failed to germinate.



Farmer's variety of linseed

Chandra Shekhar Azad University of Agriculture and Technnology, Kanpur, Uttar Pradesh

A total of 53 reference varieties of linseed were sown, and data were recorded as per the prescribed DUS guidelines. Harvesting was carried out at maturity in three early, medium, and late phases. DUS trials for five first-year entries and twelve second year entries were conducted following all recommended agronomic practices. Observations were recorded on ten tagged plants per entry in three replications, and the data were submitted to the Authority. Most of the entries exhibited homogeneity with an optimum germination percentage.



3.1.51. DUS TESTING CENTRES FOR RAPESEED AND MUSTARAD

ICAR- Indian Institute of Rapeseed Mustard Research, Bharatpur

During 2024–25, a total of 28 candidate varieties/VCK/hybrids/farmers' varieties of Indian mustard and rapeseed were characterized using 24 DUS characters. Among these, five varieties (two new typical, two new hybrids, and one VCK hybrid) were characterized for the first year, while six new typical varieties were characterized for the second year. A total of 17 farmers' varieties were grown only for species identification, including one *Brassica carinata*, eight Indian mustard, three *B. rapa* var. yellow sarson, and four *B. rapa* var. toria during the first year. One variety, 'Pahadi Todia,' failed to germinate.

In addition, 13 rapeseed–mustard varieties were maintained through proper pollination techniques.



Chandra Shekhar Azad University of Agriculture and Technnology, Kanpur, Uttar Pradesh

Crops	New		VCK/RV	Total	Date of monitoring
	1st year entries	2nd year entries			NA
Indian Mustard	6 (Candidate varieties)	6 (Candidate Varieties)	13 (RV)	25	

The proposed DUS trial was sown on 20.11.2024 adopting all recommended agronomical practices time to time. The data were recorded on 10 tagged plants of each entry in three replications and send on timely to head center. Most of the entries were found homogeneous with optimum germination percentage.

Thirteen RV were undertaken the data have been recorded as per guidelines. Harvesting was done as on maturity on phases. Harvested seed has been stored in optimum conditions for further use.



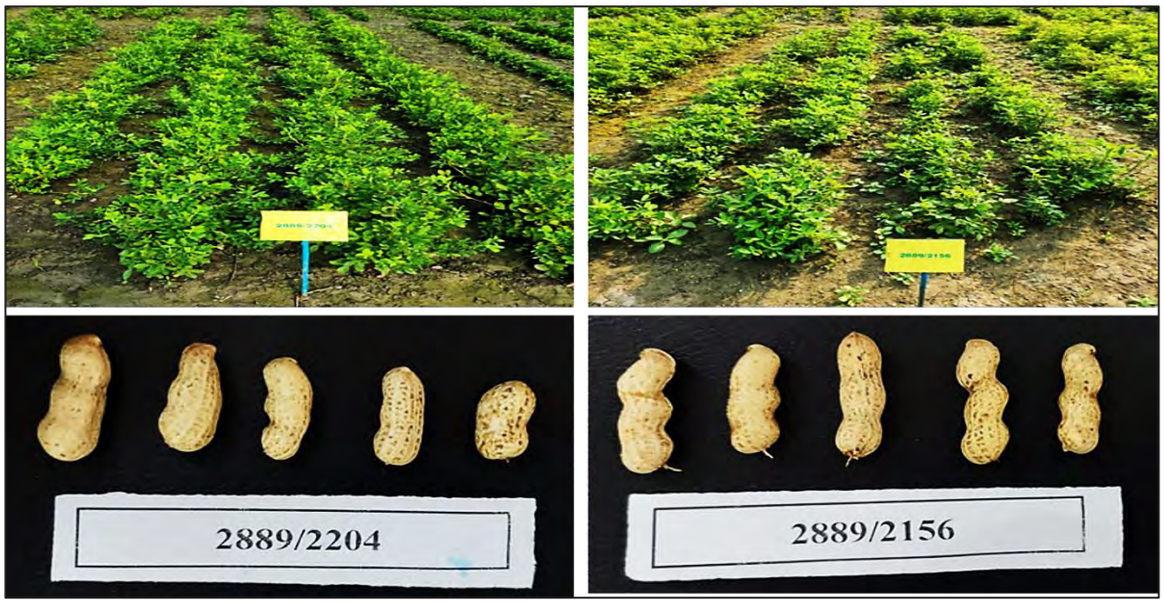


3.1.71. DUS TESTING CENTRE FOR GROUNDNUT

ICAR-Directorate of Groundnut Research, Junagadh, Gujarat

In 2024, two candidate varieties were formally entered into the 1st-year DUS testing by PPVFRA, New Delhi. The first season of evaluation was conducted during Kharif 2024, with the entries grown alongside sixteen reference varieties. Nineteen DUS characteristics were meticulously recorded at the appropriate crop growth stages, following the protocols and formats specified in the official PPVFRA DUS test guidelines. The 2nd year DUS testing is sch eduled for Kharif 2025.

The two candidate variety trials, received in 2024 from PPV & FRA, New Delhi, were subjected to 1st-year DUS testing during Kharif 2024, alongside sixteen reference varieties. All recommended agronomic practices were followed to ensure healthy crop growth, and observations were recorded at the appropriate growth stages according to the formats specified in the PPV & FRA DUS test guidelines.



DUS testing of candidate varieties of Groundnut

3.1.72. DUS TESTING CENTRES FOR TUBEROSE

TUBEROSE

ICAR- Directorate of Floricultural Research, Pune, Maharashtra



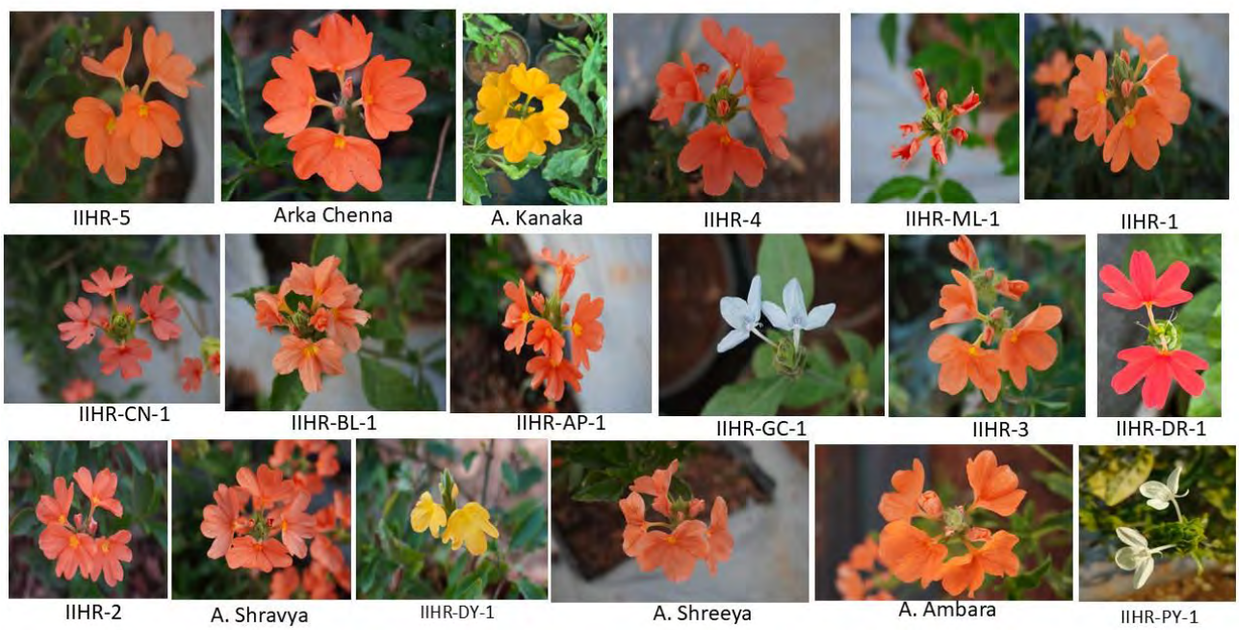
The Co-Nodal Centre (ICAR–Directorate of Floricultural Research, Pune) developed a novel tuberose variety, 'Sahyadri Vaman', which underwent DUS testing during 2024–25 alongside reference varieties. The variety has dark green leaves (RHS No. N137-A) and a straight, short inflorescence (50.86 cm) bearing 42–52 medium-sized hyacinth-type flowers. Buds are green (Yellow-Green 145 C, 5.31 cm), and flowers are single, wide open, with broad funnel-shaped corollas and acute tepal tips. This early-flowering, dwarf genotype (95–100 days) is ideal for pot culture, vase decoration, vertical panels, and landscaping. Additionally, a field gene bank maintains 35 tuberose varieties (21 single-flowered and 14 double-flowered), which are evaluated for morphological and flowering traits.

3.1.73. DUS TESTING CENTRE FOR CROSSANDRA

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

During the year 2024-2025 Centre has 15 Crossandra genotypes (reference or example varieties) were characterized for DUS traits for the following vegetative and flowering parameters viz., plant growth habit, plant height, Plant number of branches, stem thickness, stem hairiness, stem colour, leaf lamina margin, leaf venation, , Inflorescence rachis length, Inflorescence peduncle length, Inflorescence peduncle colour, Flower diameter, Flower petal margin, Flower arrangement, Number of flowers per inflorescence, Flower remain open at a time in inflorescence, Flower colour (RHS Chart) as per the DUS guidelines for the conduct of Test for Distinctiveness, Uniformity and Stability.

Reference collections of crossandra maintained in the field gene bank



3.1.74. DUS TESTING CENTRE FOR JACKFRUIT

University of Agricultural Sciences, Gandhi Krishi Vigyan Kendra, Bangalore

A total of 140 jackfruit genotypes with desirable quality traits, collected from different locations, were grafted and planted in the K-2 block of GKVK, Bengaluru. Several genotypes fruited early, and most are currently bearing fruits. Fruit characterization data for these genotypes have been documented, with detailed records for 25 selected genotypes. Onsite DUS testing of an important farmers' variety was also conducted.



Narasu Jackfruit (Candidate variety)



Swarna Jackfruit (Reference variety)



KKT-1 (Candidate variety)



Lalbagh Madhura (Reference variety)

3.1.75. DUS TESTING CENTRES FOR GREATER YAM AND YAM BEAN

ICAR- Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala

During the year, the Centre maintained 25 reference varieties and 10 released varieties, along with 400 germplasm accessions of greater yam (Dioscorea alata L.) and 10 reference varieties of yam bean in the National Field Gene Bank. DUS testing guidelines have been developed and published on the PPV&FRA website. For greater yam, 20 characteristics were selected for DUS evaluation in which five characters *viz.* petiole color, leaf shape, tuber shape, tuber cortex color, and tuber flesh color were identified as grouping traits.

As part of awareness and outreach initiatives, farmers were sensitized on the importance of variety registration with emphasis on the procedures and benefits of registering farmer developed varieties of greater yam and yam bean.



DUS trial on Greater yam

ICAR- Central Tuber Crops Research Institute, Regional Station, Bhubaneswar, Odisha

The field gene bank, maintained under the DUS programme, contains 14 greater yam accessions, including seven reference lines and seven lines collected from Andaman, Port Blair, through the Plant Genome Saviour Community Award. Unique characteristics of each reference line have been identified and documented for 15 traits in greater yam and 17 traits in yam bean.

For greater yam, traits such as stem color, petiole color, pigmentation, tuber shape and color, and tuber flesh color are used to update DUS information. For yam bean, traits including stem color, flower density, sepal color, pod length, seed color and shape, and tuber shape are recorded to update the DUS data.



Seven greater yam line maintained in the gene bank at Regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha



Some reference lines of Yam bean varieties maintained in Regional Centre ICAR-CTCRI, Bhubaneswar.

3.1.76. DUS TESTING CENTRE FOR TEAK AND MELIA

Institute of Forest Genetics and Tree Breeding, Coimbatore

Characterization of Melia dubia was conducted for reference clones planted at Pannampalli Research Station and Anaikatti in Kerala. Each germplasm consisted of 20 reference clones, with eight ramets per clone. DUS testing was carried out according to the notified guidelines through visual assessment of a group of plants or plant parts (VG) and single measurements of a group of plants or plant parts (MG). The traits evaluated included stem scar shape, scar length and width, bark color, leaf waxiness, stem lenticel appearance, pattern, density, shape and size, bark peeling and peeled surface, rachis attitude, number of leaflets per rachis, leaflet shape, margin, base, apex, lamina length and breadth, anthocyanin presence, petiolule length, branch altitude, stem straightness, clear bole height (without treatment), branch thickness, and crown shape. Quantitative traits were analyzed using ImageJ software (version 1.53t) after calibration. Maintenance of existing germplasm at Pannampalli Research Station, Anaikatti, Thalamalai, and the Melia clonal bank at the IFGTB campus was carried out through regular weeding, casualty replacement, and irrigation.



Trial plot at Anakatty, Kerala



Trial plot at Pannampalli, Kerala

DUS testing in teak was conducted to evaluate juvenile traits in two ICFRE-IFGTB clones planted at Nettapakkam and Tindivanam, Pondicherry. Assessments were carried out in accordance with the prescribed DUS guidelines, and all quantitative and qualitative traits were recorded and analyzed using the VG and MG methods.

3.1.77. DUS TESTING CENTRES FOR COWPEA

University of Agricultural Sciences, Dharwad, Karnataka

DUS characterization and the maintenance breeding in diverse cowpea (*Vigna unguiculata*) reference varieties encompassing 71 distinct cowpea references, comprising 50 grain-type, 4 vegetable-type, and 17 fodder-type varieties was taken up. A comparative assessment of morphological DUS descriptors was conducted across the 71 cowpea reference collections, facilitating precise varietal distinction and genetic resource management.



3.1.78. DUS TESTING CENTRES FOR FABA BEAN

Punjab Agricultural University, Ludhiana:

faba bean *(Vicia faba* L. var. *major* Harz)

A new center for DUS testing of faba bean started during 2022-23. Seed of 9 reference varieties and seven released varieties was procured from ICAR-NBPGR, New Delhi. Data were recorded for 26 traits as per DUS testing guidelines in all the 16 varieties.



3.1.79. DUS TESTING CENTRES FOR BUCKWHEAT AND GRAIN AMARANTH

ICAR-NBPGR, RS, Phagli, Shimla, Himachal Pradesh

BUCKWHEAT

Total twenty-two buckwheat reference varieties, comprising of *F. tataricum* (14) and *F. esculentum* (08) were grown in Randomized Block Design replicated thrice in the Experimental Farm of ICAR-NBPGR, Regional Station, Shimla. The observations were recorded using DUS characteristics including post harvest traits.

GRAIN AMARANTH

Total thirty six grain amaranth reference varieties, comprising of *A. hypocondricus* (31), *A. caudatus* (2), *A. edulis* (2) and *A. cruentus* (1) were evaluated in Randomized Block Design replicated thrice in the Tutikandi Experimental Farm of ICAR-IARI, Regional Station, Shimla. The observations were recorded using DUS characteristics including post harvest traits (annexure-I).

3.1.80. DUS TESTING CENTRES FOR BUCKWHEAT

CSK HPKV, MAREC Sangla, Kinnaur, Himachal Pradesh

Twenty-two reference varieties of Buckwheat (*F. tataricum* and *F. esculantum*) were sown under maintenance program in replicated trials at CSK HPKV, Mountain Agriculture Research and Extension Centre Sangla, Kinnaur following all the recommended package of practices during the month of June 2024 (DOS 18.06.2024). Data for different traits such as seedling traits, leaf traits, plant growth traits,

flower traits, yield traits, seed traits etc. was recorded according to DUS Guidelines and presented in the coded form.

Three training programmes were organized to train the farmers about the importance, biodiversity, seed production & maintenance and value added products of Potential crop i.e. Buckwheat in tribal area under TSP programme of AICRN on Potential Crops. Farmers were also motivated for the conservation and registration of traditional crops including buckwheat with PPV&FRA. More than two hundred farmers were presented from the surrounding areas.

Training Programme = Three

19 November, 2024- Village Tranda, Nichar Block, Distt Kinnaur (HP)
20 November, 2024- Village Chagon, Nichar Block, Distt Kinnaur (HP)
21 November, 2024- Village Sapni, Kalpa Block, Distt Kinnaur (HP)

3.1.81. DUS TESTING CENTRE FOR COFFEE

Central Coffee Research Institute, Chikmagalur, Karnataka

During 2024–25, the DUS Centre for Coffee at CCRI focused on popularizing farmers' and candidate varieties among growers in Karnataka, Kerala, and Tamil Nadu. A total of 16 Arabica varieties *viz*., S.288 (Sln.1), S.795 (Sln.3), Agaro (Sln.4), Cioccie (Sln.4), Tafarikela (Sln.4), Sln.5A, Sln.5B, Sln.6, Sln.8, Sln.9, Sln.11, Sln.7.3, Sln.10, Sln.12 (Cauvery), Sln.13 (Chandragiri), and S.4595 and four Robusta varieties Sln.1R, Sln.2R, Sln.3R (CxR), and Dwarf Robusta were maintained at CCRI. Additionally, two new genotypes in the pipeline for commercial release were also maintained. One application for DUS testing of the candidate variety ERC-1 (Coffea canephora) was received from Sri Ramesh Agalagandi through PPVFRA and onsite DUS testing for ERC-1 was initiated. During the routine transfer of technology sessions conducted in April–May 2024, the DUS Centre educated growers on the importance of DUS testing for farmers' varieties.



3.1.82. DUS TESTING CENTRE FOR FCV (FLUE CURED VIRGINIA) AND BIDI TOBACCO

Central Tobacco Research Institute, Rajahmundry, Andhra Pradesh

A total of 35 FCV varieties (16/103, Bhavya, CH-1, CH-3, Chatam, CM-12, CTRI Spl, CTRI Spl (MR), CTRI Sulakshana, Delcrest, Dhanadayi, FCV Special, Gauthami, Godavari Spl, Hema, Jayalakshmi, Jayasri (MR), Jayasri, Kanakaprabha, Kanchan, McNair-12, N-98, Rathna, Siri, Swarna, VT-1158, Thrupthi, Kanthi, Hemadri, Sahyadri, FCH-222, Mamooth Gold, FCJ-11, FCR-15, and LT-Kanchan) were maintained and characterized. In addition, 16 bidi varieties (A-119, A-145, A-2, ABD-19, ABD-54, ABT-10, Bhagyasree, GABT-11, GT-4, GT-5, GT-6, GT-7, GT-8, GT-9, GTH-1, and NPN-190) were also maintained.



Photographs of some of the varieties being maintained

3.1.83. DUS TESTING CENTRE FOR RADISH AND CARROT

ICAR-Institute of Agricultural Research Institute, New Delhi

During rabi season 2024-25, fourteen reference varieties of carrot and 16 reference varieties of radish were under maintenance. In radish, root crop of reference varieties was sown during October and selected roots were replanted for maintenance in December. In carrot, root crop was of reference varieties were sown during early October and selected roots were replanted during mid January 2025 for maintenance breeding. Data of DUS traits were recorded in the reference varieties.

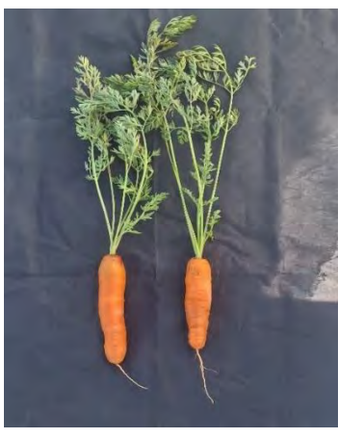
ICAR-Institute of Agricultural Research Institute, RS, Katrain, Kullu, HP

During the year 2024–25, 19 reference varieties of carrot and 13 reference varieties of radish were characterized, purified and maintained. Comprehensive data were recorded in accordance with the DUS test guidelines for all the maintained carrot and radish varieties under the DUS project. However, no candidate variety was received both for radish and carrot for DUS testing.



KSP-135

Reference varieties of Carrot



Pusa Nayanjyoti (C-line)



Solan Shresth

Reference varieties of Radish



Pusa Gulabi



White Icicle





Pusa Nayanjyoti (C-line)



Solan Shresth



KSP-135

Reference varieties of Carrot

3.1.84. DUS TESTING CENTRE FOR DOLICHOS BEAN

ICAR-Indian Institute of Horticultural Research, Hessarghatta Lake Post, Bengaluru, Karnataka

A trial of 9 Candidate varieties was laid out to record DUS characteristics. Thirteen varieties of Dolichos along with reference varieties were maintained in the field. Breeder seed production of above varieties was undertaken and at present around 10kgs of breeder seeds are maintained in each of all the varieties.

3.1.85. DUS TESTING CENTRE FOR ASH GOURD, SNAKE GOURD & IVY GOURD

ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh

During the year 01 Ash gourd (FV) was evaluated for DUS characters. Additionally, a total of 17 reference varieties including 7 ash gourd, 5 ivy gourd and 5 snake gourd were also evaluated for DUS characters.

3.1.86. DUS TESTING CENTRE FOR SAFFRON

Saffron Research Station, SKUAST-K, Pampore, Jammu & Kashmir

A total of 63 saffron (*Crocus sativus* L.) varieties are being maintained at ARSS & TSS, Pampore, SKUAST-K. During 2024–25, nine new ecotypes were collected from saffron-growing areas of Kishtwar district, Jammu, and additional accessions were received from the Department of Management and Conservation of Plant Genetic Resources, Center of Agroforestry Research, Albaladejito, Toledo-Cuenca, Spain, through a Standard Material Transfer Agreement. All these new entries are currently under evaluation at the DUS Centre. In line with the objectives of the DUS Testing Centre for saffron, three awareness-cum-training programs were organized to facilitate the registration of farmers' saffron varieties, with the first two programs conducted in 2024 and the third in 2025.





3.1.87. DUS TESTING CENTRE FOR KALAZEERA

Saffron Research Station, SKUAST-K, Pampore, Jammu & Kashmir

A total of 46 reference varieties and one example variety of Kalazeera (*Bunium persicum*) are currently being conserved and maintained at the Centre to support ongoing programs in genetic resource management, characterization, and breeding. These accessions serve as a vital foundation for trait identification, comparative evaluation, and future varietal development initiatives. During 2024–25, eleven additional seed-propagated germplasm lines were collected from major Kalazeera growing regions of Himachal Pradesh and incorporated into the existing repository. These additions complemented the 38 germplasm lines comprising 17 seed-propagated and 21 tuber propagated accessions were collected during 2023–24 from diverse altitudinal zones of Jammu and Kashmir. All accessions are currently undergoing detailed morphological evaluation at the Advanced Research Station for Saffron and Temperate Seed Spices, SKUAST-Kashmir. The seed-propagated lines exhibited substantial variability in traits such as crop duration, seedling pigmentation, and plant height, indicating a broad genetic base. Similarly, the tuber-propagated varieties displayed variation in leaf color and shape, flower color, branching pattern, and growth habit. Notably, a distinct bush-type genotype characterized by more than seven primary branches per plant was identified. This trait demonstrated stability across two consecutive growing seasons, suggesting its potential utility in breeding programs aimed at improving plant architecture and yield potential.



3.1.88. DUS TESTING CENTRE FOR KOKUM

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Ratanagiri, Maharashtra

Total 47 types of example varieties are planted and maintained at DUS centre, Mulde. Centre conducted Survey and collection of farmer's varieties and their registration. Application for three farmer's varieties from Diveagar was submitted for the registration to PPVFRA, New Delhi. Centre started documentation, indexing and cataloguing of farmer's varieties.



Example Variety and Farmer's Varieties (Grafts)



Awareness programme about DUS Centre on Kokum at Mulde

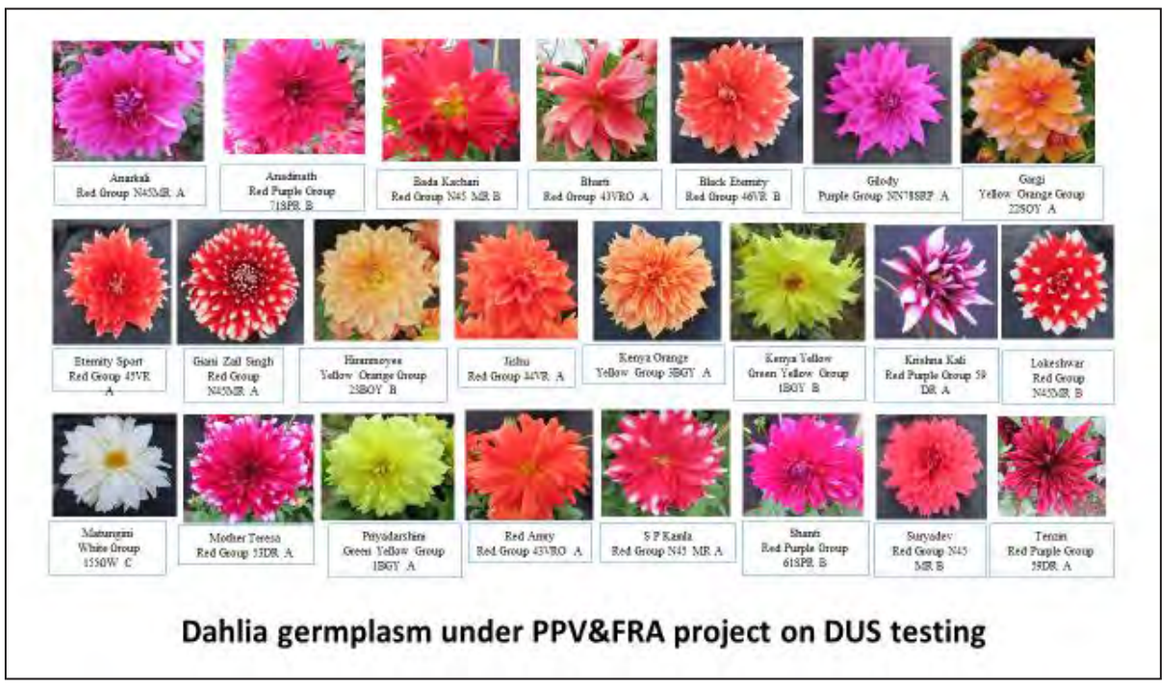
3.1.89. DUS TESTING CENTRE FOR DAHLIA

RHRTS, Dhaulakuan ,Dr YS PU Nauni Solan (HP)

A total of 32 Dahlia (*Dahlia variabilis* L.) varieties are conserved and maintained as reference varieties at the Centre. Morphological characterization of these varieties was conducted following the DUS Test Guidelines.



Flower Head Type



3.1.90. DUS TESTING CENTRE FOR ROSE

ICAR-IIHR, Bangalore

The Centre maintains a total of 153 Reference and Example varieties. It has conducted DUS testing for seven rose varieties for which certificates have been issued by the Authority. The Institute has developed and released 12 rose varieties, of which two have been protected under the PPV&FR Act, 2001. Additionally, the DUS Centre has established a polyhouse for the maintenance of reference varieties.



3.1.91. DUS TESTING CENTRE FOR MARIGOLD

ICAR-IARI, New Delhi

During the year 2024–25, a total of 69 genotypes of marigold (including 21 reference varieties/lines) were maintained in the germplasm block. These varieties/lines were propagated through seeds or cuttings in the nursery and subsequently transplanted into the main field. The sexually propagated reference varieties/lines were subjected to selfing after the removal of undesired plants (rouging) to maintain the genetic purity of the genotypes.

In addition, new candidate varieties ARKA BHANU, IIHRMY 1-4, ARKA ABHI and IIHRMY 2-1 were also grown along with the reference varieties for DUS testing. The experimental evaluation of DUS testing for these four candidate varieties was completed during the year.



DUS Monitoring of Candidate Varieties of Marigold by Task Force on 05.12.2024

3.2 GENE BANKS OF PPV&FRA

As per Section 27, of PPV&FR Act, 2001, a breeder has to deposit seeds and propagating material inclduign parental line seeds of registered variety in the National Gene Bank, as may be specified in the regulations for reproduction purpose.

The National Gene Bank of PPV&FRA was established at ICAR-NBPGR Old Campus for medium term storage of orthodox or true seeds (e.g. rice, wheat, maize, sorghum, tomato, rapeseed-mustard, jute etc) of candidate varieties for plant variety registration purpose at PPV&FRA.

However, for fruit trees (like coconut, mango and citrus), plantation species (like eucalyptus and poplar), spices (black peppers, ginger and turmeric), commercial species, like rubber, that either produces recalcitrant (seed normally do not withstand desiccation or low temperature storage and are not easy to store under conventional storage conditions) seeds having long regeneration cycles or sexually sterile, no seeds at all or species that are normally clonally propagated (sugarcane and potato), planting matrial of these species are conserved at Field Gene Bank under *ex situ* conditions. Since the diversity of the genetic resources is abundant near the places of primary of secondary centres of origin or domestication, the species concerned are also adapted to the local agro-climatic conditions (like soil, water, temperature etc0, field gene bank are also strategically established in these areas.

The Field Gene Banks facility will also be used as a repository of the varieties released (referral collection) from different geographical contexts having sub species/ intra varietal variability and conserved at one place. Field Gene Bank will also maintain specimen plants of the varieties registered under the *PPVFR* Act, 2001. Documentation regarding source, parentage, morphological/ sexual/ value for cultivation characteristics, digitalization and database management will help in resolving techno-legal issues and dispute settlement.

3.2.1 NATIONAL GENE BANK, NBPGR OLD CAMPUS, NEW DELHI

3.2.1.1 Maintenance Activities in PPV&FRA Gene bank

The operation of the medium-term facility is being regularly monitored under this project by technical experts from NBPGR, along with the project-employed electrician. The cold store temperature is maintained at +4°C, with the relative humidity set to 35%. The electrician records the temperature and humidity levels of the Medium-Term Storage (MTS) module and the DUS test repository daily. Any major issues identified are promptly reported to the NBPGR technical personnel and addressed accordingly. During the reporting period, servicing and repairs of the DG set and air conditioners were carried out to ensure the uninterrupted and efficient functioning of the PPV&FRA Gene Bank. Daily monitoring of refrigeration parameters and maintenance of all facilities were undertaken to support the continuous operation of the genebank.

3.2.1.2 Registered varieties monitored for germination and moisture test:

Seed samples of 563 registered varieties stored in the Gene-bank (MTS) of PPV&FRA were tested for germination and moisture after 5 years of their storage for cereals, legumes and vegetable seeds and 3 years of the storage for oil seeds. Germination was conducted using Top of Paper method for small seeded species and using Between Paper method for large seeded species. The temperature conditions and data recording were conducted as per ISTA recommendation. Moisture testing was conducted using High/Low Temperature Oven Method as recommended by ISTA for each crop.

Experiments were repeated wherever extremely low germination or high moisture were observed. Data was recorded for all individual samples and a summary table on data range for both germination and moisture is given below.

Crop	No. of samples	Germination range (%)	Moisture range (%)		Crop	No. of samples	Germination range (%)	Moisture range (%)
Barley	2	100	10.06		Linseed	2	96-100	7.62 – 9.31
Bottle gourd	1	40	8.14		Maize	26	0 - 100	9.83 – 14.94
Brinjal	51	0 - 100	5.03 – 10.40		Okra	5	0 - 84	10.05 – 12.70
Cabbage	2	0 - 28	6.59 – 8.08		Onion	2	0 - 92	9.28 - 9.49
Castor	1	12	7.84		Pearl Millet	6	Apr-92	8.93 – 11.60
Cauliflower	11	0 - 100	6.50 – 7.91		Pigeon pea	10	4 - 100	7.40 – 14.84
Chilli	2	Aug-80	7.77 – 7.95		Rapeseed	3	88 - 100	8.38 – 8.72
Coriander	1	44	10.6		Rice	179	0 - 100	7.53 -14.60
Diploid cotton	7	0 - 84	8.91 – 13.10		Soybean	9	0 - 100	9.30 – 15.76
Durum wheat	1	100	8.4		Sorghum	3	88 - 100	10.61 – 12.31
Field pea	1	84	11.31		Sunflower	12	0 - 96	7.36 – 11.64
Finger Millet	2	88 - 100	11.34 – 11.94		Tetraploid Cotton	175	0 - 100	7.13 – 14.54
Green gram	1	92	8.8		Tomato	20	0 - 92	6.21 – 12.25
Groundnut	4	0 - 28	6.13 – 8.43		Wheat	14	0 - 100	8.31 – 13.90
Indian Mustard	10	0 - 100	7.00 – 10.53					

The undesirable loss in germination observed in many crops should be considered as a point that necessitates intervention. 0% germination indicates loss of the entire resource. It is also highlighting the requirement of sample processing, especially drying. Our data on individual samples reveal that packing of samples (especially in short-lived species) in moisture impervious aluminium pouches, at high seed moisture content, is leading to absolute or significant loss of viability. There is a need to revisit the sample handling strategy, prior to conserving in MTS.

3.2.1.3 Medium term storage condition & DUS Repository (as on 31st March, 2024)

Sl. No.	Crops	DUS Test Repository (STS)					Medium Term Storage (MTS)					GRAND TOTAL
		(Candidate varieties for DUS test kept at 22°C)					(4°C)					
		SEED RECEIVED A					CERTIFICATE ISSUED B					
		New	VCK + EDV	Farmer	Extant Notified	Total	New	VCK + EDV	Farmer	Extant Notified	Total	(A+B)
1	Ash Gourd			1		**1**	-	-	-	-	**-**	**1**
2	Ashwagandha		1	1		**2**						**2**
3	Asparagus bean	1				**1**						**1**
4	Barley	14	5	55	9	**83**	1	1	27	19	**48**	**131**
5	Barnyard Millet	1		55	2	**58**			7	1	**8**	**66**
6	Bitter Gourd	32	29	17		**78**		15	6	1	**22**	**100**
7	Black Gram	6	2	131	24	**163**	2		53	38	**93**	**256**
8	Bottle Gourd	13	18	59		**90**		7	10	4	**21**	**111**
9	Bread Wheat	64	12	113	31	**220**	39	10	102	173	**324**	**544**
10	Brinjal	122	94	100	4	**320**	49	108	38	15	**210**	**530**
11	Buckwheat			2		**2**						**2**
12	Cabbage	18	2	1		**21**	7	1	1	1	**10**	**31**
13	Carrot		1	1		**2**						**2**
14	Castor	9	2	9	1	**21**	4	3	2	5	**14**	**35**
15	Carom			3		**3**						**3**
16	Cauliflower	47	12	13	1	**73**	17	9	4	3	**33**	**106**
17	Chickpea	5		89	29	**123**	2		51	64	**117**	**240**
18	Chilli	154	161	25	8	**348**			12	9	**21**	**369**
19	Cluster Bean			3	1	**4**				1	**1**	**5**
20	Coriander	1	1	34	1	**37**			27	2	**29**	**66**
21	Cowpea		2	10	5	**17**				4	**4**	**21**
22	Cumin			1		**1**						**1**
23	Cucumber	13	25	40		**78**		4	5	2	**11**	**89**
24	Dolichos Bean			10		**10**						**10**
25	Fennel			2		**2**						**2**
26	Durum Wheat	2		4	5	**11**	4		4	28	**36**	**47**
27	Dicoccum Wheat	8				**8**				5	**5**	**13**
28	Diploid Cotton	5	3	2	4	**14**	13	9		37	**59**	**73**
29	Drumstick			1		**1**						**1**
30	Faba Bean			3	1	**4**				1	**1**	**5**
31	Fenugreek		1	18		**19**			10	1	**11**	**30**
32	Finger Millet	3		145	9	**157**			19	11	**30**	**187**
33	Foxtail Millet	2		50	2	**54**			6	2	**8**	**62**

34	Grain Amarathus	1		24	3	**28**						**28**
35	Garden Pea	2			2	**4**				2	**2**	**6**
36	French Bean			4		**4**						**4**
37	Green Gram	8	4	62	22	**96**		1	17	40	**58**	**154**
38	Groundnut	9	1	21	2	**33**	1	1	14	39	**55**	**88**
39	Horse gram			16		**16**						**16**
40	Isabgol	1				**1**						**1**
41	Isharmul			1		**1**						**1**
42	Jute	17	2	4	2	**25**	12	1		14	**27**	**52**
43	Jakhiya (Wild mustard)			2		**2**						**2**
44	Kaali jeeri			3		**3**						**3**
45	Kidney Bean		2	52	2	**56**		4	13	9	**26**	**82**
46	Kodo Millet			115		**115**			49		**49**	**164**
47	Lathyrus (Keshari dal)			2		**2**						**2**
48	Lentil			69	9	**78**			32	16	**48**	**126**
49	Linseed			64	3	**67**			49	7	**56**	**123**
50	Little Millet	2		98	1	**101**			59	3	**62**	**163**
51	Maize	433	73	406	87	**999**	256	124	44	122	**546**	**1545**
52	Marigold	7		5	5	**17**						**17**
53	Muskmelon	18	4	1		**23**	2		1	2	**5**	**28**
54	Mustard	37	9	74	7	**127**	6	16	51	57	**130**	**257**
55	Niger			1		**1**						**1**
56	Okra	103	45	28	3	**179**	20	28	13	17	**78**	**257**
57	Onion	4	13	10	2	**29**	2	1	1	11	**15**	**44**
58	Oriental Pickling Melon			1		**1**						**1**
59	Pea	7	3	100	13	**123**			51	38	**89**	**212**
60	Pearl Millet	180	282	32	31	**525**	95	43	8	58	**204**	**729**
61	Pigeon Pea	14	4	186	28	**232**	17	2	158	33	**210**	**442**
62	Pumpkin		4	31		**35**			9	3	**12**	**47**
63	Rapeseed			25	1	**26**			34	13	**47**	**73**
64	Rice	523	75 + 4	2898	187	**3687**	232	71	3296	307	**3906**	**7593**
65	Rice bean			2	1	**3**						**3**
66	Perilla seeds			6		**6**						**6**
67	Pointed Gourd			1		**1**						**1**
68	Proso Millet	1		3		**4**						**4**
69	Raddish		2			**2**						**2**
70	Ridge Gourd	9	3	22		**34**		2	5	2	**9**	**43**
71	Safflower	5	1	1	3	**10**		1		9	**10**	**20**
72	Sesame	1		79	5	**85**			19	10	**29**	**114**
73	Snap Melon			12		**12**						**12**

74	Sorghum	67	18	84	25	**194**	76	39	59	59	**233**	**427**
75	Soybean	18	4	33	12	**67**	5	1	18	36	**60**	**127**
76	Sunflower	72	7		3	**82**	44	21		13	**78**	**160**
77	Sava Millet			2		**2**						**2**
78	Spiny Gourd			1		**1**						**1**
79	Sponge Gourd		1	1	1	**3**						**3**
80	Tetraploid Cotton	395	170 + 119	2	41	**727**	261	310 + 14	1	91	**677**	**1404**
81	Tomato	163	97 + 3	22	11	**296**	49	60	17	17	**143**	**439**
82	Vegetable Amaranth									1	**1**	**1**
83	Velvet Bean			2		**2**						**2**
84	Watermelon	8	19			**27**		5			**5**	**32**
Total		**2625**	**1340**	**5606**	**649**	**10220**	**1216**	**912**	**4402**	**1456**	**7986**	**18206**

3.2.2 Seed Requirements

S. No	Crop	Date of Notification	Seed Requirement Candidate /Parental line Hybrid (each) in gm unless otherwise mentioned		Germination %	Moisture %	Physical Purity %	Tentative Season – Months for seed submission for DUS testing	Prescribed size of seed packets (mm)
1	Rice (*Oryza sativa* L.)	01/11/2006	3000	1500	80	11-12	98	*Kharif* – March-Apr	230x 300
2	Bread Wheat (*Triticum aestivum* L.)		3000	1500	95	8-9	98	*Rabi*-Aug	230x 300
3	Maize (*Zea mays* L.)		3000	1500	80(inbred/ SCH) 90(var/DCH)	8-10	98	*Kharif*- Mar-Apr Rabi- Aug	230x 300
4	Sorghum (*Sorghum bicolor* (L.) Moench)		2000	1000	80	10	98	*Kharif*- March Rabi-Aug	230x 300
5	Pearl Millet (*Pennisetum glaucum* (L.) R.Br.)		600	300	80(inbred/ SCH) 90(var/DCH)	10	98	*Kharif*- March	165x 220
6	Chickpea (*Cicer arietinum* L.)		2000 (desi) 3000 (kabuli)	NA	95	8-9	98	*Rabi*-Aug	230x 300
7	Green Gram (*Vigna radiate* (L.) Wilczek)		1000	NA	95	8-9	98	*Kharif* - March	230x 300
8	Black Gram (*Vigna*		1000	NA	95	8-9	98	*Kharif*-	165x

	mungo (L.) Hepper)							March	220
9	Field Pea (*Pisum sativum* L.)		2000	NA	85	8-9	98	*Rabi*-Aug	230x 300
10	Kidney Bean (*Phaseolus vulgaris* L.)		3000	NA	85	8-9	98	June-July	230x 300
11	Lentil (*Lens culinaris* Medik)		1000	NA	85	8-9	98	*Rabi*-Aug	230x 300
12	Pigonpea (*Cajanus cajan* (L.) Millsp.)		2000	1500	95	8-9	98	*Kharif*-Mar	230x 300
13	Cotton (*Gossypium hirsutum* L.)	31/12/2007	2000	1000	75	10	98	*Kharif*- North- Feb Peninsular - South- May-June	230x 300
14	Cotton (*G. barbadense* L.)		2000	1000	75	10	98		
15	Cotton (*G. arboreum* L.)		1500	750	75	10	98		
16	Cotton (*G. herbaceum* L.)		1500	750	75	10	98		
17	Jute (*Corchorus capsularis* L.)		1000	500	85	9	97	Pre-*Kharif*- early Jan	165x 220
18	Jute (*Corchorus olitorius* L.)		1000	500	85	9	97	Pre-*Kharif*- early Jan	
19	Sugarcane (*Saccharum* L.)	27/07/2009	400 single bud sett						
20	Ginger (*Zingiber officinale* Rosc.)		5000 g (clean and whole sum rhizome of 25-30 g each of 150 pieces)						
21	Turmeric (*Curumma longa* L.)		6 kg (clean and whole sum fresh rhizome with 35-40% moisture content)						
22	Indian Mustard (*Brassica juncea* L. Czern & Coss)	30/04/2010	500	250	85	8	98	Jun-Jul	165x 100
23	Karan rai (Brassica carinata A Braun)		500	250	85	8	98	Jun-Jul	165x 100
24	Rapeseed-Mustard (*Brassica rapa* L.)		500	250	85	8	98	June-Jul	165x 100
25	Gobhi sarson (*Brassica napus* L.)		500	250	85	8	98	Jun-Jul	165x 100
26	Groundnut (*Arachis hypogaea* L.)		3000 (Spanish & Valencia) 8000(kernel) for Virginia bunch and runner type	1500 4000	80	9	98	*Kharif*: May-June Rabi:Aug-Sep	300x 450
27	Soybean (*Glycine max* (L.) Merrill)		3000	NA	70	9	98	Apr-May	230x 300
28	Sunflower (*Helianthus annuus* L.)		3000	2000	70	9	98	July-Aug	230x 300

29	Safflower (*Carthamus tinctorius* L.)		3000	1500	80	9	98	June-July	230x 300
30	Castor (*Ricinus communis* L.)		6000	2500	70	10	98	April-May	300x 450
31	Sesamum (*Sesamum indicum* L.)		500	250	80	9	97	April -May	165x 100
32	Linseed (*Linum usitatissimum* L.)		500	250	85	9	98	May-June	165x 100
33	Black pepper (*Piper nigrum* L.)		40 no of rooted cuttings						
34	Small cardamom (*Elettaria cardamomom* Maton)		50 Suckers						
35	Tomato (*Lycopersion lycopersicum* (L.) Karsten ex. Farw.)	02/12/2010	15(open field) 8 (Greenhouse)	same	85	8	98	April- May	165x 100
36	Brinjal (*Solanum melongena* L.)		15 (open)	15 (open)	85	8	98	April- May	165x 100
37	Okra (*Abelmoschus esculentus* (L.) Moench.)		New: 300 VK&FV: 150 ENV : 60		65	10	99	May-June	230 x 300
38	Cauliflower (*Brassica oleracea* L.var. botrytis)		15	15	As per certified seed in India.			April- May	165x 100
39	Cabbage (*Brassica oleracea* L. var capitata)		15	15	-do-			April- May	165x 100
40	Potato (*Solanum tuberosum* L.)		300 Fully matured tubers (Tuber size should be 3.5-5.0 cm)						
41	Onion (*Allium cepa* L.)		hybrids and parental lines: 100 grams, vegetatively propagated varieties (multiplier onion): 1200 bulblets, male sterile lines : 50 bulbs	NA	70	As per certified seed standard		As per respective sowing seasons	
42	Garlic (*Allium sativum* L.)		2000 viable clove	NA	The planting material shall meet the minimum requirements for sprouting capacity, moisture content and physical purity for marketing planting material in India, and			Aug-Sep	-

					shall meet the minimum seed standards prescribed for certified seed in India.				
43	Rose (*Rosa spp.*(other than *R.damascena*)		9 grafted/budded plants 9 plants in 12 inch or 30 cm pots size						
44	Chrysanthemum (*Chrysanthemum spp.)*		100 two node terminal rooted cutting taken from mother plant						
45	Mango (*Mangifera indica* L.)		9 rooted grafts for each location						
46	Duram wheat (*Triticum durum* Desf.)		3000	1500	95	8-9	98	Same as wheat	230x 300
47	Dicoccum wheat (*Triticum dicoccum* L.)/ Other *Triticum sp*		3000	1500	95	8-9	98	Same as wheat	230x 300
48	Isabgol (*Plantago ovata* Forsk)		250	NA	95	8-9	98	Rabi: Nov-Dec	230 x 300
49	Menthol mint (*Mentha arvensis* L.)	18/08/2011	5 Kg suckers (10-15 cm long)						
50	Damask Rose (*Rosa damascena* Mill)		100 Cutting						
51	Periwinkle (*Catharanthus roseus* L.)		10 gm	NA	85	8	98	Kharif : June-July	230 x 300
52	Brahmi (*Bacopa monnieri* L. Pennell)		500 Cutting (clean and wholesome vegetative parts 10-15 cm long)						
53	Coconut (*Cocos nucifera* L.)		30 number of one year old seedlings raised in polybag containing standard potting mixture						
54	Orchids (*Cymbidium Sw.*)	27/03/2012	20 plants (10 for each centre) with at least two pseudo-bulbs and one back-bulb. Age 3-4 years						
55	Orchids (*Dendrobium Sw.*)		20 plants (10 for each Centre) with at least two shoots. Age 2-3 years						
56	Orchids (*Vanda jones* ex R. Br.)		20 plants, Age 2-3 year						
57	Pomegranate (*Punica granatum* L.)	15/04/2014	10 propagules, one year old propagated through air layering or rooted stem cutting (multiplied from the same tree) or tissue culture raised plants for each location.						
58	Orchid (*Cattleya Lindl.*)		20 plants two or three year old with at least two shoot						
59	Orchid (*Phalaenopsis Blume*)		20 flowering size plants						
60	Casurina (*Casurina equisetifolia* L.)		50 rooted cutting (at least three month old), measuring minimum 20 cm from collar to apical tip with a well developed root system						

61	Casurina (*Casurina junghuhniana* Miq.)								
62	Bitter gourd (*Momordica charantia* L.)		300 gm or 1500 no	NA	80	8	98	Dec-Jan	230x 300
63	Bottle gourd (*Lagenaria siceraria* (Mol.) Standl.)		250 gm or 1500 no	NA	80	8	98		230x 300
64	Cucumber (*Cucumis sativus* L.)		50 gm or 1500 no	NA	80	8	98		230x 300
65	Pumpkin (*Cucurbita moschata* Duch. ex Poir.)		200 gm or 1500 no	NA	80	8	98		230x 300
66	Barley (*Hordeum vulgare* L.)		1500	1000	95	8	98	Aug-Sep	230x 300
67	Coriander (*Coriandrum sativum* L.)		250	NA	80	8-9	98	Jul-Aug	165x 100
68	Fenugreek (*Trigonella foenum graecum* L.)		250	NA	80	8-9	98	Jul-Aug	165x1 00
69	Almond (*Prunus dulcis* (Mill.) D.A. Webb)		10 grafted or budded plants						
70	Apple (*Malus domestica* Borkh)		6 grafted or budded plants						
71	Pear (*Pyrus communis* L.)		6 grafted or budded plants						
72	Apricot (*Prunus armeniaca* L.)		10 grafted or budded plants						
73	Cherry (*Prunus avium* L.)		10 grafted or budded plants						
74	Walnut (*Juglans regia* L.)		10 grafted or budded plants						
75	Grapes (*Vitis spp.*)		12 grafted plants(one yr old) for each location						
76	Indian jujube (Ber) (*Ziziphus mauritiana*Lamk.)		7 plants for each DUS centre(minimum age 3 months)						
77	Eucalyptus (*Eucalyptus camaldulensis* Dehnh.)		60 rooted plant (plant should be in 250 cc root trainer)having minimum age of 6 months						
78	Eucalyptus (*Eucalyptus tereticornis* Sm.)								
79	Tea (*Camellia sinensis* L.)	16/10/2014	75 Plants (15-18 inches height), young plant having pencil thick stem with their own root						
80	Tea (*C. assamica*)								
81	Tea (*C. assamica*								

	ssp lasiocalyx.)							
82	Acid Lime (*Citrus aurantifolia* Swingle)		10 plants for each DUS centre. Age should be above six months					
83	Mandarin (*Citrus reticulata* Blanco)		10 plants for each DUS centre. Age should be above six months					
84	Sweet Orange (*Citrus sinensis* (L.) Osbeck)		10 plants for each DUS centre. Age should be above six months					
85	Bougainvillea (*Bougainvillea Comm.* Ex Juss.)		10 well rooted and established plant					
86	Banana (*Musa spp*.)		40 tissue cultured plant per location					
87	Orchid (*Oncidium sw*.)		20 plants of 2-3 year old with at least two pseudo-bulbs/shoots					
88	Canna (*Canna* L.)	21/01/2015	20 young plants or 20 matured rhizomes					
89	Gladioulus (*Gladioulus* L.)		30 Corms (4 - 4.5 cm in diameter)					
90	Muskmelon (*Cucumis melo* L.)		100 gm seed for open field cultivation	NA	80	8	98	Dec-Jan	230x 300
91	Watermelon (*Citrullus Lanatus* (Thunb.) Mansf.)		150 gm seed for open field cultivation	NA	80	8	98	Dec-Jan	230x 300
92	Jasmine (*Jasminum auriculatum* L.)	02/07/2015	20 rooted plant					
93	Tuberose (*Polianthes tuberosa* L)		75 Bulbs of more than 2 cm (diameter at broadest point) weighing 25-30 gm					
94	Papaya (*Carica papaya* L.)		20 gm for gyno-dioecious varieties & 40 gm for dioecious varieties in both season	NA	60	7	98% for var & 90% for Hybrid	--	---
95	China Aster (*Callistephus chinensis* (L.) Nees.)		2 gm each in two packets	NA	60	6-9	98	---	---
96	Peach (*Prunus persica* L. Batsch.)		10 grafted or budded plants					
97	Japanese Plum (*Prunus salicina* L.)		10 grafted or budded plants					
98	Strawberry (*Fragaria x ananasan* Duch.)		120 runners or plant propugules or seedling plants (tissue cultured plant hardned at 4-5 leaf Stage)					

99	Chilli, Bell Pepper and Paprika (*Capsicum annuum* L.)		15 gm for OP var & 10 gm for Hybrid and Parental line	NA	85	8	98	Aug-Sep	165x 100
100	Finger Millet (*Eleusine coracana* (L.) Gaertn.)		250 gm & 10 Panicles	NA	80	10-12	97	Apr-May	230x3 00
101	Foxtail Millet (*Setaria italic* (L.) Beauv)		250 gm & 10 Panicles	NA	80	11-12	97	Apr-May	230x3 00
102	Vegetable Amaranth (*Amaranthus tricolor* L.)	19/04/2016	150 g	NA	80	<8	98	July-Sep	165x 100
103	Ridge gourd (*Luffa acutangula* (L.) Roxb.)		250g or 1500 seeds	NA	80	<8	98	Dec-Jan	230-x300
104	Spinach beet (*Beta vulgaris* var. bengalensis Roxb.)		250 g	NA	80	<8	98	Aug-Sep	165x 100
105	Carnation (*Dianthus caryophyllus* L.)		150 rooted cuttings						
106	Orchid (*Paphiopedilum* Pfitz.)		10 plants for each centres						
107	Noni (*Morinda citrifolia* L.)	13/07/2016	10 grafted or budded plants for each location						
108	Bael (*Aegle marmelos* (L.) Correa)		5 Plants for each centres						
109	Jamun/Black plum (*Syzygium cuminii* (L.) Skeels.)		07 grafts for each location						
110	Nutmeg (*Myristica fragrans* Houtt.)		10 grafted or budded plants for each location						
111	Jasmine/Mogra (*Jasminum sambac* L.)		20 rooted plants for each location						
112	Custard apple / Sugar apple (*Annona squamosa* L.)		8 grafts						
113	Kalmegh /King of Bitters (*Andrographis paniculata* (Burm.f.) Wall. ex Nees)		30 gm	NA	95	8-9	98	Kharif : May-June	230 x 300
114	Neem (*Azadirachta indica* A. Juss.)	12/05/2017	40 clonally rooted plants with 60cm height						

115	Karanj (*Pongamia pinnata* (L.) Pierre.)		40 clonally rooted plants with 60 cm height						
116	Indian Gooseberry (*Emblica officinalis* Gaertn.)		03-04 months old plants						
117	Betelvine (*Piper betle* L.)		Rooted cutting terminal shoots shall be 3 months old with 25 cm height						
118	Marigold (*Tagetes spp*. L)		10 gm seed or 200 Nos rooted cuttings	NA	80	Not more than 8	98	Apr-May	165x 100
119	Guava (*Psidium guajava* L.)		10 grafts/ air layers for each locations						
120	Litchi (*Litchi chinensis* Sonn.)		7 plants raised through air layering for each location						
121	Deodar (*Cedrus deodara*) (Roxb.) G. Don		5 trees						
122	Chir pine (*Pinus roxburghii*) Sargent		5 trees						
123	Mulberry (*Morus* spp.)		50 stem cuttings of 12-15 cm length & 1.0-1.5 cm diameter						
124	Jasmine (*Jasminum multiflorum* L.)		20 numbers of 6 months old, fully rooted plants						
125	Buckwheat (*Fagopyrum esculentum*)		500 gram	NA	80	≤10%	98	Kharif: May-June	165 x 100
126	Buckwheat (*Fagopyrum tataricum*)		500 gram	NA	80	≤10%	98		
127	Grain Amaranth (*Amaranthus hypocondricus*)		50 gram	NA	80	≤10%	98	Kharif: May-June Rabi: Sept-Oct	165 x 100
128	Grain Amaranth (*A. cruentus*)		50 gram	NA	80	≤10%	98		
129	Grain Amaranth (*A caudatus*)		50 gram	NA	80	≤10%	98		
130	Grain Amaranth (*A. edulis*)		50 gram	NA	80	≤10%	98		
131	Faba bean (*Vicia faba* L. var. major Harz)		150 gram	NA	70	≤9%	98	Rabi: Sept-Oct	230 x300
132	Elephant Foot Yam (*Amorphophallus Paeoniffolius*)		36 tubers 200-400g each						
133	Taro (*Colocasia esculenta* var. esculenta, *Colocasia esculenta* var. antiquorum,		36 tubers 30-40g each						

	Colocasia esculenta var. stoloniferum)								
134	Taro (*Cyrtosperma chamissonis*/ *C. merkusii*)		36 tubers 30-40g each						
135	Jatropha (*Jatropha curcas* L.)		60 rooted plants with 60 cm height, to be submitted in June-July						
136	Barnyard millet (*Echinocloa frumentaceae* (Roxb.) Link)		250 grams seed with 10 panicles	NA	80	12	97	Apr-May	230x 300
137	Kodo millet (*Paspalum scorbiculatum* L.)		500 grams seed with 10 panicles	NA	80	12	97	Apr-May	230x 300
138	Little millet (*Panicum sumatrense* Roth. Ex Roemer And Schultes)		150 grams seed with 10 panicles	NA	80	12	97	Apr-May	230x 300
139	Proso millet (*Panicum miliaceum* L.)		200 grams seed with 10 panicles	NA	80	12	97	Apr-May	230x 300
140	Cashew (*Anacardium occidentale* L.)	23/10/2017	8 grafted plants						
141	Arecanut (*Areca catechu* L.)		10 numbers of one year-old seedlings						
142	Chironji (*Buchanania lanzan* Sperng.)	09/01/2018	9 grafts for each location						
143	Tamarind (*Tamarindus indica* L.)		9 grafts for each location						
144	Sweet potato (*Ipomoea batatas* (L.) Lam.)		150 vine cuttings (each one with a length of 30cm with 5 to 8 buds) for both centres						
145	Cassava (*Manihot esculenta* Crantz.)		100 cuttings for each centre, length 20 cm with minimum 5 to 8 viable buds						
146	Poplar (*Populus deltoides* L.)		120 cuttings from 1 year old plants						
147-153	Willow (*Salix* species) *Salix tetrasperma, Salix nigra, Salix jessoensis, Salix x rubens, Salix matsudana, Salix alba, Salix acmophylla*.	11/07/ 2018	120 hardwood cuttings, diameter 1 cm and length 20 cm						

154	Oat (*Avena sativa* L.)		1000	NA	85	10	98	Jul-Aug	230x300
155	Date Palm (*Phoenix dactylifera* L.)		06 Rooted suckers (offshoots), weight 8-10 kg						
156	Moringa (*Moringa oleifera* L.)	18/07/2019	30 plants or 100 pure seeds for each centre						
157	Melia (*Melia dubia* Cav.)	25/02/2019	100 rooted plants.						
158	Pointed Gourd (*Trichosanthes dioica* Roxb.)	15/12/2020	50 (fifty) tuberous root/ rooted vine cuttings (having minimum 3 nodes)						
159	Crossandra (*Crossandra infundibuliformis* (L.) Nees.)	15/12/2020	100 terminal rooted cuttings in plugs or pro-trays (50 for each center) of 6 cm to 8 cm						
160	Cowpea (*Vigna unguiculata* (L.) Walp. *ssp. unguiculata* and *Vigna unguiculata* (L.) Walp. *ssp. sesquipedalis* (L.) Verdc.)	15/12/2020	1000		95	9	98	May-June	230x300
161	Jackfruit (*Artocarpus heterophyllus Lam*.)	23/08/2021	The plant material has to be supplied in the form of grafts / budded plants.						
162	Greater Yam (*Dioscorea alata* L.)		10 healthy tubers 750-1100g						
163	Yam Bean (*Pachyrhizus erosus* L.)		The minimum quantity of planting material (seeds), to be supplied by the applicant, should be 75 - 100g for three replications.						
164	Seabuckthrorn (*Hippophae rhamnoides* L.)		The minimum required quantity of planting material, should be at least seven well rooted one-year-old plants in poly bags with at least two shoots.						
165	Ajwain *(Trachyspermum ammi* L.)	16/03/2022	New-50g, ENV- 10g, VCK- 25g, FV- 25g		65%	8-9%	98%	Rabi: Oct-Nov	165 x 100
166	Anise (*Pimpenella anisum* L.)		New- 100g, ENV-20g, VCK-50g, FV-50g		65%	9-10%	98%	Rabi: Oct	
167	Celery *(Apium graveolens* L.)		New-50g, ENV-10g, VCK-25g,FV-25g		65%	8-9%	98%	Rabi: Oct	
168	Cumin *(Cuminum cyminum* L.)		New-100g, ENV-20g, VCK-50g, FV-50g		65%	8-9%	98%	Rabi: Oct	
169	*Dill (Anethum graveolens* L.)		New-100g, ENV-20g, VCK-50g, FV-50g		65%	8-9%	98%	Rabi: Oct	
170	*Dill (Anethum sowa Roxb)*								
171	Fennel		New-200g, ENV-40g,		70%	8-9%	98%	Rabi: Oct	

	(*Foeniculum vulgare Mill.)*		VCK-100g, FV-100g					
172	Nigella *(Nigella sativa* L.*)*		New-100g, ENV-20g, VCK-50g, FV-50g	65%	8-9%	98%	Rabi: Oct	
173	Horse gram (*Macrotyloma uniflorum* (Lam) Verdc.)	18/11/2022	New-1500g, VCK &FV-750g, ENV-350g	95%	9%	98%	Kharif: April	
174	Gerbera (*Gerbera jamesonii* Adlem ex. Hooker f.)		plant height of 15 cm with 8-9 leaves and 4-5 roots of length 4-5 cm					
175	Coffee (*Coffea arabica* L.)		**Arabica:** i) Seedlings (six-months to one-year-old): 50 plants ii) Seed (viable seed prepared from fresh harvest): 100 nos **Robusta:** i) Clones (six-months to one-year-old): 50 clones					
176	Coffee (*Coffea canephora* Pierre ex A. Froehner)							
177	Flue-Cured Virginia (FCV) and bidi tobaccos (*Nicotiana tabacum* (L.))		New-20g, VCK & FV-10g, ENV-4g	95%	4%	98%		
178	Moth bean [*Vigna aconitifolia* (Jacq.) Marechal.]		New-1500g, VCK&FV-750g, ENV-300g	95%	9%	98%		
179	Cluster bean (*Cyamopsis tetragonaloba* L. Taub)		New-1500g, VCK&FV-750g, ENV-300g	95%	9%	98%		
180	Cocoa (*Theobroma cacao* L.)	14/02/2023	6 vegetatively propagated, rooted plants in poly bags					
181	Radish (*Raphanus sativus* L.)		New-200g, VCK&FV-100g, ENV-40g	90%	6%	98%		
182	Carrot (*Daucus carota* L.)		New-100g, VCK&FV-50g, ENV-20g	70%	8%	98%		
183	Teak (*Tectona grandis* L. f.)	18/05/2023	30 rooted plant (plant should be in 400 cc root trainer) having minimum age of 6 months					
184	Kalazeera [*Bunium persicum* (Bioss.) Fedts.]		200 tubers (3 - 4 g each & minimum 4 years old)					
185	Saffron (*Crocus sativus* L.)		New - 300 corms (8- 10g each) VCK & FV - 150 corms (8- 10g each)					
186	Dolichos bean (*Lablab purpureus* (L.) Sweet)		New-1000g, VCK&FV-500g, ENV-200g	95%	8%	98%	Kharif: June	230x 300
187	Ash gourd (*Benincasa hispida* (Thunb.) Cogn.)		New-60g, VCK&FV-30g, ENV-12g	80%	8%	98%	Kharif: April	165 x 100
188	Snake gourd (*Trichosanthes anguina* L.)		New- 400g, VCK&FV- 200g, ENV- 80g	80%	8%	98%	Rabi: Nov	165 x 100
189	Ivy gourd (*Coccinia grandis* (L.) Voigt)		50 (fifty) rooted vine cuttings (having minimum 3 nodes) in polybag					

190	Kokum (*Garcinia indica Choisy*)	22/03/2024	20 grafted plants						
191	Lemon (*Citrus limon* (L.) Burm. f.)		More than one year old five plants						
192	Pummelo (*Citrus maxima* (J. Burm.) Merr.)		five plants						
193	Lilium (*Lilium sp*., Oriental, Asiatic, LA Hybrids and OT Hybrids)		200 Bulbs per growing cycle. The planting material supplied should be uniform sized (Oriental Hybrids: 14-16 cm and Asiatic, LA, OT Hybrids: 12-14 cm)						
194	Jasmine (*Jasminum spp*.)		20 numbers of 6 months old fully rooted plants						
195	Ashwagandha (*Withania somnifera* (L.) Dunal)		60 g	70%	8-9%	98%			
196	Olive (*Olea europaea* L.)		15 plants of olive in the form of trees (one-year old) on their roots or on one-year old trees grafted on rootstock specified by the competent authority.						
197	Anthurium (*Anthurium andraeanum*)		(a) Varieties for pot plants: 300 young plants (150 for each centre). (b) Varieties for cut flowers: 300 young plants (150 for each centre).						
198	Sponge gourd (*Luffa cylindrica* (L.) Roem)	06/11/2024	New: 200 g in case of typical variety or F1 hybrid and 100 g for each of the parental lines of the hybrid (equal weighing 10 packets in single lot). VCK: 100 g in case of typical variety or hybrid and 50 g for each of the parental lines of hybrid (equal weighing 5 packets in single lot) ENV: 50 g in case of typical variety or hybrid and 15 g for each of the parental lines of hybrid (equal weighing 2 packets in single lot).	80%	8%	98%			
199	Curry leaf (*Murraya koenigii*		The material is to be supplied in the form of 10 rooted suckers in poly bags with wellestablished root system during June-July.						

	(L.) Spreng)							
200	Ailanthus (*Ailanthus excelsa.* Roxb.)		The minimum number of planting material to be supplied by the applicant or his nominee during June- July shall be 60 rooted plants. The age of the plants shall be six months while submitting the testing.					
201	Dahlia (*Dahlia spp*)		The planting material is to be supplied in the form of rooted cuttings. The minimum quantity of planting material of each cultivar/variety, to be supplied by the applicant, should be 200 rooted cuttings having 3-4 nodes (100 for each centre-50 for evaluation and 50 for propagation purpose).					
202	Broccoli (*Brassica oleracea* (L.) var. *italica* Plenck)		New: 30 g in case of typical varieties and hybrids and 30 g for each of the parental lines of the hybrid (equal weighing 10 packets in single lot). VCK: 15 g in case of typical variety or hybrid and 15 g for each of the parental lines of hybrid (equal weighing 5 packets in single lot). ENV: 10 g in case of typical variety or hybrid and 5 g for each of the parental lines of hybrid (equal weighing2 packets in single lot).	65%	7%	98%		
203	Lemon Grass (*Cymbopogan flexuosus* L.)		The planting material shall be supplied from pure 8– 10 months old plants, visibly healthy and not lacking in vigour or affected by any pest or disease. It should be obtained from in- vivo propagation and shall possess highest genetic purity, uniformity, sanitary and phyto-sanitary standards.					

3.3 REGIONAL HORTICULTURAL RESEARCH AND TRAINING STATION, MASHOBRA; DR Y S PARMAR UNIV. OF HORT. AND FORESTRY, MASHOBRA, SHIMLA

The field gene bank project entitled "*Establishment of field gene bank of temperate fruit crops*" is being implemented at Dr Y S Parmar Univ. of Hort. and Forestry, Mashobra, Shimla having mandated Crops: Apple, Pear and Cherry.

Total number of varieties of apple, pear and cherry under maintenance block in Field Gene Bank at RHR&TS, Mashobra, Shimla

Sr No	Crop	Total no of varieties
1	Apple	291
2	Cherry	91
3	Pear	51

Apple and Cherry varieties characterized during the year 2024-2025:

a) Morphological characterization of apple varieties for leaf characters:

It is evident from the table 1 that out of 30 varieties, 19 resulted in upward leaf blade attitude including Silver Spur, Well Spur, Starking Delicious, Jonagold, Early Red One, Starkrimson, Red Delicious, Oregon Spur II, Aztec Fuji, Fuji Kiku, Fuji Raku Raku, Sun Fuji, Ace Spur, Gold Rush, Bright-N-Early, Valley Spur, King Roat, Dark Baron Gala, and Schlect Spur. Outwards leaf blade altitude was recorded for 7 varieties Spartan, Granny Smith, Carrol, Gale Gala, Auvil Early Fuji, Red Cap Valtod and Buckeye Gala, whereas upwards - outwards type leaf attitude was reported in Redlum Gala, Scarlet Spur II, Honey Gold and Fulford Gala. The leaf pubescence on lower side of leaf on each variety was found to be weak, medium and strong. Leaf pubescence on lower side of leaf was weak in twelve varieties 15 varieties showed medium pubescence and only 3 varieties exhibited strong pubescence.

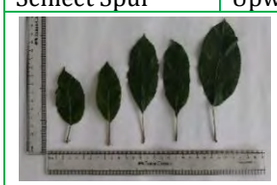
Intensity of green colour for different varieties showed wide range of variation from green group 137 A to yellow green group 147 A. The varieties observed under green group 137 A were (Redlum Gala, Jonagold, Scarlet Spur II, Ace Spur, Gold Rush and Schlect Spur), green group 137 B (Oregon Spur II), green group 137 C (Honey Gold), green group 138 A (Carrol), green group 139 A (Granny Smith) and yellow green group 147 A (Sliver Spur, Spartan, Well Spur, Starking Delicious, Early Red One, Starkrimson, Red Delicious, Gale Gala, Aztec Fuji, Fuji Kiku, Auvil Early Fuji, Fuji Raku Raku, Sun Fuji, Bright-N-Early, Red Cap Valtod, Valley Spur, Fulford Gala, King Roat, Buckeye Gala and Dark Baron Gala).

The data regarding incision of margins of leaves showed considerable and crenate type leaf margin was reported only in Schlect Spur, varieties Well Spur, Granny Smith, Ace Spur and Gold Rush had bicrenate type leaf margin, Serrate type 1 leaf margins were observed in cultivars Starking Delicious, Jonagold, Gale Gala, Scarlet Spur II, Honey Gold, Bright-N-Early, King Roat and Dark Baron Gala. In varieties Silver Spur, Early Red One, Red Delicious, Carrol, Oregon Spur II, Fuji Raku Raku, Sun Fuji and Fulford Gala serrate type 2 margin was reported, whereas biserrate leaf margin was found in Redlum

Gala, Spartan, Starkrimson, Aztec Fuji, Fuji Kiku, Auvil Early Fuji, Red Cap Valtod, Valley Spur and Buckey Gala.

Table 1: Foliage characteristics of different apple varieties

Varieties	Leaf altitude in relation to shoot	Pubescence on lower side	Intensity of green colour	Incision of margins	Size of stipule
Silver Spur	Upwards	Weak	Yellow Green 147 A	Serrate type 2	Medium
Redlum Gala	Upwards-Outwards	Weak	Green Group 137 A	Biserrate	Very small
Spartan	Outwards	Medium	Yellow Green 147 A	Biserrate	Small
Well Spur	Upwards	Weak	Yellow Green 147 A	Bicrenate	Medium
Starking Delicious	Upwards	Weak	Yellow Green 147 A	Serrate type 1	Small/narrow
Granny Smith	Outwards	Medium	Green Group 139 A	Bicrenate	Small/narrow
Jona Gold	Upwards	Strong	Green Group 137 A	Serrate type 1	Medium
Early Red One	Upwards	Weak	Yellow Green 147 A	Serrate type 2	Small/narrow
Starkrimson	Upward	Weak	Yellow Green 147 A	Biserrate	Small/narrow
Red Delicious	Upwards	Medium	Yellow Green 147 A	Serrate type 2	Small/narrow
Carrol	Outwards	Weak	Green Group 138 A	Serrate type 2	Small/narrow
Gale Gala	Outwards	Weak	Yellow Green 147 A	Serrate type 1	Medium
Scarlet Spur II	Upwards-Outwards	Weak	Green Group 137 A	Serrate type 1	Small/narrow
Oregon Spur II	Upwards	Weak	Green Group 137 B	Serrate type 2	Very small
Aztec Fuji	Upwards	Medium	Yellow Green 147 A	Biserrate	Medium
Fuji Kiku	Upwards	Medium	Yellow Green 147 A	Biserrate	Medium
Auvil Early Fuji	Outwards	Medium	Yellow Green 147 A	Biserrate	Medium
Fuji Raku Raku	Upwards	Medium	Yellow Green 147 A	Serrate type 2	Broad
Sun Fuji	Upwards	Medium	Yellow Green 147 A	Serrate type 2	Broad
Honey Gold	Upwards-Outwards	Strong	Green Group 137 C	Serrate type 1	Medium
Ace Spur	Upwards	Medium	Green Group 137 A	Bicrenate	Small/narrow
Gold Rush	Upwards	Medium	Green Group 137 A	Bicrenate	Medium
Bright-N-Early	Upwards	Medium	Yellow Green 147 A	Serrate type 1	Medium
Redcap Valtode	Outwards	Strong	Yellow Green 147 A	Biserrate	Medium
Valley Spur	Upward	Weak	Yellow Green 147 A	Biserrate	Small/narrow
Fulford Gala	Upwards-Outwards	Weak	Yellow Green 147 A	Serrate type 2	Medium
King Roat	Upwards	Medium	Yellow Green 147 A	Serrate type 1	Medium
Buckeye Gala	Outwards	Medium	Yellow Green 147 A	Biserrate	Medium
Dark Baron Gala	Upwards	Medium	Yellow Green 147 A	Serrate type 1	Medium
Schlect Spur	Upwards	Medium	Green Group 137 A	Crenate	Medium


Silve Spur


Redlum Gala


Starking Delicious


Granny Smith

			
Carrol	Jona Gold	Sun Fuji	King Roat

Morphological characterization of apple varieties for fruit characters:

The data on anthocyanin colouration of fruitlet showed distinct variation among studied varieties. The data revealed that anthocyanin colouration was found weak, medium and strong. On the basis of results, weak anthocyanin colouration was found in Granny Smith, Aztec Fuji, Fuji Kiku, Fuji Raku Raku, Honey Gold and Gold Rush. Medium anthocyanin colouration was observed in varieties like Sliver Spur, Redlum Gala, Spartan, Starking Delicious, Jonagold, Red Delicious, Carrol, Gale Gala, Auvil Early Fuji, Sun Fuji, Ace Spur, Red Cap Valtod, Valley Spur, Fulford Gala, Buckeye Gala and Schlect Spur, whereas, in Well Spur, Early Red One, Starkrimson, Scarlet Spur II, Oregon Spur II, Bright-N-Early, King Roat and Dark Baron Gala strong anthocyanin colouration was recorded.

Among 30 varieties, Silver Spur, Well Spur, Early Red One, Oregon Spur II, Ace Spur, Gold Rush, Bright-N-Early and Schlect Spur exhibited conic fruit shape and Starking Delicious, Starkrimson, Red Delicious had cylindrical waisted fruit shape. Globose fruit shape was noticed in Redlum Gala, Spartan, Granny Smith, Jonagold, Carrol, Gale Gala, Aztec Fuji, Fuji Kiku, Auvil Early Fuji, Fuji Raku Raku, Honey Gold, Fulford Gala, Buckeye Gala and Dark Baron Gala, whereas ovoid shape was observed in Valley Spur and obloid in Sun Fuji. Cultivars Scarlet Spur. In current study the pooled data evinced in Table 4.5 showed significant differences for fruit weight in thirty varieties of apple.

The data for fruit weight varied from 98.02 g -184.62 g and highest fruit weight (184.62 g) was recorded in Red Delicious and lowest fruit weight (98.02 g) was recorded in variety Schlect Spur. The maximum fruit length (7.00 cm) was reported in Red Delicious, followed by Starking Delicious (6.76 cm) and Early Red One (6.58 cm). Data for minimum fruit length was observed in Redlum Gala (5.19 cm) which was followed by Valley Spur (5.35cm), Carrol (5.41 cm), Sun Fuji (5.45 cm) and Bright-N-Early (5.59 cm). Range of fruit width was 5.55 cm- 7.47 cm. Highest fruit firmness was reported in Carrol (9.15 kg/cm^2) Whereas, minimum fruit firmness was observed in Well Spur (6.45 kg/cm^2) which was closely followed by Honey Gold (6.50 kg/cm^2).

Table 2: Fruit characteristic of apple varieties

Varieties	Anthocyanin Colouration	Fruit Shape	Fruit Weight (g)	Fruit length (cm)	Fruit width (cm)	Fruit firmness (kg/cm^2)
Silver Spur	Medium	Conic	131.04	6.44	6.51	7.73
Redlum Gala	Medium	Globose	110.94	5.19	6.11	7.93
Spartan	Medium	Globose	149.05	6.10	6.87	6.92
Well Spur	Strong	Conic	104.02	6.24	6.24	6.45
Starking Delicious	Medium	Cylindrical waisted	154.52	6.76	6.98	8.42
Granny Smith	Weak	Globose	165.25	6.41	7.04	7.48

Jona Gold	Medium	Globose	146.83	6.39	6.53	7.08
Early Red One	Strong	Conic	145.99	6.58	6.77	8.08
Starkrimson	Strong	Cylindrical waisted	138.67	6.25	6.53	7.71
Red Delicious	Medium	Cylindrical waisted	184.62	7.00	7.47	8.19
Carrol	Medium	Globose	99.47	5.41	6.29	9.15
Gale Gala	Medium	Globose	119.48	6.26	6.72	8.65
Scarlet Spur II	Strong	Cylindrical waisted	132.96	6.42	6.77	7.70
Oregon Spur II	Strong	Conic	124.45	6.37	6.49	8.31
Aztec Fuji	Weak	Globose	136.04	5.86	6.38	8.02
Fuji Kiku	Weak	Globose	134.79	5.72	6.69	7.62
Auvil Early Fuji	Medium	Globose	109.29	5.73	6.33	9.08
Fuji Raku Raku	Weak	Globose	161.86	5.96	7.06	7.41
Sun Fuji	Medium	Obloid	121.40	5.45	6.54	8.42
Honey Gold	Weak	Globose	139.15	6.46	7.01	6.50
Ace Spur	Medium	Conic	114.42	6.07	6.41	7.15
Gold Rush	Weak	Conic	118.79	5.70	6.61	7.67
Bright-N-Early	Strong	Conic	121.12	5.59	5.70	6.77
Red Cap Valtod	Medium	Cylindrical waisted	113.60	6.01	6.10	7.84
Valley Spur	Medium	Ovoid	116.37	5.35	5.77	8.34
Fulford Gala	Medium	Globose	112.87	5.67	7.03	6.85
King Roat	Strong	Cylindrical waisted	144.05	6.39	6.57	8.07
Buckeye Gala	Medium	Globose	125.20	5.95	6.60	6.75
Dark Baron Gala	Strong	Globose	133.19	5.95	6.57	7.13
Schlect Spur	Medium	Conic	98.02	6.05	5.55	7.49



Redlum Gala



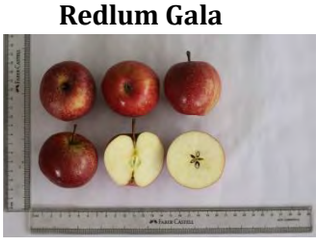
Granny Smith



Jona Gold



Sun Fuji



Gale Gala



Early Red One



Redcap Valtod



Fuji Raku Raku

Table 4: Fruit characteristic of apple varieties

Varieties	Bloom of Skin	Greasiness of skin	Relative area of over colour	Pattern of over colour
Silver Spur	Strong	Moderate	Large	Solid flush with strongly defined stripes
Redlum Gala	Absent	Moderate	Large	Solid flush with weakly defined stripes
Spartan	Moderate	Moderate	Very large	only solid flush
Well Spur	Moderate	Moderate	Large	Solid flush with weakly defined stripes
Starking Delicious	Moderate	Moderate	Large	Solid flush with weakly defined stripes
Granny Smith	Absent	Moderate	Very small	Only solid flush
Jona Gold	Moderate	Strong	Medium	Solid flush with weakly defined stripes
Early Red One	Moderate	Moderate	Large	Solid flush with strongly defined stripes
Starkrimson	Strong	Moderate	Very Large	Only solid flush
Red Delicious	Moderate	Strong	Medium	Solid flush with weakly defined stripes
Carrol	Weak	Moderate	Large	Only solid flush
Gale Gala	Moderate	Weak	Very Large	Only solid flush
Scarlet Spur II	Weak	Moderate	Large	Only solid flush
Oregon Spur II	Moderate	Moderate	Medium	Solid flush with strongly defined stripes
Aztec Fuji	Weak	Moderate	Large	Solid flush
Fuji Kiku	Weak	Moderate	Large	Solid flush with strongly defined stripes
Auvil Early Fuji	Moderate	Moderate	Medium	Flushed, striped and mottled
Fuji Raku Raku	Moderate	Moderate	Medium	Solid flush with strongly defined stripes
Sun Fuji	Moderate	Moderate	Medium	Solid flush with strongly defined stripes
Honey Gold	Moderate	Moderate	Absent	Only solid flush
Ace Spur	Moderate	Moderate	Large	Solid flush with weakly defined stripes
Gold Rush	Weak	Weak	Absent	Only solid Flush
Bright-N-Early	Strong	Moderate	Large	Only solid flush
Red Cap Valtod	Strong	Moderate	Large	Only solid flush
Valley Spur	Moderate	Moderate	Large	Solid flush with strongly defined stripes
Fulford Gala	Weak	Moderate	Medium	Flushed striped and mottled
King Roat	Strong	Strong	Very Large	Only solid flush

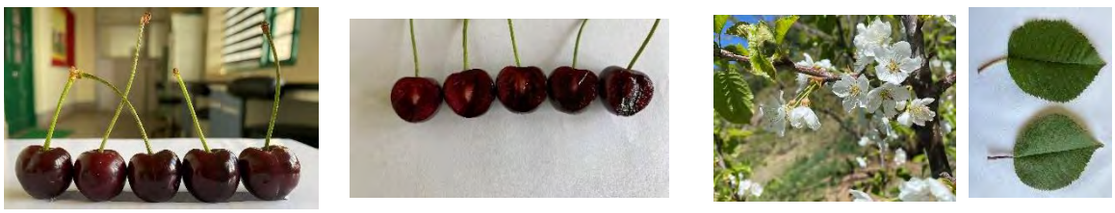
Buckeye Gala	Moderate	Moderate	Large	Flushed and mottled
Dark Baron Gala	Moderate	Moderate	Large	Only solid flush
Schlect Spur	Weak	Moderate	Large	Solid flush with strongly defined stripes

2. Cherry:

Vegetative characteristics (Leaf) of sweet cherry varieties

Sr. No.	Variety	Leaf length (cm)	Leaf width (cm)	Leaf area (cm^2)
1.	Bedford Prolific	17.77	7.70	78.34
2.	Bigarreau Napolean	16.03	5.70	69.88
3.	Bigarreau Noir Grossa	14.50	6.30	64.10
4.	Bing	17.93	7.40	85.62
5.	Black Heart	18.53	6.50	95.01
6.	Bradbourne Black	15.57	6.60	68.91
7.	Celisor	19.47	7.30	89.12
8.	CITH-1	17.83	6.50	57.61
9.	CITH-12	14.57	6.40	60.07
10.	CITH-13	17.90	7.60	71.73
11.	CITH-14	16.13	6.60	66.36
12.	CITH-15	15.13	6.20	66.15
13.	CITH-16	15.77	6.50	56.18
14.	CITH-3	13.67	6.30	90.86
15.	CITH-4	16.80	6.40	70.85
16.	CITH-5	15.57	6.30	52.07
17.	CITH-8	15.47	6.90	70.85
18.	Desna	17.97	7.30	77.11
19.	Durone De Vignola	13.00	5.50	63.59
20.	Durone Nero-1	15.97	6.50	62.25
21.	Durone Nero-2	20.27	6.50	82.52
22.	Durone Nero-3	16.00	6.70	54.68
23.	Early Rivers	18.90	6.60	78.31
24.	Foya Travida	17.17	7.90	72.03
25.	Gaucher	16.87	6.20	53.94
26.	Germarsdofer	16.93	6.40	60.87
27.	Guigne Noir Hative	16.73	6.40	58.64
28.	Guigne Pourpea Precece	12.70	7.50	47.06
29.	Lambert	19.67	7.80	91.76
30.	Lapins	15.30	7.30	49.52
31.	Merchant	19.07	7.00	94.71
32.	Merton Glory	22.13	7.20	95.25
33.	Noir De Guben	17.93	8.20	78.25
34.	Rainer	20.87	7.40	90.91

35.	Red Heart	19.23	7.40	72.67
36.	Roundal Heart	15.20	6.40	57.34
37.	Sam	18.47	6.40	73.23
38.	Seneca	16.90	5.50	76.89
39.	Stella	16.70	6.40	60.83
40.	Sunburst	17.27	7.30	55.37
41.	Sweet Heart	17.03	7.50	63.69
42.	Triumph Domini	17.40	6.30	62.51
43.	Van	16.43	6.80	60.66
44.	Vega	20.77	6.50	93.03
45.	White Heart	17.17	7.20	60.96



Black Heart



Celisor



Breadbourne Black



Desna






Van

Plantation of registered varieties of apple in FGB at RHR&TS, Mashobra:

- Plantation of two registered varieties of apple viz: HRMN99" and "APS" was done during January- February, 2025. Five plants of each variety (HRMN99" and "APS) were collected during January, 2025 and planted in the Field Gene Bank at RHR&TS, Mashobra, Shimla.
- Addition of one apple variety "Karkitchoo" from Ladakh area was also done in field gene bank. Karkitchoo apples are a specific variety known for their sweetness, crunch, and glossy skin, grown in the Kargil and Sham Valley regions of Ladakh, India.

	
Plantation of apple "**HRMN99"** in Field Gene Bank at RHR&TS, Mashobra, during January, 2025	Plantation of apple **"APS"** in Field Gene Bank at RHR&TS, Mashobra, during January, 2025

Applications filed with PPV&FRA for plant variety protection by the Organization (in 2024-25):

- Application of Sh Suresh Panjta, of Village Brall, Rohru, Shimla, HP was filed for plant variety protection
- A team comprising of Dr Dinesh Singh Thakur (Associate director, RHR&TS, mashobra) and Dr Neena Chauhan (associate Professor) visited the apple orchard of Sh Suresh Panjta, of Village Brall, Rohru, Shimla, HP on dated 19.09.2024.

Observations recorded in the orchard and more specifically on the apple tree where in the occurrence of the mutant/ variant was claimed are as under:

- The tree wherein the variation war observed is A 34 year old tree of "Straking Delicious" variety situated at the altitude of 7198 ft amsl.
- As per the observation it is bud mutant having blushed or solid red coloured fruits as compared to less coloured fruits of mother variety Starking Delicious which had striped fruits.
- The mutated fruit branch was placed in inner shady portion of tree which was least exposed to the sun.
- The fruits were harvested on 19th September, 2024 and data was recorded for the physico chemical parameters as per DUS guidelines.

Character		Parent (Starking Delicious)	Mutant
Leaf length		9.62	6.82
Leaf width		5.32	3.62
Intensity of green colour		Dark green	Light green
Petiole length		3.8	3.52
Margin		Crenate	Serrate type – II
Size of stipules		Absent	Absent
Fruit let: Anthocyanin colouration		Medium	Strong
Fruit: weight (g)		225.02	182.2
Fruit: shape		Conical	Conical
Length		75.82	68.22
Diameter		76.49	73.22
Fruit: size of eye basin (mm)	Depth	9.01	8.05
	Width	14.24	14.97
Fruit: firmness of flesh (psi)		7.5	6
Fruit: length of stalk (cm)		14.875	16.64
Fruit: depth of stalk cavity (cm)		6.94	4.85
Fruit: prominence of lobes at calyx end		Strong	Moderate
Fruit: bloom of skin		Weak	Weak
Fruit: greasiness of skin		Moderate	Strong
Fruit: over color		Small	Large
Fruit: * pattern of over color		Solid flush with strongly defining stripes	Only solid flush
Fruit: russet around Stalk attachment		Medium	Absent
Fruit: area of russet on cheeks		Absent	Absent
Fruit: area of russet around eye basin		Absent	Absent
Fruit: number of lenticels		Few	Many
Fruit: colour of flesh		Creamish	Creamish
TSS		10.1	11.2



Starking Delicious apple fruit from mother tree



Bud Mutant of Starking Delicious







Bud mutant on Starking Delicious apple tree

Pending applications:

- Apple variety of Sh. Joginder Kanwar, Village Majholi, P.O. Kathog, Shimla, HP under denomination **Kanwar Majholi Selection-I** is under the process of registration number (**RG/2019/121**), certificate has been issued 09/06/2025
- Application for registration of apple variety under denomination **ADHIRAJ-1** of Sh. Rajpal Singh Geshta, Village Astani, P.O. Samoli, Tehsil Rohru, District Shimla, was filed in the month of September, 2022 through ADR, RHR&TS, Mashobra, Shimla.

3.4 Dr B.S. KONKAN KRISHI VIDYAPEETH, DAPOLI, MAHARASHTRA

The Field Gene Bank project entitled '*Collection, maintenance, evaluvation and development of descriptors of fruit and plantation crops and three spices through live repository*' is being implemented

at Dr. B.S. Konkan Krishi Vidhypeeth Dapoli. The mandated crops are: Mango, Turmeric, Banana, Black pepper.

- Characterization of new 20 varieties of mango have been completed
- Characterization of 32 varieties of turmeric have been completed
- Pre monsoon operations and maintenance of mango reference varieties block I, II,III, DUS Testing Block
- Application of manure, preparation and planting of annual crops like turmeric plant protection measures.
- Survey for collection of local mango, banana, turmeric, Jackfruit and jamun varieties.
-

a) Survey and Collection of farmers' varieties for registration under PPVFRA project

Sr.No.	Name of the Farmer/ Research station	Crop	Remarks
1	Mr. Uday Joshi	Mango (Local) Raiwal	Collected and grafted on Vellaikolamban rootstock
2	Mr. Naushad Chiktay, Unhavre, Dapoli	Mango (Raiwal)	Pickle Purpose, Collected and grafted on Vellaikolamban rootstock
3	Mr. Gajanan Bade	Mango	Pickle Purpose, Collected and grafted on Vellaikolamban rootstock
4	RFRS Vengurle Mr. Anil Gawade 2 Mr. Shankar Sawant 2 Mr. Anirudhh Karandikar 3 Mr. Tulshiram Pitre 1 Mr. Chandrakant Langwe 1	Jamun 9 farmers varieties	Local Jamun types characterization is in progress.
5	Mr. Shrikant Chendwankar	4 banana farmers varieties	Collected and planted at FGB, Tetawali
6	College of Horticulture, Dapoli	Mango (Keli Aamba)	Peel like banana, Collected and grafted on Vellaikolamban rootstock
7	Mr. Eknath More	1 Okra farmers variety	Non sticky, high market demand okra variety identified and seeds collected.
8	Mr. Eknath More	1 Snake gourd farmers variety	Identified, seed collection pending.
9	Mr. Dhananjay Joshi	Arecanut Shrivijay farmers variety	Identified, seed collection pending.
10	Dr. Mahendra Gawankar	MSK mango farmers variety	Identified, graft collection pending.
11	Mr. Manoj Purandare	Medicinal red banana	Identified, suckers collection pending
12	Mr. Sachin Patwardhan	Chilli farmers variety	Identified, seed collection pending.
13	Mr. Amar Khamkar	Cashewnut	Disease and pest resistant cashew farmers variety identified, graft collection pending.
14	Mr. Subhash Vaidya	Half kg mango variety	Identified, graft collection pending.
15	Mrs. Veena Khot	Arecanut bold nut	Identified, seed collection pending.
16	Mrs. Veena Khot	Black skin jackfruit	Identified, graft collection pending.

b) List Varieties under maintenance/Characterised:

Sr. No.	Name of the Crop	List of varieties/Ecotypes under maintenance in 2024-25
1.	Mango	33 (Varieties 20, Farmers Varieties 17, Total Ecotypes 60)
2.	Turmeric	44 varieties (37 Varieties+ 7 New collected)
3.	Citrus	3 Species
4.	Kachai Lemon	1
5.	Black pepper	15 (New collected 9)
6.	Banana	54 (50 + New collected 4)
7.	Nutmeg	3 Farmers' Varieties
8.	Farmer's varieties	125

Training cum Awareness program on PPV & FRA:



- The information of PPV & FRA & registration procedure is given to the farmers in the three training programs conducted on Mango Production Technology and Rejuvenation of old orchards at College of Horticulture, Dapoli on 24/07/2024/,26/09/2024,07/10/2024.
- Radio Talk at AIR Akashwani Ratnagiri on Need of registration of farmers varieties under PPV & FRA was given by Dr. M. M. Kulkarni was aired on 01/03/2025.



- Exhibition of local fruits and vegetables from konkan region is organised at Dr.B.S. Konkan Krishi Vidyapeeth, Dapoli 18/05/2025.
- Lecture on collection and registration of farmers variety under PPV &FR Authority was delivered in kharip planning meeting 23/04/2025 to agriculture officers from konkan region by Dr. M. M. Kulkarni.
- Two variety(s) of cashewnut form Regional Fruit Research Station Vengurla was registered under PPVFR Act, 2001
- Characterization of new 20 varieties of mango and 32 varieties of turmeric have been Completed.

3.5 DUS REVIEW MEETING

21st Review meeting of the DUS centres for the first phase were conducted during Jan 30-31st, 2025, at PPVFRA Bhawan for the centres dealing with field crops i.e., cereals, millets, vegetables, pulses, oilseeds, sugarcane and fibre crops etc. Review meeting of the DUS centres for the 2nd phase in crops that are asexually reproduced were conducted during March 24-25, 2025, at PPVFRA Bhawan. Following experts, i.e., Dr. S Rajan; Former Director, ICAR-CISH; Dr. Sudhakar Pandey, ADG(Veg), ICAR; Dr. SK Chakrabarty, Pr. Scientist, ICAR-IARI participated

and deliberated during the discussions. Nearly 125 Nodal/Co-Nodal officers from DUS centres participated in the review meeting(s) apart from officers and employees of PPVFRA.

Dr DK Agarwal, Registrar-General, discussed about different provisions under PPVFR Act, 2001, timelines and progress of registration, e.g., total number of applications from public/private sector and farmers are 19255; number of crop species notified are 203; conduct of Global Symposium on Farmers' Rights' during Sep 12-15, 2023; Indo-German Bilateral Programme; Interface meeting with Agricultural Extension Division at ICAR HQ to conduct training cum awareness programme by KVKs and ATARI etc and new initiatives of PPVFRA.

Dr Trilochan Mohapatra, Chairperson, PPVFRA, discussed how focussed approach helped in reducing pendency during the last two years resulting issue of plant variety registration certificates for more than 3276 varieties during the year of 2023 and 2024 alone; withdrawal of compound registration and PVP number system, different committee(s) were constituted for issues like identification of new crop species for development of DUS test guidelines, special traits, EDVs, Community seed bank etc. He advised that timely disposal of applications in terms of conduct of DUS test, collation of DUS data from centres and timely submission to Registry and taking a decision on eligibility of plant variety registrations is the requirement of the legislation. It was also advised that maintenance breeding of reference varieties, training of DUS technical personnel etc are to be enforced strictly. He urged that centres must take concerted initiative to mentor farmers/communities for plant variety registration so that intellectual property protection of the varietal diversity in India is ensured and individuals/communities conserving plant varieties need to be identified for different category of PGSC Awards. It was stressed that digital database for DUS including reference/example and candidate varieties, physical and financial progress since the establishment of DUS centres, mapping of farmers varieties and gap identification are some of the areas where centres are required to look into.

Subsequently, different technical sessions were conducted crop group wise during both the phases and Nodal/Co-Nodal officers presented the information for technical and financial progress and discussions were held thereafter. General recommendations are mentioned hereunder:

General Recommendations

- Digital database for DUS descriptors, trait wise photographs, calibration book, technical & financial progress (since the establishment of DUS centre) must be prepared and be provided to PPVFRA.
- All centres must develop plant variety registration related publication in local languages and sent the digital copies to PPVFRA.

- During DUS trial of each year, every centre must grow appropriate example varieties so that all states and expressions can be observed/measured and calibrated, whenever required for candidate/reference varieties. States/Expressions in example varieties are also required for dispute resolution, if any.
- Centres need to expand reference collection, include varieties that are notified under Seeds Act, 1966, appropriate regional and zonal checks in AICRP trials of respective crops in each centre; released/commercialised by Institutes/organisations/SAUs etc. Seeds of popular local varieties can be collected. Seeds of varieties sold by seed companies can also be purchased from local market on a yearly basis.
- Crop based Nodal centres must conduct training programmes on how to record DUS descriptors and filing of applications of plant varieties seeking plant variety protection under PPVFR Act, 2001 and this may be imparted upon public/private sector plant breeders, breeders in AICRP Centres and technical persons involved in various DUS centres
- In case of farmers' varieties, that goes into informal seed chain or commercialized, centres need to collect documents and case studies be made to show case doubling Farmers' Income.
- Nodal centres must co-ordinate DUS testing, visit other centres, check data records and harmonise/calibrate descriptors and correct discrepancies, if any.
- All centres shall take immediate action to submit applications for varieties developed by their centre/Institute/SAUs that are notified under Seeds Act, 1966 or released/commercialized.
- Expression of Interest be issued for crops where DUS test guidelines are to be developed.
- All centres are required to send DUS data in soft copy as well as certified copy.
- Centres were advised for adoption of increased salary for SRF/tech personnel in DUS centres as per ICAR revision, wherever applicable. During the deliberations, specific instructions were given to each participating centre to comply with technical parameters, budgetary provisions and accordingly extension and fund release during FY 2025-26 will be worked out and will communicated to centres.

4: Projects on the Development of DUS Test Guidelines and Establishment of Gene Banks

A total of 27 projects for development of DUS test guidelines was in progress such as 1 Ocimum spp. 2. Sapota, 3. Adenium, 4. Kiwifruit, 5. Khejri, 6. Mahua, 7. Turnip, 8. knol khol 9. Daffodils, 10. Niger, 11. Vegetable Kale, 12. Lettuce, 13. Brown Top Millet, 14. Tulip, 15. Bambara Groundnut, 16.Alstroemeria, 17. Pran, 18. Makhana, 19. Summer Squash,20. Palymyrah, 21. Karonda, 22. Quinoa spp23. Rubber, 24. Avacado, 25. Dragon fruit, 26. Aranda, 27. Lettuce, all these are at various stages of framing of DUS test guidelines.

4.1. DUS Testing Guidelines for *Ocimum* Species

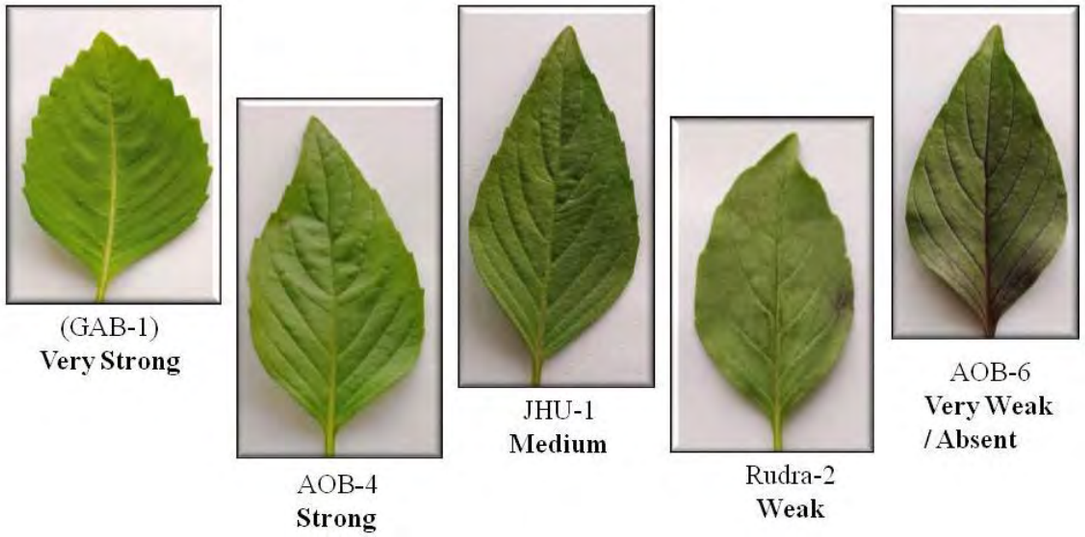
Centre has undertaken the work related to development of DUS guideline on Ocimum Species .The experiments were conducted during 2024-25 at ICAR-Directorate of Medicinal and Aromatic Plants Research, Anand Gujarat, India located at 22^{0}35´N, 72^0 55'E above 45.1 m above mean sea level. A totalof 45 accessions of *Ocimum basilicum*L. Were evaluated at two locations (Boriavi and Lambhvel). The genus is characterized by variation among plant morphology, growth habit, inflorescence, leaves, stem colour, seed shape, PGs and oil content.



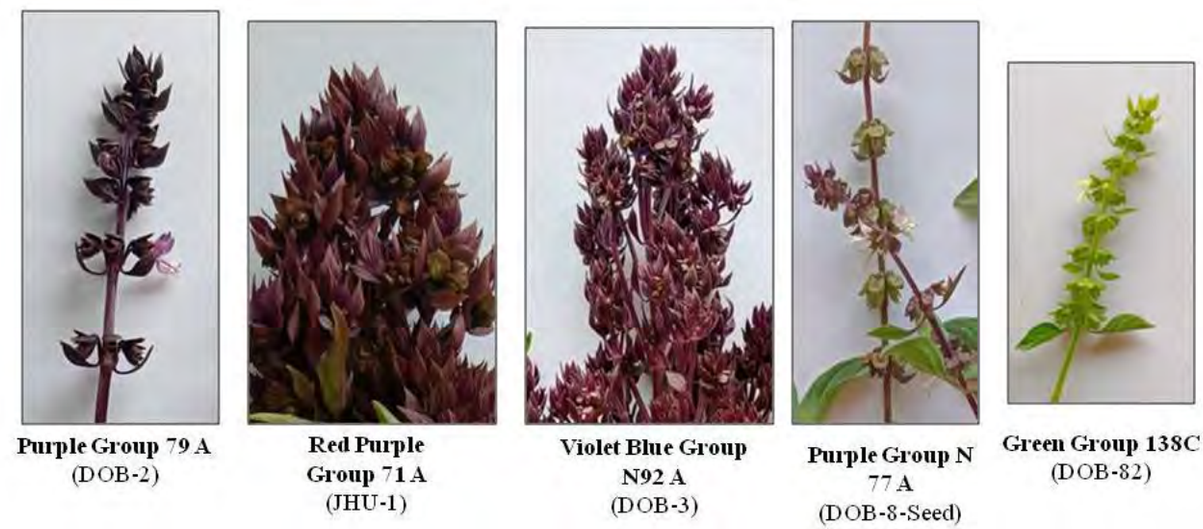
Plant height



Variation in corolla colour



Serration of Leaf Margin



colour of bracts

4.2."Development of DUS Testing Guidelines for Sapota"

Centre has undertaken the work related to development of DUS guideline on sapota. A total of 23 commercial varieties were grafted and maintained for the development of DUS testing guidelines. Observations on different 25 morphological characters based on VG/VS and MS/MG have been taken and characterized and included in the Draft DUS guideline.



Visit of PPVFRA , New Delhi by Member Secretary Dr.D.S.Pilania and Dr Avnish Kumar Pandey Project In charge and local Committee member April 11 th ,2025

4.3."Development of DUS Testing Guidelines for Adenium"

Centre has undertaken the work related to development of DUS guideline on adenium. 64 germplasms were grafted and maintained for the development of DUS testing guidelines. Observations on different 44 morphological characters based on VG/VS and MS/MG have been taken and characterized and included in the Draft DUS guideline.



Visit of Dr. S.K. Singh DDG Horticulture.



Visit of by Task force members Dr. Ramesh Kumar, Dr. S.S. Shindhu, Dr. Naveen Kumar, Dr. D. S. Pilania, Dr. Dilip Patel escorted by **Dr. Alka Singh (Project Incharge) and Co-PI** on 11th April, 2025

4.4. Development of DUS Testing Guidelines for Kiwifruit (Actinidia spp.)

A project entitled "Development of DUS Testing Guidelines for Kiwifruit (Actinidia spp.)" was sanctioned to Dr. Y.S. Parmar University of Horticulture and Forestry (Dr YSPUHF), Nauni, Solan (H.P.) with the objective of formulating distinctness, uniformity, and stability (DUS) testing guidelines for

kiwifruit. The project focuses on establishing standardized descriptors and evaluation parameters to support the identification, characterization and registration of kiwifruit varieties in India.

Twenty descriptors were finalized for recording observations on kiwifruit. Observations were subsequently recorded and analysed on six *Actinidia deliciosa* cultivars viz., Allison (female), Hayward, Monty, Bruno, Abbott and Allison (male), grown and maintained in Himachal Pradesh. The study focused on assessing morphological and biochemical traits to support the development of reliable DUS testing guidelines.



Allison (Female)

4.5. 'Development of DUS testing guidelines for Khejri (*Prosopis cineraria*)'

During the period the khejri germplasm block monitored and maintenance plan prepared for start of good field practices. On the basis of primary documentation, 28 khejri genotypes marked for morphological characterization. A wide-range of parameters with respect to the leaf, inflorescence, flowers, pods, seeds and plant growth habits were identified for characterization and to develop DUS guidelines. In addition, an off-season bearer khejri genotype was collected from Bikaner region and established through clonal propagation in field.



Variation patterns in spike length from selected khejri genotypes



Variation patterns in no of pinna pair/leafamong selected khejri genotypes

4.6. Development of DUS Testing Guidelines for Mahua

Project was started during the year 2024. During reporting period, observations for various morphometric and physico-chemical traits were recorded on one Mahua variety (TharMadhu) and 15 genotypes. A total of 30 descriptors are standardized, providing detailed criteria for evaluating the structural, foliar, floral, and seed characteristics of each Mahua genotype. Observations on same set of genotypes will be repeated during 2025-26

Representative flower, fruit and seed samples

4.7. Development of DUS guide lines for Turnip (*Brassica rapa*var. *rapa* L.)"

The project entitled **"Development of DUS guide lines for Turnip (*Brassica rapa*var. *rapa* L.)"**was initiated with the primary objective of developing DUS descriptors for Turnip varieties. The comprehensive work involved collection, characterization, evaluation, and selection of diverse germplasm lines from across agro climates and institutions of the country.



1) Unopen flower bunch



2) Mature flower bunch



3) Mature fruit bunch



4) Variability in seed



5) Seed kernel



6) Shell

During the project period, collection hotspots were identified and systematically 103 germplasm lines were collected from 115 locations in Jammu and Kashmir, Ladakh and national institutions (ICAR, SAUs, NBPGR). Experimental field trials were laid out at Division of Vegetable Science, SKUAST-K, Shalimar and the germplasm collections were evaluated and documented for vegetative traits (leaf, root, growth parameters). Discarding repetitions 48 promising genotypes were replanted for flowering and seed production under controlled conditions. Only twenty one selected genotypes were replanted for flowering and seed production. Seeds of selected lines were submitted to NBPGR for issuance of IC numbers. Final draft of DUS descriptors based on two-year validated data was submitted to PPV&FRA.



Land preparation and sowing



Field view



Variability in root shape and colour

4.8. Development of DUS guide lines for Knolkhol(*Brassica oleracea*var. *gongylodes* L.)

The project entitled **" Development of DUS guide lines for Knolkhol(*Brassica oleracea*var. *gongylodes* L.)"** sponsored by PPV&FRA, was initiated at Sher-e-Kashmir University of Agricultural Sciences & Technology (SKUAST-K),. The comprehensive work involved collection, characterization, evaluation, and selection of diverse germplasm lines from across J&K, Ladakhand various institutions of the country.

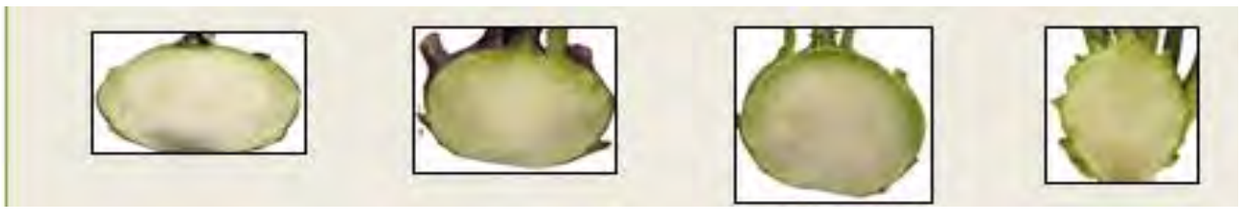
A total of 263 germplasm lines identified were systematically collected from 196 locations in Jammu and Kashmir, Ladakh and national institutions (ICAR, SAUs, NBPGR) of the country. The experimental field trials were laid out at Division of Vegetable Science, SKUAST-K and the collected lines were evaluated and documented for vegetative traits (leaf, knob, growth parameters).60 promising genotypes (discarded repetitions) were replanted for flowering and seed production under controlled conditions



Nursery



Field view



Variability in knob shape

4.9. Development of DUS testing guidelines for Karonda

During the period the exploration for newer genotypes was conducted in Punjab, Rajasthan Uttarakhand and UP. We had collected 8 genotypes of Karonda from various sources [i.e. three from GBPUA&T, Pantnagar (Uttarakhand); one from ANDU&T, Kumarganj (Ayodhya), two from ICAR-CAZRI, Jodhpur and two from Gonda (UP). The 40 germplasm of Karonda has been evaluated in the field gene bank (FGB) and morphological and fruit quality attributes have been characterized.

Although, the total no. of plants available in the farm is 117, [during 2024] but 113 tees came in bearing in no. 11 groups of the similar character have been made. Recorded 4 growth habit of the tree

i.e. spreading (in 78); semi spreading (in 29); erect (in 2); drooping (in 1). The colour of the fruits was green, white with pink blush, green with purple blush and maroon. The pink colour of fruits was recorded in 2 b) dark purple in 38 germplasm. The no. of seed per fruit was either 2 or more than 2 i.e. 7-10. The fruit weight was ranges from 2.66 – 5.96 g, pulp content was ranges from 87.226-99.358 %, no. of seeds ranges from 3.80-7.80; TSS ranges from 5.11-8.50 ^{0}B and acidity was recorded as 1.36-2.72 %.



1.Erect type tree of Karonda, 2. Colour of Fruits a) white with pink blush (GK-25) b) purple blush (GK-73) c) dark purple (GK-1) d) dark pink

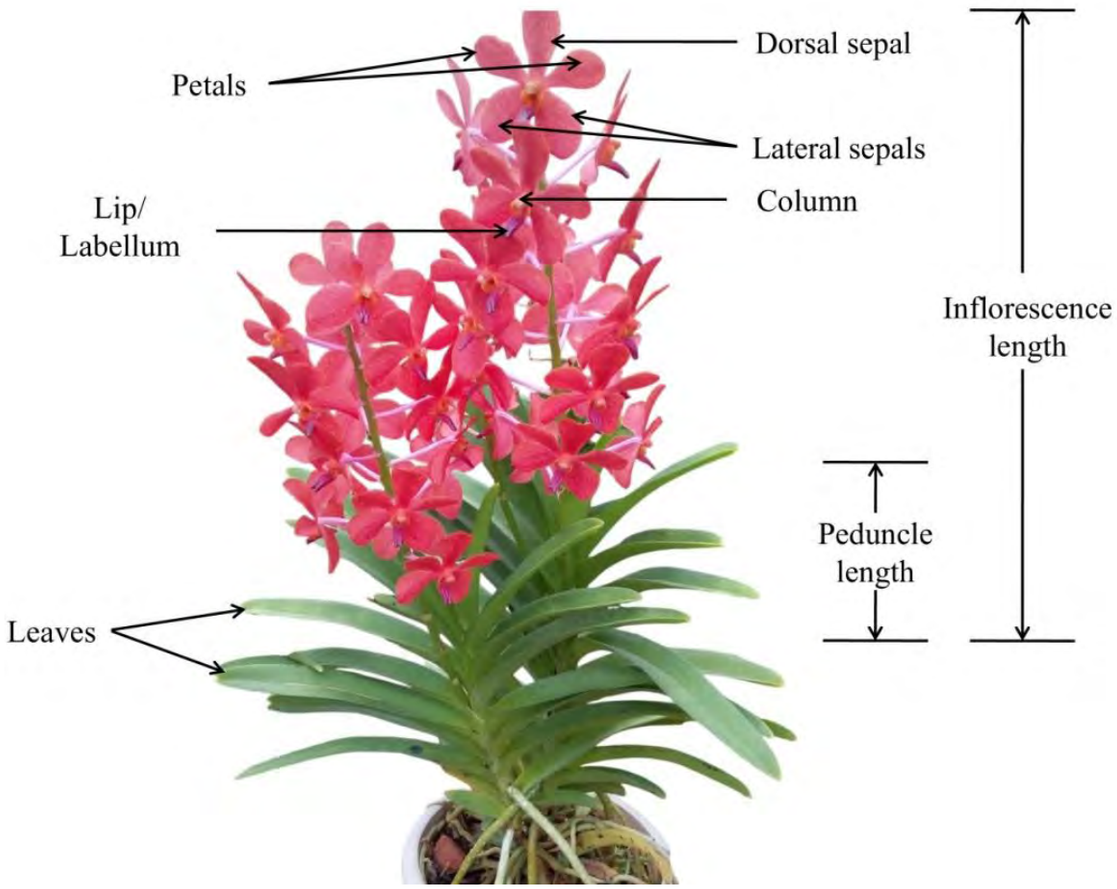


Fig 3. Flower colour a) white with pink corolla b) white with light green corolla

4.10. Development of DUS testing guidelines for ARANDA

The genus Aranda is a manmade genus that is a combination of 2 (Two) natural genera combinations of Arachnis (Syn. Arachnanthe, Arhychium, Armodorum and Esmeralda) × Vanda (Syn. Ascocentrum, Ascocentropsis, Christensonia, Eparmatostigma, Euanthe, Finetia, Gunnaria, Neofinetia,

Nipponorchis and Trudelia) in the parental background. The test was carried out under protected conditions with 50% shade at an average temperature of 18-35 o C and 80-90% relative humidity ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination. The plants were grown in an 8-10 inches pot with a potting medium comprising of soilless medium (like coconut husk, coconut shells, charcoal pieces, leaf moulds, brick pieces and sphagnum moss etc.). DUS Test Guidelines of Aranda was developed using 50 morphological descriptors including leaf attitude, no of flowers/inflorescence, no. of branching /inflorescence, flower width, petal main colour and lip apical shape and lip apical lobe main colour as grouping characteristics.



Aranda Plant

4.11. Development of DUS testing guidelines for Rubber (*Hevea brasiliensis*)

During the project period, studies were carried out on validation of juvenile characters for formulating DUS testing guidelines of reference varieties (clones) of natural rubber tree (*Hevea brasiliensis*). Observations were recorded on quantitative and qualitative characters on leaf storey (shape, separation and external appearance), leaf blade (shape, luster, pubescence, undulation, apex,

base and attitude), leaflet (separation), petiole (orientation, shape and length), petiolule (attitude, angle, length and width) and pulvinus. Validation of mature characters in rubber clones for DUS testing was carried out in the fruiting season. The observation of fruit characters like fruit length etc. and seed characters like seed length and seed shape etc. of reference clones was also carried out for validating for DUS testing.



Plate 1: Branching pattern in reference clone of *Hevea brasiliensis*



Plate 2: Flower characters of clones RRII 105, RRII 422 and RRII 429



1a. Leaf shape 1b. Extra-floral petiolar nectary shap

4.12. Development of DUS testing guidelines for Pran (*Allium x cornutum Clementi ex Vis*)

A total of 33 qualitative and quantitative traits were assessed among 46 Pran (Allium sp.)accessions at different growth stages viz., S1 (Sprouting), S2 (Vegetative), S3 (Bulbil formation)and S4 (Harvesting and post-harvest) covering foliage, pseudostem, inflorescence and bulb-related

characteristics. The comprehensive assessment revealed substantial morphological Variability among the evaluated genotypes, reflecting a high degree of genetic and phenotypic diversity within the Pran germplasm maintained at SKUAST-Kashmir. Five key traits viz., foliage attitude, leaf colour, pseudostem development, inflorescence colour and bulb shape were identified as the primary grouping characters for classifying the genotypes based on distinct morphological expressions.





1. Inflorescence colour: Green Scales; Purple Scales
2. Number of bulblets per plant: Few; Medium; Many
3. Inflorescence form: Primary level of bulbil formation; Secondary level of bulbil formation
4. Pseudo-stem: Present; Absent

4.13. Development of DUS testing guidelines for Alstroemeria

During the year 2024–25, germplasm of 23 varieties of *Alstroemeria* was collected from various sources, including universities, nurseries and private companies (Table 1; Plate 1-2). The collected varieties were established in a replicated block design under a naturally ventilated polyhouse in October 2024. All standard cultural practices were followed to ensure proper crop establishment and growth.

The varieties commenced flowering in March 2025, after which DUS (Distinctness, Uniformity and Stability) characterization was carried out for the first year. Colour data were

recorded using the RHS Colour Chart (6th edition), which was recently procured for this purpose.



View of the garden



Visit of the task force members

4.14. Development of DUS testing guidelines for Makhana

A comprehensive evaluation of different Makhana (*Euryale ferox*Salisb.) germplasm was conducted at Bhola Paswan Shastri Agricultural College, Purnea, to study their morphological and yield-related parameters. The observations included the number of leaves per plant, length of petiole (cm), and diameter of leaf (cm) as indicators of vegetative growth. The flowering time, along with the number of flowers and fruits per plant, were recorded to assess the reproductive phase. Measurements of fruit length and diameter (cm), fruit weight (g), number of seeds per fruit, and seed weight per fruit (g) were taken to understand fruit development and seed set. Individual seed characteristics such as single seed weight (g), 1000-seed weight (g), seed shape, seed surface texture, seed diameter (mm), and seed coat thickness were also examined.

In addition, yield attributes were studied through seed (gurri) yield per plant (g and kg), plant population per hectare (at a spacing of 1.25 m × 1.25 m), and seed yield per hectare, expressed both in kilograms and quintals per hectare. The pop recovery percentage was also estimated to determine the efficiency of seed popping. These parameters collectively provide valuable insights into the distinct morphological and yield performance characteristics of various Makhana germplasm types studied at BPSAC, Purnea.



Light bronze (1)



Reddish brown (2)

Mature leaf colour



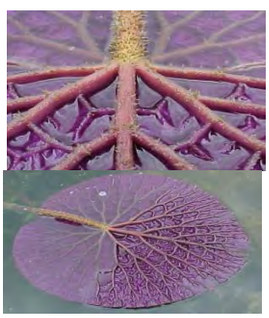
1: One day old leaf



2: Two days old leaf



3: Fully open leaf



4: Lower side of leaves

Flower:Flower disc colour of male flower



5: Flowers bearing plant of makhana



6: Fully open flowers of makhana



7: Size of makhana flowers



8: L.S. of makhana flowers

Fruits: Fruit shape



Fig. 9: Fresly harvested makhana fruits



Fig. 9: T.S. of makhana fruits



Fig. 10: Bursted fruit of makhana



11: Makhana seed



12: Makhana seed start germination in the month of December

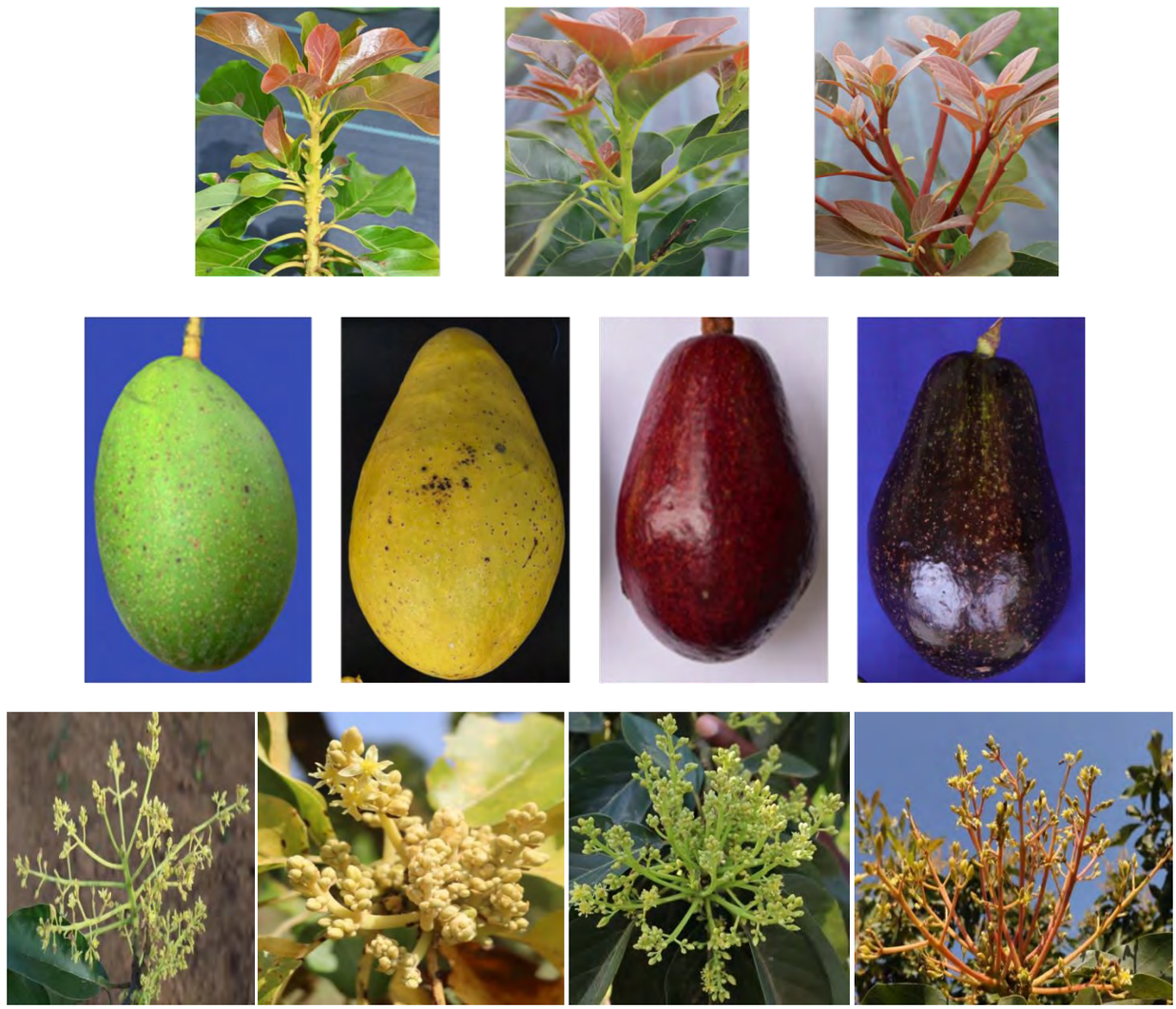


13: Final product of Makhana is pop

4.15. Development of DUS testing guidelines for Avocado (*Persea americana* Mill.)

The DUS testing guidelines for avocado were formulated after characterization of 50 avocado varieties for plant, leaf, flower, and fruit traits over two consecutive years (2022–2024) at the ICAR–Indian Institute of Horticultural Research, Central Horticultural Experiment Station, Chettalli, Kodagu, Karnataka. Among the 50 varieties, 23 were identified as example varieties for key characteristics. A total of 36 important, stable, and distinctive traits were identified, described, and elaborated in detail. Traits such as young twig colour, flower type, peel colour, peel thickness, fat content, and maturity period were identified as critical for grouping the varieties. Collectively, these traits provide a comprehensive framework for varietal differentiation, ensuring reliable identification and comparison among avocado varieties. Validation trials confirmed the reproducibility and reliability of these

descriptors. The outcomes of this project will serve as standard guidelines for the characterization, registration, and protection of avocado varieties. The two Task force committee meetings were held on 20th June 2025 and 16th October 2025 at CHES-Chettalli and CHES-Hirehalli respectively for finalizing DUS guidelines.



4.16. Development of DUS testing guidelines for Dragon Fruit (Selenicereus sp.)

The DUS testing guidelines for Dragon fruit were formulated after characterization of 40 Dragon Fruit varieties for plant, flower, and fruit traits over two consecutive years (2022–2024) at the ICAR–Indian Institute of Horticultural Research, Central Horticultural Experiment Station, Hirehalli, Tumkuru, Karnataka. Among the 40 varieties, 21 were identified as example varieties for important key characteristics. A total of 32 stable and distinctive traits were identified, described, and elaborated in detail. Traits such as young flower colour, peel colour, pulp colour and thorn traits were identified as critical for grouping the varieties. Collectively, these traits provide a comprehensive framework for varietal differentiation, ensuring reliable identification and comparison among avocado varieties. Validation trials confirmed the reproducibility and reliability of these descriptors. The outcomes of this project will serve as standard guidelines for the characterization, registration, and protection of

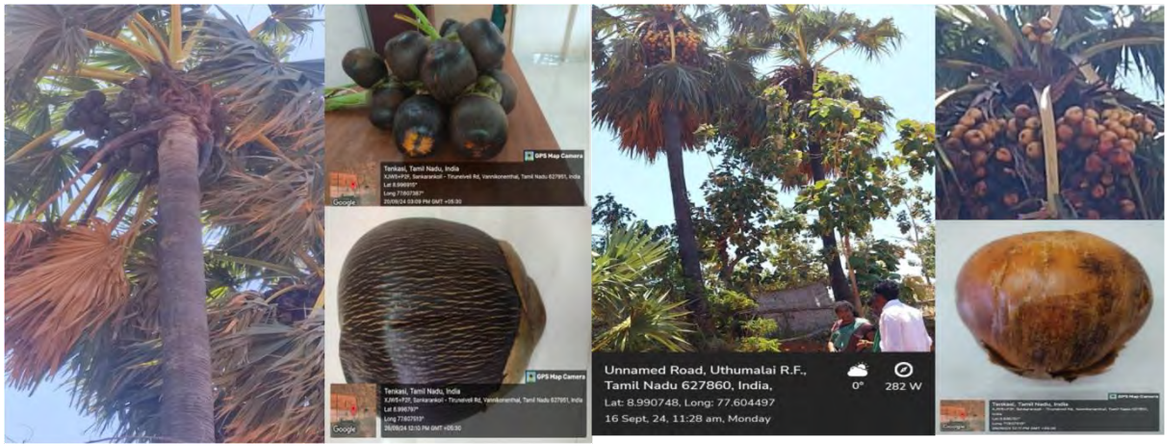
avocado varieties. The Task force committee meeting was held on 16 th October 2025 at CHES-Hirehalli for finalizing DUS guidelines.



4.1.17. Development of DUS guideline for Palmyrah

Durin the year 2024-2025 in Palmyrah 265 genotypes are being maintained at V O Chidambaranar Agricultural College and Research Institute, Killikulam, Tuticorin, Tamil Nadu among them morphological characters were recorded for 20 genotypes and field visit were also made to VOC AC & RI, Killikulam for reviewing the accessions and also to assess the biomarkers in Palmyrah. The study was undertaken to evaluate and characterize the morpho-biometric traits of palmyrah genotypes and to conduct phytochemical profiling of palmyrah Neera. Observation were recorded on various parameters, including plant growth characters, inflorescence characters, yield attributing characters, fruit quality characters and phytochemical traits Among the morphological traits, Acc.3 BH and Acc. 5 KK exhibited superior performance, particularly in terms of longer petiole length. The highest pulp recovery percentage was recorded in Acc. 18 AA, while maximum fruit weight was observed in Acc. 5 KK (1.62 Kg). Genetic divergence analysis revealed that Acc. 18 AA, Acc. 5 KK, Acc. 1 OD, Acc. 3 BH, Acc.26 AK and SVPR 1 collectively encompassed a broad range of traits, indicating a spectrum from elite productivity to significant genetic diversity.

Identified Two Distinct Types of Palmyrah Cultivars



Karuppu Kaichi – Cultivar **Vellai Kaichi – Cultivar**

4.1.18. Development of DUS guideline for Summer squash (*Cucurbita pepo* L.)

During the year 2024-25 characterization of Summer squash (*Cucurbita pepo* L.) genotypes was undertaken by the Division of Vegetable Science, ICAR-Indian Agricultural Research Institute, Pusa New Delhi. During the second year, 16 varieties/advanced breeding lines were collected from different institutes and universities, as well as from the Division of Vegetable Science, for DUS characterisation. The trial was laid out as per the DUS testing guidelines. The varieties/lines were evaluated in RBD design with three replications and 30 plants in each replication.The seeds were sown in 10.11.2024 and seedlings were transplanted in 08.12.2024 at a spacing of 60 × 60 cm.25 Agro-morphological characters for DUS testing of Summer squash were selected and data was recorded during the seedling stage, harvesting stage and flowering stage .

Trait: Leaf blade incision

Sr. No.	Leaf blade: incisions	Genotype
1	Absent or very shallow	Panjab Chappan Kaddoo-1, Pusa Pasand
2	Shallow	Patty Pan , Kashi Shubangi
3	Medium	Pusa Alankar
4	Deep	Pusa Shreyash
5	Very Deep	Australian green







Ripened Fruits of different genotypes of Summer squash



Young-Stage Summer Squash (*Cucurbita pepo* L.)

4.1.19. Development of DUS guideline for Lettuce (*Lactuca sativa* L.)

During the year 2024-25,characterization of Lettuce (*Lactuca sativa* L.) genotypes was undertaken by the Division of Vegetable Science, ICAR-Indian Agricultural Research Institute, Pusa New Delhi. During the second year, 15 varieties/advanced breeding lines were collected from different Institutes/Universities and from the Division of Vegetable Science for DUS characterization. The trial was laid out as per the DUS testing guidelines. The varieties/lines were evaluated in RBD design with three replications and 60 plants in each replication. 35 agro-morphological characters for DUS testing of lettuce were selected and data was recorded during the seedling stage, harvesting stage and flowering stage. Out of these lines, 3 heading (Great Lakes,Iceberg andAlamo -1), 10 leafy (Chinese Yellow, Phule Padma, Solan Kriti,Tango,Red Salad, Red rose DLS -13, DLS -50, DLS -90,Hara Patedar), one Butter head (Harit Baingani) and onecos/romaine types Red romaine have been identified .



Great Lakes **Iceberg** **Alamo-1**

Heading types of Lettuce



Chinese Yellow **Hara Patedar** **DLS- 90**

Leafy types of Lettuce



DLS-50 **DLS-13** **Tango**





Phule Padma **Solan Kriti** **Red Rose**





Red Salad **Harit Baingani** **Red Romaine**

4.1.20. Development of DUS testing guidelines of Tulips

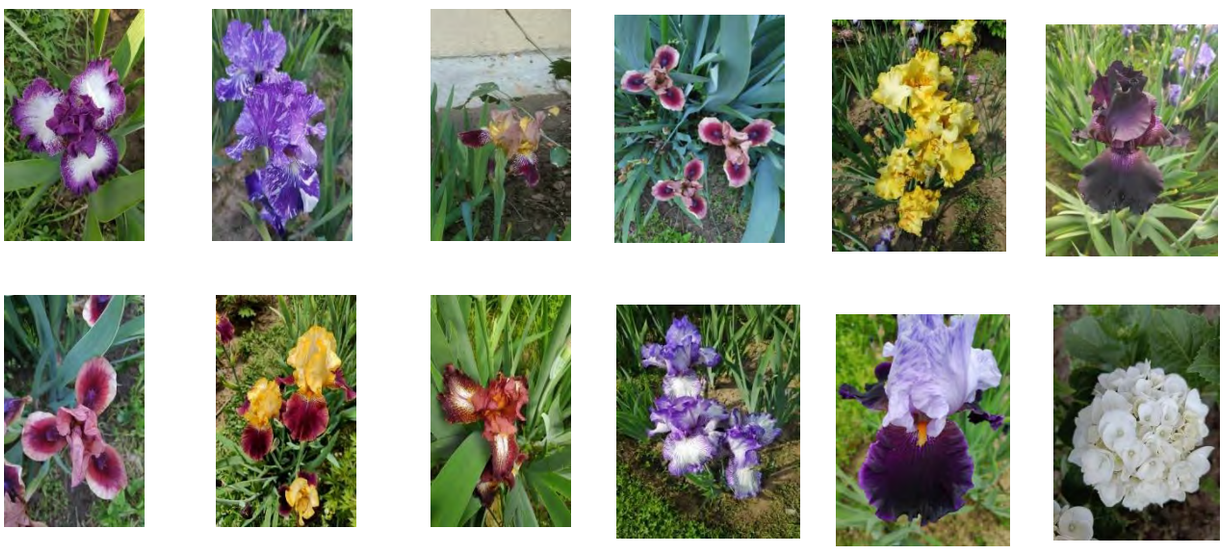
During 2024-25 , Evaluation of *Tulip* (*Tulipa sp.*) germplasm was carried out based on 27 qualitative and quantitative descriptors recorded at three developmental stages—S1 (Vegetative phase), S2 (Flowering phase), and S3 (Maturity phase). The study covered a wide range of morphological parameters involving foliage, stem, flower, and bulb characteristics. The observations revealed a broad extent of variation among the tulip genotypes examined under DUS testing at SKUAST-Kashmir, indicating considerable genetic and phenotypic diversity within the population. The major traits found useful for varietal grouping and identification included leaf form and variegation, stem pigmentation, flower shape and colour, tepal structure, plant stature, and bulb yield per plant.The overall evaluation under DUS testing highlighted distinctive morphological combinations that effectively separated the tulip genotypes from one another. The results establish a strong scientific base for the identification, registration, and protection of tulip varieties in accordance with the Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act, 2001, and contribute valuable information for the conservation and improvement of tulip germplasm.



4.1.21. Development of DUS testing guidelines of Iris

During the year a total of 26 qualitative and quantitative traits were assessed among the evaluated *Iris* (*Iris sp.*) genotypes across three distinct growth stages—S1 (Vegetative), S2 (Flowering), and S3 (Maturity)—covering morphological variation in foliage, floral, and bulb-related characteristics. The evaluation indicated considerable variability among the tested *Iris* varieties, reflecting a broad range of genetic and phenotypic diversity maintained under DUS testing at SKUAST-Kashmir. The primary grouping characters identified for classification included leaf colour, leaf arrangement, leaf shape, flower colour, flower shape, flower position, and bulb colour, which served as key differentiating traits for varietal distinctiveness .

The DUS characterization established distinct morphological profiles for each *Iris* genotype, enabling accurate identification of varieties based on measurable and observable descriptors. The findings provide a sound basis for the protection, registration, and conservation of *Iris* germplasm under the PPV&FR Act, 2001.



4.1.22. Development of DUS testing guidelines of Daffodils

Evaluation of *Daffodil* (*Narcissus sp.*) germplasm was undertaken based on 22 qualitative and quantitative descriptors recorded at three growth stages—S1 (Vegetative), S2 (Flowering), and S3 (Maturity). Observations were made on morphological parameters covering foliage, floral, and bulb characteristics. The results showed wide variability among the studied daffodil genotypes, reflecting considerable genetic and phenotypic diversity maintained under DUS testing at SKUAST-Kashmir. The major distinguishing traits useful for grouping and varietal identification included corona aperture, flower colour, leaf shape, flower form, bulb colour, and number of bulbs produced per plant.

Overall, the DUS evaluation of *Daffodil* genotypes demonstrated clear morphological distinctness among the entries tested. The identified differences in qualitative and quantitative traits provide a sound basis for variety characterization, registration, and protection under the Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act, 2001, while contributing valuable information for the conservation and genetic improvement of *Narcissus* germplasm.



5: Activities Related to Farmer

TRAINING-CUM-AWARENESS PROGRAMMES

The Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA) conducts various Training-cum-Awareness programme on different provisions and sections of PPVFR Act, 2001 and its Rules and Regulations and provides financial assistance to the ICAR Institutes, IARI, Central Agriculture Universities (CAU), State Agricultural Universities (SAU), Affiliated Colleges/Institutes of CAU/SAU and other government or non-government organizations (NGO) for the organization of such kind of programme for the benefit of Agriculture Scientists/ Researchers/ Scholars/ Students/ Farmers and other stakeholders. During the reporting period of 2024-25 the PPVFR Authority has funded Rs. 66,75,563/- (Rupees Sixty-Six Lakh Seventy-Five Thousand Five Hundred Sixty-Three Only) for organization/co-organization of such kind of programme. The PPVFR Authority organized/co-organized the following activities during 2023-24;

Training cum Awareness Programmes and other activities organized/co-organized during 2024-25			
Sr. No.	**Activities**	**Fund allotted**	**Total**
1.	Awareness-cum-Training Programme	Rs. 1,97,85,000/-	89
2.	Exhibition & Fair	Rs. 25,44,220/-	16
3.	Seminar/Symposium/Conference	Rs. 24,96,138/-	10
	Grand Total	**Rs. 2,48,25,358/-**	**115**

Details of Training-cum-awareness programme

1. **Training-Cum Awareness Programme on Protection of Plant Varieties and Farmers' Rights Act, 2001 And Agrobiodiversity Exhibition at Chilpi Ghati, Kaverdha, Chattisgarh held on 20-21st July, 2024.**

Field Visit to orchids farm at Ambica Biotech Raipur

Dr. T. Mohapatra, Chairperson, PPVFR Authority, New Delhi accompanied by Dr. Girish Chandel, Hon'ble Vice Chancellor, IGKV Raipur visited Ambica Biotech, Tarra village, Raipur to see the Orchid cultivation and management of the Nursery. Dr. D.K. Agarwal, Registrar General, Dr Ravi Prakash, Technical Consultant, of the PPVFR Authority, New Delhi and Dr. Deepak Sharma, Prof. & Head G&PB, IGKV Raipur, were also part of the team. Mr and Mrs Choudhary explained the maintenance of Orchid plants and management of supply chain. More than ten popular varieties of Orchids are being grown under protected condition. The cut flowers are being supplied to the local buyer and also to the other part of the country. In addition to Orchid farming, a unit for processing of charcoal and vinegar from wood and other agri - wastes was shown along with the products being supplied to the farmers to enrich the soil health.



Meeting with the His Excellency Governor of Chhattisgarh



A courtesy visit was paid to His Excellency Shri Biswabhusan Harichandan, Governor of Chhattisgarh on 20th July, 2024 afternoon. Dr. T. Mohapatra, Chairperson, Dr. D.K. Agarwal, Registrar General, of the PPVFR Authority, New Delhi along with Dr. Girish Chandel, Vice Chancellor and Dr. Deepak Sharma, Prof. & Head G&PB, IGKV Raipur, met Hon'ble Governor at Governor House. Dr Mohapatra briefed about the activities of the Authority and explained the importance of PPVFRA for registering varieties and protection of farmers' Rights. A booklet on Farmers Rights published by PPVFRA was also presented. His Excellency appreciated the work of the Authority specially the registration of Farmers Varieties and advised to conduct the awareness program in every part of the country especially in the tribal dominated areas where tribal farmers are still dependent on local varieties and land races. He also agreed to the request to grace the program on protection of plant varieties and farmers rights to be organized in near future in Chhattisgarh.

Participation in the Awareness Programme and Agrobiodiversity Exhibition



A training-cum-awareness Programme and Agro-biodiversity Exhibition was organized on 21st July, 2024 in collaboration with the Indira Gandhi Krishi Viswavidhalya, Raipur in the Auction hall of Van Vibhag at Chilpi Ghati, Kabirdham District, Chattisgarh. The programme started with the welcome address by Dr. Deepak Sharma, Prof. & Head G&PB, IGKV Raipur. Dr. Ravi Prakash, Technical Consultant, PPVFRA elaborated on the various provisions of the farmers rights and process of registration of Farmers varieties. During the interaction and sharing of experience the PGSC Awardee farmers Shri Shiv Kumar Chandravansi, Karvadha, highlighted the difficulties being faced by the farmers in carrying out conservation activities and requested for financial support for the gene bank and in-situ conservation. Dr S.R.K. Singh, Director, ICAR – Agricultural Technology Application Research Institute, ATARI – Jabalpur, M.P., highlighted the importance of traditional varieties and informed that ATARI and KVKs this Zone will work together towards conservation and registration of these varieties.



Dr. Dinesh Kumar Agarwal, Registrar-General, of the PPVFR Authority in his special address highlighted various provisions under the PPVFR Act, 2001 and appealed to the farmers to come

forward for filing of application to register their varieties and avail the other benefits of the farmers rights under the PPVFR Act, 2001.

Dr. T. Mohapatra, Chairperson, of the PPVFR Authority, New Delhi in his address as Chief Guest highlighted the role of farmers particularly in tribal areas, in conservation of traditional varieties and land races. He shared the importance of protection of farmers' varieties in realization of benefits following commercialization and creation of value chain. He cited the example of Jackfruit farmer of Karnataka State.



The program was attended by more than 100 farmers, students from nearby school, Gram Pradhan of Chilipi Ghati, representatives of KVKs, officer from state Agriculture department of Chhattisgarh and members of the Kabirdhaam Krishak Kalyan Samooh Dhawaipaani, Chilphi ghati. During the function 88 applications on rice varieties from Dhanwantari Vidha Seva Sansthan, Jagdalpur and 86 applications of rice, millets, pulses, oil seeds, vegetable and meditational plants from Kabirdham Krishak Kalyan Samooh, Dhawaipaani were also submitted. An exhibition was arranged where traditional varieties of rice and vegetable crops were displayed by the farmers. Programme ended with a vote of thanks by Dr. Tripathi, Program coordinator, KVK, Kabirdham District, Chhattisgarh.







दैनिक भास्कर रायपुर, सोमवार 22 जुलाई, 2024 | 06

किसानों को बताए गए उनके अधिकार

रायपुर | कृषक अधिकार प्राधिकरण भारत सरकार और इंदिरा गांधी कृषि विश्वविद्यालय ने कृषक अधिकार जागरूकता कार्यक्रम का आयोजन किया गया। इसमें किसानों को विभिन्न प्रजातियों के पौधों का रजिस्ट्रेशन कराने के लिए प्रेरित किया गया। कार्यक्रम में डॉ. त्रिलोचन महापात्र ने रजिस्ट्रेशन की जानकारी दी। डॉ.दिनेश अग्रवाल ने बताया कि अब तक पंजीकृत 7600 किस्मों में से 53 प्रतिशत किस्में किसानों की हैं। डॉ. रविप्रकाश और डॉ. एसआरके सिंह ने किस्मों व सुरक्षित रखने की जानकारी दी।



03

पौधों की किस्म संरक्षण और कृषक अधिकार के बारे में जाना किसानों ने


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पौधा किस्म संरक्षण के प्रति
किसानों को किया जागरूक

2. **Participation of PPVFR Authority in the Annual Zonal Workshop for KVKs of Zone V (A&N Islands, Odisha & West Bengal) and in the workshop and Training-Cum Awareness Programme on PPVFR Act,2001 at KVK PURI on 27th to 28th August, 2024.**



Protection of Plant Varieties and Farmers Rights Authority participated in the Annual Zonal Workshop for KVKs of Zone V (A&N Islands, Odisha & West Bengal), ICAR-Agricultural Technology Application Research Institute, Kolkata on Tuesday, 27 August, 2024 organized by Odisha University of Agriculture and Technology at Puri. The program was inaugurated by Dr. T. Mohapatra, Former Director General of Indian Council of Agricultural Research and the Chairperson, PPVFR Authority New Delhi. Dr. Mohapatra in his address complimented the Director, ATARI, Kolkatta as well their colleagues and OUAT, Bhubaneswar for organizing the Zonal Workshop. He appreciated the KVKs for their excellent efforts in disseminating various technology among the Farmers and promoting local farmers' varieties in view of their greater adaptiveness and better nutritional quality.



Prof. P.J. Mishra, Dean, OUAT welcomed the guests and dignitaries participated the programme and, Dr. Pradip Dey, Director, ICAR-ATARI, Kolkata presented an overview of KVKs of Zone V. During the program Dr. R.R. Burman, ADG (AE), ICAR, New Delhi, Directors of, ICAR - NRRI, Cuttack and ICAR-CIFA, Bhubaneswar addressed the gathering. Prof. Gautam Saha, Vice Chancellor, BCKV addressed as Guests of Honour. Workshop was chaired by Prof. P.K. Roul, VC, OUAT, Bhubaneswar. In his presidential address Dr Roul highlighted the importance of Zonal Workshop and thanked ICAR-ATARI for organising the workshop in the state of Odisha.



Training cum awareness programme on PPVFR Act 2001

In a workshop on the Protection of Plant Varieties and Farmers' Rights Act (PPV&FRA) 2001, experts

from across the agricultural sector came together for encouraging farmers to come forward for registration of indigenous varieties. The event, held at KVK Puri, witnessed participation of farmers that underscored the importance of preserving and monetizing traditional crop varieties.

Dr. Pradip Dey, Director, ICAR-ATARI, Kolkata opened the workshop by outlining the objectives and appreciating the farmers who brought indigenous seeds from various regions. He thanked the contributors who worked tirelessly to make the event a success. Dr. Ravi Prakash, Tech. Consultant, PPV & FRA, provided an insightful overview of the PPV&FRA's genesis, emphasizing the procedures for registering indigenous varieties and their impact on agricultural sustainability. He also highlighted the benefits of the Act for farmers and shared details about the recognition and rewards granted to Odisha under this scheme. Dr. Dayanidhi Mishra, DPME & Convenor, Technology Management, OUAT, commended the KVK Puri staff for their dedication in growing and supplying Tulsi and Lotus to Lord Jagannath. He shared a various provisions of the PPVFRA Act in local language, emphasizing its benefits and the importance of registering traditional crop varieties. He noted that Odisha leads India in the number of registered indigenous varieties under this Act. Dr. D. K. Agrawal, Registrar General, PPV&FRA, praised the inherent value of seeds and discussed the range of benefits available to farmers under the PPV&FRA. He reaffirmed the commitment of PPV&FRA authorities to register indigenous varieties and called upon farmers to bring various crops, for registration. Dr. R. R. Burman, ADG (AE), ICAR, encouraged more farmers to register their indigenous varieties, revealing that ICAR plans to conduct similar workshops across different zones. He emphasized the importance of special training programs for scientists of KVKs to streamline the registration process and urged for special efforts on marketing these unique varieties. Appreciating the efforts of Dr Surya Narayan Mishra, SS&H, KVK, Puri. Dr. M. M. Adhikari, Former, VC, BCKV, called for more farmers to engage in the registration process actively. Dr. Goutam Saha, Hon'ble VC, BCKV, highlighted the significance of conserving indigenous varieties and urged farmers to understand the purpose of their participation in such events. Prof. P. J. Mishra, Dean, Extension, Education, OUAT, emphasized on the financial gains possible from preserving indigenous varieties, encouraging farmers to meticulously document their special characteristics, which could yield substantial returns post-registration.

In an engaging interaction with the farmers, Dr. Trilochan Mohapatra, Chairperson, PPV&FRA, lamented the extinction of many traditional varieties and underscored the importance of the PPV&FRA. He shared inspiring examples of farmers profiting significantly from the registered varieties and urged KVKs to develop effective marketing strategies, including branding, for better pricing of indigenous crops. He lauded the demonstration units maintained at KVK, Puri and advocated for fostering strong relationships that lead to greater empowerment through dissemination of information.



Dr. P. P. Pal, Principal Scientist, ICAR-ATARI, Kolkata, praised the efforts of all the speakers for making the provisions of the Act more comprehensible to farmers. He encouraged them to spread awareness among their peers, bringing more farmers into the fold of this Act. He also appreciated the leadership of Dr. Surya Narayana Mishra, SS&H of KVK Puri and his team in organizing the event. During the program more than 60 farmers specially women farmers submitted the application for registration their varieties. Dr Santosh Kumar, Head & Senior Scientist ICAR-KVK, Nicobar submitted 10 applications

of traditional varieties of chilly conserved by community of Nicobar tribal farmers from Nicobar district, A & N Island.

An exhibition was arranged by the KVK Puri to showcase their activities by displaying live material and seeds of traditional varieties of their respective areas. The PPVFR Authority also participated in the exhibition and displayed posters on activities/ provisions of PPVFR Act; 2001.The programme was attended by more than 100 farmers and representatives of KVKs functioning under the ICAR-ATARI, Zone–V, Kolkata, West Bengal. The Technology demonstration unit at KVK, Puri was inaugurated by Dr T. Mohapatra, Chairperson, PPV&FRA and field visit was made to the KVK farm Dr. Surya Narayana Mishra, SS&H of KVK Puri and other scientist explained about the activities being undertaken at KVK. The workshop concluded with a formal vote of thanks, wrapping up a day filled with valuable insights and a renewed commitment for protecting the rights of farmers and preserving the rich biodiversity of Odisha's indigenous varieties.



3. **Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), New Delhi participated in a special session on Protection of Plant Varieties and Farmers' Rights organized during Annual Zonal Review Meeting of KVKs of Zone-IV on 31.08.2024.**

Agricultural Technology Application Research Institute (ATARI), Patna invited Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA) to participate in a special session on Protection of Plant Varieties & Farmers' Rights on 31st August, 2024 at Bihar Agricultural University (BAU), Sabour, Bihar.







Dr. Trilochan Mohapatra, Chairperson, PPVFRA chaired the session. Dr. U.S. Gautam, Deputy Director General, Agricultural Extension ICAR was present as the Chief Guest. The session was also attended by Dr. Dinesh K. Agarwal, Registrar-General, PPVFRA, Dr. Anjani Kr. Singh, Director, ATARI Patna, Dr. P.K. Chakraborty, Ex-Member

ASRB, Dr. Sain Das, Ex-Director, Indian Institute of Maize Research, Ludhiana, Dr. R. K. Sohane, Director, Director Extension Education of Bihar Agricultural University (BAU), Sabour, Dr. R. K. Singh, Deputy Director Extension Education of BAU, Sabour. The programme was also attended by the Heads and Scientists of 68 KVKs of Zone-IV from the states of Jharkhand and Bihar. A good number of farmers also participated in the event. The guests were accorded a warm welcome to this special session by Dr. R. K. Sohane, Director, Extension Education, Sabour in his welcome address, highlighted the vast agro-biodiversity available in the State of Bihar and presented the extension activities and achievements of the university to the august gathering. Dr. Dinesh K. Agarwal, Registrar-General, PPVFRA highlighted the importance of mapping and registration of farmers varieties of the region. He gave a detailed presentation on PPVFR Act, 2001, establishment and functioning of the authority, farmers rights, and farmers varieties & their registration process. He exhorted all the heads and scientists of KVKs and the ATARI, Patna to take an initiative in collaboration with PPVFRA to map and facilitate the registration of farmers varieties of their region. He assured KVKs and ATARI, Patna of full technical and financial cooperation from PPVFRA in this activity. Dr. U.S. Gautam, Chief Guest of this session welcomed the initiative taken by PPVFRA for close collaboration with Extension Division to address the important issue of registration of farmers varieties. He emphasized on the need to strictly adhere to the work plan decided during the interface meeting of PPVFRA and Extension Division of ICAR. He further assured full cooperation from Extension Division of ICAR HQ and ATARIs to fulfil the goal of mapping and registration of farmers varieties of the country.

Dr. T. Mohapatra, Chairperson, PPVFRA in his presidential remarks profusely thanked the hosts, BAU, Sabour & ATARI Patna and Dr. U.S. Gautam, DDG Extension for organizing special session on registration of farmers varieties during the zonal workshop. Dr. T. Mohapatra in his remarks, highlighted the benefits involved in registration of farmers varieties and exhorted the farmers present in the event to come forward to get their varieties protected with PPVFRA. He called upon the Heads and Scientists of KVKs to make special efforts towards mainstreaming of farmers' varieties by helping in creation of marketing channels and also the conservation and seed production of these varieties through establishment of Community Seed Banks. On this occasion a number of applications of farmers varieties (more than 100) were also submitted to Dr. T. Mohapatra, Chairperson, PPVFRA. An exhibition on Agro-biodiversity of the region and commercialisation of traditional products organized at the occasion was also inaugurated by him.



4. **Training-Cum Awareness Programme on Protection of Plant Varieties and Farmers' Rights Act, 2001 for the farmers of Madhya Pradesh on 25.09.2024 at Plant Authority Bhawan.**





A training-cum-awareness programme on Protection of Plant Varieties and Farmers Rights Act, 2001 was organized in collaboration with CATAT, ICAR-IARI New Delhi on 25th February, 2024 at Training Hall of the Plant Authority Bhawan, New Delhi for the farmers of Jabalpur, Madhya Pradesh. The training programme started with the welcome of the farmers and dignitaries. Dr. Dinesh Kumar Agarwal, Registrar-General, PPVFR Authority welcomed the Chairperson, PPVFRA, Dr. T. Mohapatra and in his introductory address he highlighted about the organization of the first training programme for the farmers in the new office building, Plant Authority Bhawan, New Delhi. He appealed to the farmers to come forward for filing of application to register their varieties and avail the other benefits of the farmer's rights under the PPVFR Act, 2001.

Dr. T. Mohapatra, Chairperson, PPVFR Authority, New Delhi in his inaugural address highlighted the role of farmers in conservation of land races and the importance of biodiversity conservation in achieving the sustainable development goals. He emphasized on branding of farmers' varieties and building market linkage to take full advantage of their special traits such as higher level of micro-nutrients and unique tastes after their protection by way of registration with PPVFR Authority.



Sh. Uma Kant Dubey, Deputy Registrar made a presentation on various provisions under PPVFR Act, 2001 and highlighted the importance of traditional varieties and the need to protect those according to the legal framework provided under the Act.

Dr. Ravi Prakash, Technical Consultant, PPVFRA made a presentation and elaborated on various provisions of the farmers' rights under the Act 2001, and explained about filling the application for registration of farmers' variety. During the interaction and sharing of experience, the resource farmers spoke about the varieties maintained by the farmers and thanked the PPVFRA for organizing such programme for the benefit of the farmers. He expressed his happiness to get the opportunity to attend the short training. The Programme ended with the vote of thanks to the farmers and to CATAT, ICAR-IARI for bringing the farmers for awareness and training at the PPVFR Authority.

5. **Awareness Programme on PPV & FR Act, Fruit Diversity Show and Field Day on Mangosteen and Rambutan" held at CHES, Chettalli on 19th October 2024**

The Society for Promotion of High-Value Exotic Horticultural Crops, Central Horticultural Experiment Station (ICAR-IIHR), Chettalli, in collaboration with the Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA), organized an "Awareness Programme on the PPV&FR Act, Fruit Diversity Show, and Field Day on Mangosteen and Rambutan" on 19th October 2024 at CHES-Chettalli. Dr. T. Mohapatra, Chairperson, PPVFRA was the Chief Guest on

this programme and Dr. T.K. Behera, Director, IIHR, Bengaluru presided over the proceedings. The scientist and experts who took part in the programme included Dr. Sankaran, M., Principal Scientist & Head, Div. Fruit Crops; Dr. Naveen Kumar, P., Principal Scientist & Head, Div. of Flower and Medicinal Crops; Dr. Sreenivasa Rao E., Principal Scientist; Dr. T.H. Singh, Principal Scientist; Dr. Vasugi, C., Principal Scientist; Dr. Karunakaran, G., Principal Scientist; Dr. Sumangala H.P., Principal Scientist; Dr. Abirami, K., Principal Scientist; and Dr. Sridhar Gutam, Principal Scientist, all from IIHR, Bengaluru; Dr. Muralidhara B.M., Scientist, CHES-Chettalli; Dr. Rani A.T., Scientist, CHES-Chettalli; Mr. Prabhakara, B., Head & SMS, KVK, Gonikoppa; Mr. Bose Mandanna, Progressive planter; Mr. Ravishankar, B.P., Progressive planter; and Mr. Poonacha, N.N., Progressive planter.

The meeting commenced with a field visit and an avocado planting ceremony, led by the Director of ICAR-IIHR, Bengaluru, along with distinguished guests. The first plant of the Avocado reference collection garden was planted by the Chief Guest Dr. T. Mohapatra. This was followed by an exhibition featuring a wide range of exotic and wild fruit crops, including varieties of rambutan, mangosteen, avocado, etc,. Over 38 farmers from the region showcased their traditional and exotic fruit germplasm and more than 300 participants witnessed demonstrations on the cultivation practices of these high-value crops, emphasizing the importance of sustainable horticultural practices and the conservation of diverse fruit crop plant varieties. It was worth noting that Ms. Maithreye MS, pursuing MBA degree, who is from the village Nariyandada of Madikeri Taluk, South Coorg , Karnataka, explained the fruit crop diversity in her farmer's field, being herself involved in the conservation of a variety of local & exotic fruit crops.



Dr. Sankaran M., Principal Scientist & Head, Div. Fruit Crops, ICAR-IIHR, Bengaluru, delivered the welcome address, emphasizing the role of CHES-Chettalli in advancing horticultural innovations, particularly with respect to fruit crops like mangosteen and rambutan, which are gaining significance in India. Shri Bose Mandanna, Progressive planter, highlighted the need for farmers to diversify their farms with traditional and exotic fruits, especially in the context of climate change. He also stressed the importance of forming Farmers' Producer Organisations (FPOs) to better market their produce and increase farm income.



Prof. T.K. Behera, Director, ICAR-IIHR addressed the gathering, focusing on the critical importance of farmers' rights and the necessity of conserving and promoting plant varieties. This was followed by the signing of Memorandum of Understanding (MoUs) with Shloka Agro Pvt. Ltd. for the licensing of the rambutan variety Arka Coorg Arun, and the release of farmers' varieties of jackfruit – Harigold and Thirumala.

The Chief Guest, Dr. Trilochan Mohapatra, Chairperson of the PPV&FR Authority, delivered an insightful address on the significance of the Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act, particularly in safeguarding the intellectual property rights of farmers and ensuring their fair share of benefits through well-defined Access and Benefit

Sharing (ABS) mechanism. He underscored the need for active participation by farmers and young students in the conservation of biodiversity.

Extension folders on the cultivation of rambutan and mangosteen were released during the event, followed by the felicitation of progressive farmers who have made notable contributions to the cultivation and promotion of wild native and high-value fruit crops.

In the technical session, Dr. Vasugi C., Principal Scientist, provided insights into the PPV&FR Act, while Dr. Muralidhara B.M., discussed the production technology of mangosteen and rambutan. The day concluded with a productive interaction between farmers and scientists, where challenges were addressed, knowledge was shared, and expert advice was offered on the cultivation of exotic horticultural crops. The best exhibits by farmers were recognized with cash prizes, awards, and certificates.

The following recommendations emerged during the meeting:

1. Conservation of wild and native fruit species from the Western Ghats, along with exotic high-value fruits from humid tropical regions, should be prioritized, including the establishment of field gene banks for these crops.
2. Morphological and biochemical characterization of the germplasm of rambutan, avocado, and other minor fruit crops should be undertaken to identify unique germplasm.
3. Steps should be taken to document landraces and heirloom varieties from the Western Ghats.
4. Development of DUS (Distinctness, Uniformity, and Stability) testing guidelines for rambutan is necessary.
5. Farmers should be encouraged to submit applications for the registration of plant varieties under the Protection of Plant Varieties and Farmers' Rights (PPV&FR)
6. Act, as well as to apply for awards under various categories.
7. Efforts should be made to educate school and college students about the importance of biodiversity and the bio-economy.



6. Training cum Awareness Programme on the Protection of Plant Varieties and Farmers' Rights (PPVFRA) at DDS Krishi Vigyan Kendra, Zaheerabad, Telangana on 28th February, 2025

The ICAR - Agricultural Technology Application Research Institute (ATARI), Hyderabad, in collaboration with the Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), New Delhi, organized a Training-cum-Awareness Programme on the Protection of Plant Varieties and Farmers' Rights (PPV&FR) for KVKs of Telangana on February 28, 2025, at Deccan Development Society (DDS) Krishi Vigyan Kendra (KVK), Zaheerabad, Telangana.



The event began with the inauguration of an exhibition by Dr. Trilochan Mohapatra, Chairperson, PPVFRA, New Delhi. The venue held deep significance; located in the historic Deccan region of Telangana, where a dedicated community of over 5,000 Dalit and Tribal women from 50 villages in Zaheerabad has been

at the forefront of conserving and cultivating more than 80 indigenous seed varieties, safeguarding not only biodiversity but also traditional knowledge. The DDS has served as a crucial ally in the region, working hand-in-hand with these communities to promote sustainable farming practices.

Besides Dr. T. Mohapatra, as Chief Guest, several key dignitaries were present including Dr. D.K. Agrawal, Registrar of PPVFRA, Dr. Shaik N Meera, Director of ICAR-ATARI, Hyderabad, Dr. RA Sharma, Technical Consultant, PPVFRA and scientists from ICAR-IIRR and ICAR-IIMR, Hyderabad, in a program on Training and Awareness on PPVFR Act, 2001 focussing specifically on advancing indigenous crop varieties, including seed production and supply at regional level.



With active participation of both Scientists and farmers engaged in traditional seed conservation across 16 Krishi Vigyan Kendras (KVKs) in Telangana, the programme brought together an enthusiastic gathering of over 140 participants. The primary objectives of the event were to raise awareness about the importance of registering traditional varieties-many of which include millets, pulses, cereals, as well as horticultural and plantation crops-and to facilitate their legal protection under the Protection of Plant Varieties and Farmers' Rights Act (PPVFR Act). This initiative aimed to ensure that the invaluable work of farmers in preserving agro-biodiversity is formally recognized, protected, and rewarded for the benefit of both farmers and farmer communities.



All the experts present on the occasion briefly spoke about various aspects of PPVFR Act focussing on conservation of plant genetic resources and registration of farmers' varieties. Dr. Hari Prasanna K from ICAR-IIMR spoke about testing and registering of 59 small millet varieties, contributing to the formal recognition of indigenous crops. Dr. J. Aravind Kumar from ICAR-IIRR emphasized their ongoing activities and future plans for identifying and registering unique traditional rice varieties. Dr. Shaik N Meera, Director of ICAR-ATARI, Hyderabad, called for compulsory registration of traditional crops under the PPVFR Act and advocated for the use of QR codes and traceability systems to prevent bio-piracy and enhance farmer recognition. Dr. D.K. Agrawal, Registrar of PPVFRA, stressed the urgent need to establish seed banks to conserve biodiversity and ensure sustainability. All 16 participating KVKs were awarded appreciation certificates for their proactive involvement. A total of 100 applications for the registration of farmers' varieties under the PPVFR Act, 2001 were initiated through 16 Krishi Vigyan Kendras (KVKs) across Telangana. In recognition of their efforts in preserving traditional seeds, 23 farmers from different districts were felicitated for their work with

millets, pulses, cereals, and horticultural and plantation crops. Dr. T. Mohapatra praised the women farmers of the Deccan Development Society for conserving over 40 traditional crop varieties, underscoring the importance of preserving them for future generations.

Felicitation Mrs. M. Chandramma & Mrs. M. Laxmamma from the Community Seed Bank of Deccan Development Society for their contribution to seed conservation

National Conference

PPVFRA Participated in the National Conference on "Managing Agro-Biodiversity in North Eastern India 2024 (NCMAN 2024) "organized by Indian Society of Plant Genetic Resources (ISPGR) in Shillong, Meghalaya from 23rd-25th, October, 2024.



North-eastern Region of the country is known to harbor tremendous plant and animal biodiversity. The region possesses a diverse climate, varying from tropical to alpine, favorable for the existence of diverse plant species, including wild and cultivated species. Hence, the region is designated as a 'hot spot' for biodiversity. ISPGR organized the NCMAN 2024 with broad objectives *viz*., (i) provide an opportunity to researchers, academicians, policy makers, students and farmers to present their research results, views and suggestions relating to current developments in the area of genetic diversity management (ii) sensitize all the stakeholders for innovative conservation and utilization of the diverse genetic resources of the region for sustainable agriculture and (iii) to deliberate and develop the way forward for genetic resources-led livelihood and nutritional security for resource-poor farmers and consumers.



The NCMAN 2024 was inaugurated by H.E. The Governor of Meghalaya, Shri C.H. Vijay Shankar. The inaugural session was presided over by Padma Bhushan Dr. R. S. Paroda, President, ISPGR. Dr. Trilochan Mohapatra, Chairperson, PPVFRA along with other distinguished dignitaries was present as the Guest of Honour. Hon'ble Governor in his inaugural speech highlighted the enormous agro-biodiversity present in the North-eastern States and emphasized the need to create awareness among the general public and the organizations. He stressed upon the need to have an implementable plan for the agro-biodiversity conservation and its sustainable use. He exhorted the researchers and policy planners alike to come out with a clear road map through the deliberations in



the course of the conference. Dr. Mohapatra in his remarks as Guest of Honour, highlighted the immense potential the North Eastern States have as reservoir of plant and animal biodiversity. He further gave insights into the role of PPVFRA in conserving farmers' agro-biodiversity and extending the associated financial benefits to the farming community by citing a few example.



A keynote address covering entire gamut of agro-biodiversity of North Eastern States and its utilization by Dr. R.S. Paroda was the highlight of the opening day proceedings. Dr. Mohapatra, who chaired this session further delineated the fact that although the region shares only 7.7% of India's geographical area, but it contributes 21.67% of the national forest cover, 50% (8000 species) of the flowering plants, 39% (7,000 plant species) of higher plants, and 37% (300 species) of the wild edible plants in India. He stressed upon the need for a special effort by way of networking among the institutions and universities in the region for promoting biodiversity conservation and its sustainable use in the region with state-wise action plans.



Protection of Plant Varieties and Farmers' Rights Authority participated in NCMAN 2024 and a special session on the sub-theme "Access, Exchange, Benefit Sharing and IPR Systems" was convened at the behest of PPVFRA. Various issues related to biodiversity conservation and its use were discussed in the session with a focus on protection of plant varieties.

In the special session on "Access, Exchange, Benefit Sharing and IPR Systems" on 24th October, 2024 which was convened by Dr. Dinesh K. Agarwal, Registrar-General, PPVFRA. The session was co-chaired by Dr. T. Mohapatra and Dr. P.L. Gautam. The lead lecture on Role of PPVFRA in Biodiversity Conservation and Use was delivered by Dr. Dinesh K. Agarwal, Registrar-General, PPVFRA. In his talk,



Dr. Agarwal presented the various facets of Intellectual Property Rights (IPRs), their inception in agriculture, genesis and functions of PPVFRA, its role in conservation of farmers varieties, instances of successful main-streaming of farmers' varieties, and the future course of actions envisaged by PPVFRA in further facilitating the agro-biodiversity conservation and providing farmers with the access to the markets. The other topics that were covered in this session included:

- Status and Prospect of GI crops in North-Eastern India by Dr. V.K. Mishra, Director, ICAR-RCNEH, Umiam, Meghalaya
- Commercialization of plant varieties under public research systems by Dr. Praveen Malik, CEO, AgriInnovate, ICAR, New Delhi

- Flagging the issues of animal biodiversity in North Eastern States by Dr. G. Kadirvel, Director, ICAR-ATARI, Guwahati, Assam
- Flagging the issues with farmers for adopting agrobiodiversity in local food systems (Assam, Arunachal Pradesh, Sikkim) by Dr. K. Noren Singh, Professor, CPGS-AS, CAU, Umiam, Meghalaya
- Flagging the issues with farmers related to medicinal & aromatic crops by Dr. Mohan Lal, Principal Scientist, CSIR-NEIST, Jorhat, Assam
- Issues related with Digital Sequence Information by Dr. Sunil Archak, Principal Scientist, ICAR-NBPGR, New Delhi



An exhibition to display the agro-biodiversity of the region was also organized at the occasion of NCMAN 2024.

Participation in Indian Orchid Festival, Awareness Programme on PPVFR Act and Meeting of the Orchid Task Force at NRC Orchids, Sikkim during 2nd- 3rd March, 2025

The ICAR-National Research Centre for Orchids (ICAR-NRCO), Pakyong, Sikkim, hosted the first-ever Indian Orchid Festival from March 1 to 4, 2025. The program was marked by a special session inaugurated by Dr. Trilochan Mohapatra, Chairperson, Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA), New Delhi on 2nd March, 2025. In his address, Dr. Mohapatra sensitized the gathering on the importance of registering indigenous orchid varieties to ensure legal safeguard on them. On this occasion, new orchid hybrids and official publications of ICAR-NRCO were also formally released. The session was graced by Dr. D. K. Agarwal, Registrar General, PPVFR&A, Dr. K. V. Prasad, Director, ICAR-DFR and officials from the district administration. In parallel, an awareness session on the orchid cultivation and IPR issues was conducted for the benefit of regional growers. On 3rd March 2025, the session began with an address by Shri Purna Gurung, Hon'ble Minister of Agriculture, Horticulture, Fisheries, and Animal Husbandry, Government of Sikkim, followed by the release of value-added products developed by ICAR-NRCO. Third day program included a technical session on the awareness and training on Protection of Plant Varieties and Farmers' Right Act by the experts from PPVFR&A, New Delhi, where growers and industrialists attended and benefited. A significant institute-indust ry stakeholders' meet was also held, resulting in the signing of four MoUs between ICAR-NRCO and key players such as Mahyco Pvt. Ltd., Darjeeling Gardens, KF Bioplants, Rhynco Orchids, Eunioa





Orchids, Smartogenic Pvt. Ltd., Orchid Societies of NE states, Andaman & Nicobar Islands, and the Neotia University. There was an Orchid diversity show in which many different colorful orchids were exhibited. Dr. S. Das, Director, NRC Orchid accompanied the team and explained various orchid species and hybrids displayed in the exhibition.



A meeting of the Task Force (14/2024) for the finalization of the DUS (Distinctness, Uniformity, and Stability) Test Guidelines for Mokara orchid was held on March 03, 2025, in the Conference Hall, ICAR-NRCO, Sikkim, under the Chairmanship of Dr. K. V. Prasad, Director, ICAR-Directorate of Floricultural Research, Pune, Maharashtra. The meeting was also graced by Dr. T. Mohapatra, Chairperson, PPV&FRA; Dr. D. K. Agarwal, Registrar General, PPV&FRA; and Dr. S. P. Das, Director, ICAR-NRC for Orchids, as special invitees. The meeting was attended by Dr. A. N. Rao, Former Director, Orchid Gene Conservation Centre, Manipur; Prof. S.R. Dhiman, YSPUHF, Solan; Dr. L.C. De, ICAR-NRC for Orchids; and Shri Dipal Roy Choudhury, as members of the Task Force.



Dr. L.C. De, PS, NRCO, Sikkim made a presentation on the DUS Test Guidelines for Mokara orchid and related Vanda Alliance in place of Aranda and their related description of genera and members of the alliance groups. The Task Force deliberated on various aspects, including the number and quantity of

planting materials required, identification of grouping characters, leaf and inflorescence characteristics, appropriate decimal codes, and the suitable trial conditions etc. It was recommended that reference varieties corresponding to newly introduced characteristics should be incorporated into the relevant columns of the guidelines following the DUS characterization of other members within the Vanda Alliance group.

Furthermore, it was noted that, from a taxonomic perspective, Mokara orchids are now subsumed under the broader Vanda Alliance. In light of this, the Task Force suggested examining the feasibility of amending the existing DUS Test Guidelines for Vanda to comprehensively include all such orchids like Mokara, thereby classifying them collectively under the Vanda Alliance group.

6: Plant Variety Journal of India, National Register of Plant Varieties and Publications of the Authority

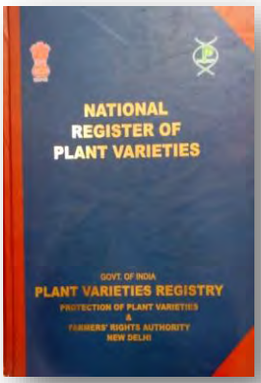
6.1 PLANT VARIETY JOURNAL OF INDIA

In accordance with Rule 2(g) of PPVFR Rules, 2003 the Authority publishes its official journal "Plant Variety Journal of India" (PVJ) as a monthly publication and made available to public each month on its official website. This Journal has the equivalent status of a Gazette of India under the PPVFR Regulations, 2006. The contents of Journal include official and public notices, Gazette notifications, passport data of plant varieties along with photographs, published DUS test guidelines of different crop species, details of certificate of registration and other related official matters and notices.

During the reporting period that is from April, 2024 to March, 2025 the following number of passport data has been published in Plant Variety Journal (PVJ) of India;

Sr. No.	Month	No. of Passport Data Published
1.	April, 2024	85
2.	May, 2024	66
3.	June, 2024	85
4.	July, 2024	101
5.	August, 2024	333
6.	September, 2024	104
7.	October, 2024	37
8.	November, 2024	46
9.	December, 2024	155
10.	January, 2025	200
11.	February, 2025	240
12	March, 2025	225

6.2 NATIONAL REGISTER OF PLANT VARIETIES



The PPVFR Authority, in compliance with section 13 of the PPVFR Act, 2001, has opened the National Register of Plant Varieties at the Headquarters of the Plant Varieties Registry. It contains complete details of the names of all the registered plant varieties along with the names and addresses of the respective breeders, denomination, specifications, salient features etc.

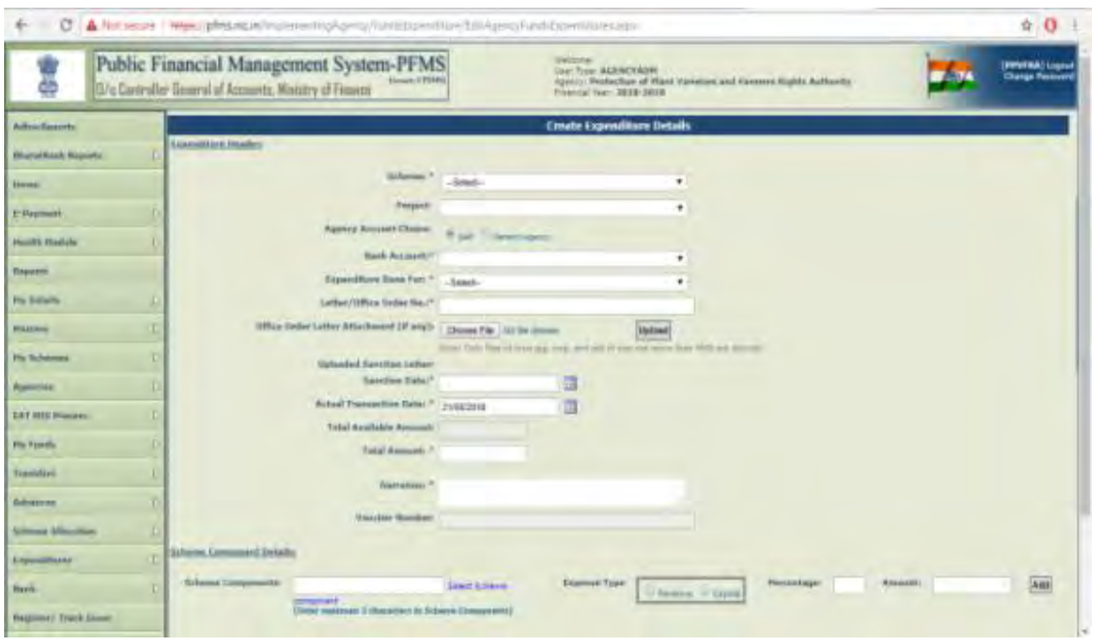
7: Development of Database, IINDUS, Website and Information and Communication Technology (ICT)

7.1 WEBSITE:

The official website i.e. https://plantauthority.gov.in/ of the Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA) has been running on secure NIC cloud server. The feature of cloud server is scalability/elasticity, more performance, improved disaster recovery system. The website is maintained in bilingual (Hindi & English). The web pages are improved as per requirement in Hindi as well as English version of Authority website. The new crop group and their crop name are introduced followed by botanical name along with crop DUS guidelines in downloadable format in pdf. Total 206 crop species have been listed. Other web pages designed and maintained are Plant Genome Saviour Community award and Plant Genome Saviour Farmers Reward & Recognition, RTI page, Plant Variety Registry related information webpage, Annual Report and Annual Account webpage, about the employees of the Authority, list of registration open 206 crops species under the category of New Variety, 206 crop species under the category Extant/Farmer Variety and important Gazette notifications webpage etc.

7.2 PUBLIC FINANCIAL MANAGEMENT SYSTEM (PFMS)

The Authority has implemented PFMS, Digital Payment Systems and e-payment like RTGS/NEFT. The Authority discourages off-line payment system like deposition of cash in the different accounts of Authority. The Authority has been shifted on e-payment systems like PFMS and other digital payments. The list of institutes mapped in PFMS is here under



MAPPED IN PFMS SCHEME 3025

S. No.	Agency Name	Agency Type
1	Acharya N.G. Ranga Agricultural University	Statutory Bodies
2	Agriculture University, Jodhpur	Statutory Bodies
3	Assam Agricultural University	State Government Institutions
4	ATARI Guwahati	Central Government
5	ATARI Patna	Central Government
6	Bidhan Chandra Krishi Viswavidyalaya	Statutory Bodies
7	Bihar Agricultural University, Sabour Bhagalpur	Statutory Bodies
8	Birsa Agricultural University, Kanke, Ranchi, Jharkhand	State Government PSUs
9	C.S. Azad University of Agriculture & Technology, Kanpur	Statutory Bodies
10	CCS Haryana Agricultural University, Hisar	Statutory Bodies
11	Central Agricultural Research Institute, Port Blair	Central Government
12	Central Institute of Temperate Horticulture Srinagar (ICAR)	Central Government
13	Central Coffee Research Institute - Balehonnur	Registered Societies (Govt., Autonomous Bodies)
14	Central Institute for Arid Horticulture, Bikaner	Central Government
15	Central Institute for Cotton Research Nagpur (Unit of ICAR)	Central Government
16	Central Institute for Subtropical Horticulture	Central Government
17	Central Plantation Crops Research Institute	Central Government
18	Central Potato Research Institute	Central Government
19	Central Research Institute for Jute and Allied Fibres	Central Government
20	Central Rice Research Institute	Central Government
21	Central Tobacco Research Institute	Central Government
22	Central Tuber Crops Research Institute	Central Government
23	CIMAP	Registered Societies (Govt., Autonomous Bodies)
24	Comptroller, Maharana Pratap University of Agriculture and Technology, Udaipur	Registered Societies (Govt., Autonomous Bodies)

25	CSR&TI Mysore	Registered Societies (Govt., Autonomous Bodies)
26	Directorate of Cashew Research (Formerly National Research Centre For Cashew)	Central Government
27	Directorate of Groundnut Research (ICAR Unit)	Central Government
28	Directorate of Maize Research	Central Government
29	Directorate of Medicinal and Aromatic Plants	Central Government
30	Directorate of Oilseeds Research, Rajendranagar, Hyderabad	Central Government
31	Directorate of Rice Reserach	Central Government
32	Directorate of Seed Research, Uttar Pradesh	Central Government
33	Directorate of Soybean Research (Indian Council of Agricultural Research)	Central Government
34	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth	Registered Societies (Govt., Autonomous Bodies)
35	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	State Government PSUs
36	Dr.Y.S. Parmar University of Horticulture and Forestry	State Government Institutions
37	G.B. Pant University of Agriculture and Technology, Pant Nagar	Statutory Bodies
38	Icar- Agricultural Technology Application Research Institute	Central Government
39	ICAR- Agricultural Technology Application Research Institute, Kanpur	Central Government
40	ICAR Directorate of Onion and Garlic Research	Central Government
41	ICAR- IIWBR (Indian Council of Agricultural Research- Indian Institute of Wheat and Barley Research)	Central Government
42	ICAR Research Complex for NEH Region	Central Government
43	ICAR Research Complex, Goa, (Indian Council of Agricultural Research)	Central Government
44	ICAR Unit Drmr (Directorate of Rapeseed-Mustard Research)	Central Government
45	ICAR, ATARI-III	Central Government
46	ICAR, NRC For Orchids	Central Government
47	ICAR-Agricultural Technology Application Research Institute, Hyderabad	Central Government
48	ICAR-Agricultural Technology Application Research Institute, Jabalpur	Central Government

49	ICAR-Agricultural Technology Application Research Institute, Pune	Central Government
50	ICAR-Agricultural Technology Application Research Institute, Zone-I	Central Government
51	ICAR-ATARI Kolkata	Central Government
52	ICAR-ATARI, Bangalore	Central Government
53	ICAR-National Research Centre on Pomegranate (NRCP), Solapur	Central Government
54	Indian Agricultural Statistics Research Institute	Central Government
55	Indian Grassland and Fodder Research Institute	Central Government
56	Indian Institute of Horticultural Research	Central Government
57	Indian Institute of Millets Research	Central Government
58	Indian Institute of Pulses Research	Central Government
59	Indian Institute of Spices Research (ICAR)	Central Government
60	Indian Institute of Sugarcane Research, Lucknow	Central Government
61	Indian Instute of Vegetable Research (ICAR)	Central Government
62	Indian Society of Seed Technology	Registered Societies (Govt., Autonomous Bodies)
63	Indira Gandhi Krishi Vishwavidyalaya, Raipur.	Registered Societies (Govt., Autonomous Bodies)
64	Institute of Forest Genetics and Tree Breeding (Indian Council of Forestry Research and Education)	Registered Societies (Govt., Autonomous Bodies)
65	Jawaharlal Nehru Krishi Vishwavidyalaya	Statutory Bodies
66	Junagadh Agricultural University	State Government Institutions
67	Kerala Agricultural University	State Government PSUs
68	M S Swaminathan Research Foundation	Trusts
69	Mahatma Phule Agricultural University, Rahuri	State Government Institutions
70	Nagaland University	Statutory Bodies
71	Narendra Deva University of Agriculture & Technology, Kumarganj, Faizabad	State Government Institutions
72	National Botanical Research Institute, Lucknow	Registered Societies (Govt., Autonomous Bodies)
73	National Bureau of Plant Genetic Resource - NBPGR (ICAR)	Central Government
74	National Research Center for Litchi	Central Government
75	National Research Centre for Banana (ICAR)	Central Government
76	National Research Centre for Citrus, Nagpur (Unit of ICAR)	Central Government
77	National Research Centre for Grapes (ICAR)	Central Government
78	National Research Centre on Seed Spices	Central Government
79	Navsari Agricultural University	State Government PSUs

80	North-East Institute of Science & Technology (CSIR)	Registered Societies (Govt., Autonomous Bodies)
81	Prof. Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad	State Government Institutions
82	Punjab Agricultural University	Registered Societies (Govt., Autonomous Bodies)
83	Sam Higginbottom Institute of Agriculture Technology And Sciences	State Government PSUs
84	Sardar Krushinagar Dantiwada Agricultural University	State Government PSUs
85	Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir	Registered Societies (Govt., Autonomous Bodies)
86	Sri Karan Narendra Agriculture University, Jobner	State Government Institutions
87	Sugarcane Breeding Institute, Coimbatore, (ICAR)	Central Government
88	Tamil Nadu Agricultural University	Registered Societies (Govt., Autonomous Bodies)
89	Tea Board DTR&DC,Kurseong	Registered Societies (Govt., Autonomous Bodies)
90	Tea Research Association	Registered Societies (Govt., Autonomous Bodies)
91	University of Agricultural and Horticultural Sciences, Shivamogga	Statutory Bodies
92	University of Agricultural Sciences, Bangalore	Statutory Bodies
93	University of Agricultural Sciences, Dharwad	Registered Societies (Govt., Autonomous Bodies)
94	University of Horticultural Sciences, Bagalkot	Statutory Bodies
95	VPKAS(ICAR), Almora	Central Government
96	ICAR- Indian Agriculture Research Institute	Central Government

8: Administration, Governance and Other Miscellaneous Activities

8.1 ADMINISTRATION:

Administrative support was provided to the Authority by the Administration to carry out the day to day activities. Recruitment Rules to create cadre for the technical posts of Authority was worked out vigorously and was regularly followed up with the Nodal Ministry. The manpower required vis-à-vis the work to be executed was worked out by a high level committee and necessary support was provided to the said committee.

8.2 LEGAL CELL

The Legal Cell of the Authority has successfully defended all cases filed against the Authority. Further in case of quasi-judicial proceedings before the Registry and Authority, legal inputs were rendered and daily order sheets were dispatched to the parties promptly. The Legal Cell of the Authority is LIMBS (Legal Information Management & Briefing System) compliant and the progress of the cases are updated regularly and monitored in LIMBS. During the reporting period, out of 23 cases 3 cases were disposed of.

The details of forum and number of cases pending for adjudication are given below:

Central Administrative Tribunal	High Courts	Supreme Court	Labour Cour
2	12	5	1

The Legal Cell also provided inputs to all judgements passed by the Authority/ Registrar during the Reporting Period. During this period,

The following Gazette Notifications were published in the year 2024-25:

- Gazette Notification **S.O. 1841 (E)** dated **30th April, 2024** regarding notification of Centres U/s 41 of PPV&FR Act, 2001.
- Gazette Notification **S.O. 4829 (E)** dated **6th November, 2024** regarding 6 crop-species Sponge gourd, Curry leaf, Ailanthus, Dahlia, Broccoli and Lemon Grass for the purpose of registration. "

8.3 RIGHT TO INFORMATION (RTI)

During the reporting period 2024-25, under the Right to Information (RTI) Act, 2005, Sh. Umakant Dubey, Deputy Registrar and Dr. Dinesh Kumar Agarwal, Registrar General continues as Central Public Information Officer (CPIO) and First Appellate Authority (FAA) respectively at Protection of Plant Varieties and Farmer's Rights Authority (PPVFRA), Ministry of Agriculture and Farmers Welfare, Govt. of India for furnishing information to the applicants applies for information under Right to Information (RTI) Act, 2005. The details of the officers designated are available on website of the Authority i.e.

https://plantauthority.gov.in/ under the menu heading RTI. Compliance of provisions contained under section 25(2) of RTI Act, 2005 for submission of information to Chief Information Commissioner (CIC) are being done on a regular basis. The Authority complies the Transparency Audit by the CIC and other requirements and compliances as per the CIC and RTI Act, 2005. During the reporting period, the Authority received 26 applications either directly from the applicant or transferred from other departments seeking information under RTI Act, 2005. The information sought was made available within the stipulated period.

The status of the applications received by the Authority is uploaded on its website on regular basis. The quarterly status of the applications is available on the website of the Authority and Central Information Commission (CIC) with full details including receipt of fees too.

8.4 GOVERNMENT e-MARKETPLACE (GEM)

During the reporting year 2024-25, the Authority purchased different Products and Services, worth **Rs. 34979007/-(Rupees three crore forty nine lakh seventy nine thousand seven only)** through GeM after completing necessary formalities. The details are as under:-

Report of Procurement (GeM) during 2024 -2025 (1st April 2024 to 31st March 2025)			
S.No.:	**Particular**	**Month**	**Amount (Rs.)**
1.	**Product**		
	Tissue Paper, insects killer, battery cell, Tumblers, staplers, Transparent tape, Punches, Register, desk pads, paper cutter, conference folder, Notesheet, brown tape, Printer toners, Paper rim A4, photocopier toner, photocopier drum, Sharpener, eraser ball point pen, Envelops roller ball pen, Marker, All in One PC, MFM Printer, UPS, Gel Pen, Computer Mouse, Pen drive, Correction Pen, Vacuum Cleane, Element Induction Heater, Microwave Oven, Computer, Telephone Instrument, USB Camera, Bluetooth Speakers, Calling bell, Cotton duster, Tissue box, Air freshener, Disinfectant fluid, Slip pad, Binder clip, Glue stick, Pencil, Key Board, Oil filled heater, sticky note, Self Adhesive Flags etc.	April, 2024-31st March, 2025	**2476105**
	Total A		**2476105**
2.	**Services**		

	Manpower, Security Service, Vehicle Hiring Service, Printing, Horticulture Service - Maintenance , financial services, Tax advisory services, Audit Service, Floral Bouquet Service, AC –AMC etc.	April, 2024-31st March, 2025	**32502902**
	Total B		**32502902**
Grand Total Amount(A+B)			**34979007**

8.5 INSPECTION OF RECORDS AND SUPPLY OF CERTIFIED COPY

During the reporting period, 21 requests for inspection of records and supply of certified copies were received under section 84 of PPVFR Act, 2001 and Rule 76 of PPVFR Rule, 2003. The amount Rs. 202,500/- (Rupees Two Lakh Two Thousand Five Hundred Only) as fees for the above purpose were deposited by the concerned applicant. After receipt of fees, the certified copies were supplied to the concerned applicants.

8.6 BRANCH OFFICES:

PPVFR Authority has five branch offices located in different parts of the country headed by Deputy Registrar as detailed below:

1. **Dr. Harish Chandra Singh**
   Deputy Registrar
   Protection of Plant Varieties and Farmers' Rights Authority, Department of Agriculture & Farmers Welfare, Computer Centre Building, Near Damodar International Guest House, Birsa Agriculture University Campus, Kanke, Ranchi (JH)-834006

2. **Sh. A.C. Sarma**
   Deputy Registrar
   Protection of Plant Varieties and Farmers' Rights Authority, Govt. of India, Ministry of Agriculture & Farmers Welfare, Department of Agriculture & Farmers Welfare, Assam Agricultural University, Near Administrative Building, Khanapara, Guwahati-781022

3. **Deputy Registrar (vacant)**
   Protection of Plant Varieties and Farmers' Rights Authority Department of Agriculture & Farmers Welfare, CSK HP Krishi Viswavidyalaya, Palampur, Dist. Kangra, Himachal Pradesh-176061

4. **Dr. D.K. Agarwal,**
   Registrar- General (In-charge)
   Protection of Plant Varieties and Farmers' Rights Authority, Department of Agriculture & Farmers Welfare,

Centenary Building, College of Agriculture Campus, Mahatma Phule Krishi Vidyapeeth, Pune, Maharashtra-411005

5. **Sh. D.R. Choudury,**
   Joint Registrar (In-charge)
   Protection of Plant Varieties and Farmers' Rights Authority, Department of Agriculture, Co-operation & Farmers Welfare, UAHS Shivamogga, Abbalagere post, Shivamogga, Karnataka-577204

8.7. PPVFRA ENTRUSTED WITH THE CHAIRMANSHIP OF TOWN OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (TOLIC)

In September, 2018, by the Department of Official Language, Ministry of Home Affairs, Government of India has been entrusted with the responsibility of chairing the Town Official Language Implementation Committee (TOLIC), North Delhi. The Protection Plant Varieties and Farmers' Rights Authority Ministry of Agriculture Farmers Welfare Govt. of India. A meeting is held every half year during the year and the committee comprises a total of 68 member offices. A 10-member coordination committee was formed to administer various provisions of the official language.

Official Language Implementation Committee in Protection Plant Varieties and Farmers Rights Authority

Official Language Implementation Committee already exists in the Authority for implementation official language. During the year under report, meetings were held every quarter as detailed below. The issues related to the official language were discussed in substance. The meeting of TOLIC was held on 19/07/2024.

S.No.	Meeting date
1.	14th June, 2024
2.	26th September, 2024
3.	18th December, 2024
4.	21st March, 2025

Organization of Hindi Day/Week/Fortnight and Hindi Month

Hindi Month was celebrated in the Protection Plant Varieties and Farmers' Rights Authority during the period from 14th September to 13th October, 2024. During this period, following competitions:- **1. Writing a short story by writing the meaning of idioms/proverbs and proving their meaning 2. Essay Writing Competition 3. Noting & Drafting 4. English Hindi Administrative Vocabulary Competition 5. Motivational story/story telling competition .6 Hindi Question Forum Competition** were organized in which many contractual employees including regular officers participated and prize distribution ceremony was organized in the Authority and cash prizes and certificates were given to the winners of the competitions. The names of the winners of Hindi month competitions are as follows:-

1. Essay Writing Competition

S.No.	Name of Participant	Place
1.	Mrs. Ritu Yadav	First
2.	Mr. Shyam Narayan Prasad	Second
3.	Mr. Gaurav	Third

1. Essay Writing Competition (Non-Hindi)

S.No.	Name of Participant	Place
1.	Ms. Anjali Nayak	First

2. Writing a short story by writing the meaning of idioms/proverbs and proving their meaning

S.No.	Name of Participant	Place
1.	Mrs. Ritu Yadav	First
2.	Dr. Jyoti Jaiswal	Second
3.	Ms. Manisha	Third

2. Writing a short story by writing the meaning of idioms/proverbs and proving their meaning(Non-Hindi)

S.No.	Name of Participant	Place
1.	Shri D S Raj Ganesh	First

3. Noting & Drafting

S.No.	Name of Participant	Place
1.	Mr. Dharmendra	First
2.	Mr. Santosh shingh Bist	Second
3.	Dr. Dharmendra Singh Pilania	Third

4. English Hindi Administrative Vocabulary Competition

S.No.	Name of Participant	Place
1.	Dr. Dharmendra Singh Pilania	First
2.	Dr. Jyoti Jaiswal	Second
3.	Mr. Gaurav Sharma	

4.English Hindi Administrative Vocabulary Competition (Non-Hindi)

S.No.	Name of Participant	Place
1.	Shri D S Raj Ganesh	First

5. Motivational story/story telling competition

S.No.	Name of Participant	Place
1.	Mrs. Sudesh	First
2.	Dr. Bharat Tiwari	Second
3.	Mr. Arun Kumar	Third

6 . Hindi Question Forum Competition

S.No.	Name of Participant	Place
1.	Mr. Dharmendra	First
2.	Mrs. Sudesh	Second
3.	Mr. Bitender Kumar	Third

Use of official language Hindi

The official language Hindi is used in the office by the officers and staff of Protection Plant Varieties and Farmers Rights Authority. Comments and drafts are prepared in Hindi language by the officers and staff of the Authority. All necessary documents falling under Section 3(3) of the Official Languages Act,

1963 were issued in bilingual form and correspondence is being conducted with Regions A, B and C as per the instructions of the Government of India.



CELEBRATION OF WORLD INTELLECTUAL PROPERTY DAY ON 26TH APRIL, 2024 ORGANIZED BY PROTECTION OF PLANT VARIETY AND FARMERS RIGHTS AUTHORITY, NEW DELHI.

PPV &FR Authority organized the World IP Day on 26th April, 2024 in the Lecture Hall, NAAS, NASC Complex, New Delhi. The Theme for World IP Day 2024 was **"IP and the Sustainable Development Goals: Building our common future with innovation and creativity".** The program started with the lighting of lamp by the dignitaries. Dr. D.K Agarwal, Registrar General PPV&FRA welcomed the dignitaries and participants, and highlighted the history of the World IP Day and the progress of the authority in terms of registration of plant varieties.





The Chief Guest of the function Padma Bhushan Dr. R.S Paroda, Former Secretary DARE and DG, ICAR and the Founder Chairman of TAAS, in his address described th e formulation of PPV & FR Act 2001 as a unique law providing plant variety protection rights not only to the breeders but also has provision for farmers rights including protection of their varieties. He stressed upon the need for enhancing the contribution of the Government and other stake holders to the Gene Funds of the Authority in order to enabling the support to the farmers for conservation of traditional varieties and establishment of Gene Banks. He also suggested for a proactive role of the authority in registration of

extant notified varieties. While appreciating the efforts of the authority in reducing the pendency, he emphasized on creation of greater awareness about IP Protection of elite germplasm and varieties.

Dr T. Mohapatra, Chairperson PPV & FR Authority in his presidential address highlighted the importance of World IP Day and inno vation led growth in agriculture for a sustainable food system. He also urged the scientific community and seed companies to come forward for protection of their plant variety innovation and assured to facilitate faster registration by the authority. Dr. P. K Singh, Agriculture Commissioner, Ministry of Agriculture and Farmer's Welfare, GOI and Authority Member PPVFRA in his remarks shared his experiences in implementation of farmers rights and highlighted the needs to facilitate the farmers for registration of their conserved varieties. Dr. Malathi Lakshmikumaran, Senior Attorney and Partner, M/S. Lakshmikumaran & Sridharan gave a detailed presentation on the various sustainable development goals in building our common future with innovation and creativity. She elaborated upon the Sustainable development Goa ls as envisiged in United Nation and drew their connection with Research in Food and Agriculture. She further highlighted the role of modern scientific developments particularly Genome Editing in achieving the SDGs through further innovation & efficient IP protection. Dr. G.P Singh, Director ICAR-NBPGR described the role of the Bureau in conservation of the Plant Genetic Resources of the country and making it available to the institutes and scientists for innovative development of new crop varieties.





Dr Girish Chandel, Honorable Vice- Chancellor, IGKVV Raipur spoke about the relevance of plant variety protection and role of Dr. Richaria collection and conservation of rice landraces of the country. He assured support of his university to facilitate the farmers of the state for registration of their pla nt varieties. Dr. Venkata Subramanian, Director – ATARI, Bangalore highlighted the unique traditional varieties of many crops maintained by the farmers of Western Ghat especially in the state of Kerala. He submitted the application of Lotus varieties 'Mayoori' and 'Panineer' conserved by women farmer Smt. Ajitha of Kerala. During the function certificates were distributed to the licensees of the Wheat Variety DBW 327 (Karan Shivani) of ICAR–IIWBR, Karnal which has been IP Protected by its registration with PPVFRA.





Registration certificate of crop Jamun with Denomination 'Round the Year' was also handed over to the farmer Shri N. Kumar from Karnataka by the chief guest and other dignitaries. The variety was registered in shortest time on 10th April 2024, within seven months after filin g of the application on 5th October 2023, which is a record. This variety is now in great demand. ICAR-IIHR is collaborating with the farmer for its multiplication and commercialization.

Applications were submitted for registration of rice varieties with special traits namely ZINCO RICE–MS, PROTEZIN and SANJEEVANI RICE by Dr G. Chandel, Vice- Chancellor, IGKV Raipur and his colleague Dr. Deepak Sharma, Prof. Genetics and Plant Breeding, IGKV Raipur.

The program was organized in hybrid mode (Physical and online) and was attended by more than 250 Participants including many dignitaries, Directors of ICAR Institutes, NAAS Fellows, Scientists & head of IARI, NBPGR, Nodal Officers and PIs of various DUS Centers located different parts of India, Licensees of Seed Companies, Private sectors representatives, Resource farmers and officers and Staffs of PPV&FRA. The program ended with a vote of thanks by Dr. Ravi Prakash, Former Registrar and Technical Consultant, PPVFRA.



8.8. INDEPENDENCE DAY CELEBRATION



78th Independence Day was celebrated at Plant Authority Bhawan on 15th August, 2024 with a great rejoice and happiness. Dr. T. Mohapatra, Chairperson, PPVFR Authority hoisted the national flag. Speaking at the occasion, Dr. Mohapatra recounted the progress made by the country in various spheres and also made a note of significant increase in registration of varieties and conduction of other activities by PPVFR Authority. He reminded everyone about the great sacrifices made by our freedom fighters in earning the freedom for the country and exhorted all the employees to do their duties with utmost sincerity and honesty to further strengthen it. Mrs. Kalpana Mohapatra also graced the occasion as the Special Guest. The officials and employees of PPVFRA participated in the celebrations in good numbers along with their family members and children.



On this occasion, Master Abhimanyu Panwar recited Hanuman Chalisa completely with full ease earning appreciation from all. Other children sang poems praising our country. To mark the occasion, a tree plantation drive was also taken up in the Plant Authority Bhawan Campus.

8.9. PARTICIPATION OF THE PPV&FR AUTHORITY IN THE "SWACHHATA PAKHWARA-SWACHHATA HI SEVA (SHS) CAMPAIGN 2024".

18.09.2024 to 24.09.2024 –Cleaning drive- 1. Sorting of files and sequential arrangement of about 6002 closed files and 7042 files of certificate of registration issued by the Office were sorted out and separately arranged in the compactors.

2. Weeding out of torn and waste/duplicate files and file covers were done and disposed of.
3. Books, publications, reports and record books were arranged in the almirahs.
4. Dusting and Cleaning of kitchen, sinks, stairs, window panes, galleries and lifts were done.





19.09.2024- Awareness - Plantation of 15 plants in the campus of Plant Authority Bhawan of PPVFRA, New Delhi





8.9. OBSERVANCE OF VIGILANCE AWARENESS WEEK

Though the Authority does not come under the jurisdiction of the Central Vigilance Act or Central Vigilance Commission Act (2003), in view of the establishment of the spirit of maintaining the Authority free of any corruption and misuse of official position, the Authority in solidarity with the same observed Vigilance Awareness Week administering the oath by its staff, employees and officers.

The Authority observed the Vigilance Awareness Week where the staff of the Authority collectively participated in the prevention of corruption and the fight against corruption being vigilant as part of the Vigilance Awareness Week (28th October, 2024 to 3rd November, 2024) with the theme **"सत्यनिष्ठा की संस्कृति से राष्ट्र की समृद्धि"** (Culture of Integrity for Nation's Prosperity).

The observance of the Vigilance Awareness Week commenced with the taking of the Integrity Pledge.

Celebration of 20th Foundation Day of Protection of Plant Variety and Farmers Rights Authority, on 11th November, 2024



Protection of Plant Variety and Farmers Rights Authority organized its 20th Foundation Day on 11th November, 2024 in the Lecture Hall, NAAS, NASC Complex, New Delhi. The program started with the lighting of lamp by the dignitaries.

Dr. D.K Agarwal, Registrar General PPV& FRA welcomed the dignitaries and participants, and



highlighted the two decades progress of the Authority in terms of registration of plant varieties and other aspects. The Chief Guest of the function Padma Bhushan Dr. R.S Paroda, Former Secretary DARE and DG, ICAR and the Founder Chairman of TAAS, in his Foundation day address highlighted the formulation of PPV & FR Act 2001 as a unique law providing plant variety protection rights not only to the breeders but also to the farmers. He informed why India did not join the UPOV instead adopted "*sui-generis*" system for plant variety protection including Farmers Rights. He also suggested for a proactive role of the authority in registration of extant notified varieties. While appreciating the efforts of the authority in reducing the pendency, he emphasized on creation of greater awareness about the activities of the Authority.

Dr T. Mohapatra, Chairperson PPV & FR Authority in his presidential address highlighted the importance of protection of Plant Varieties to promote the seed industry for more investme nt in R&D and growth of seed sector in the country. He also urged the scientific community and seed companies to come forward for protection of their plant variety innovation and assured to facilitate faster registration by the authority. Shri Sanjay Agarwal, former Secretary, Ministry of Agriculture and Farmer's Welfare Govt. of India in his remarks appreciated the efforts of the Authority in protection of Plant Genetic resources conserved by the farmers and expressed his satisfaction in implementation of the various provisions of the PPVFR Act 2001 by the Authority. Dr. P. K Singh, Agriculture Commissioner, Ministry of Agriculture and Farmer's Welfare, GOI and Authority Member in his remarks, shared his experiences in association with the Authority as Registrar and implementation of farmers rights to facilitate the farmers for registration of their conserved varieties.





Dr. R. C. Agarwal, DDG, (Education), ICAR in his remarks highlighted the importance of the Authority and shared his experience during his long association with the Authority as Registrar General and Thanked the Chairperson PPVFRA for keeping him involved in various committees formed by the Authority. Dr S. K. Singh, DDG (Horti.), ICAR, spoke on the importance of varietal developments in Horticultural crops by various institutes under ICAR and assured for protection under the PPVFRA. Dr. D.K. Yadava, ADG (Seed), ICAR in his remarks highlighted the importance of Protection of Plant Varieties for the faster growth of the seed Industry. Dr. Ratan Tiwari, Director, ICAR –IIWBR, Karnal in his remarks highlighted the role of the institute in DUS testing of the Wheat and Barley varieties. He further informed that institute is protecting all potential varieties developed by them under the PPVFR Act 2001.



During the function, certificates were distributed to the licensees of the Wheat Variety of ICAR –IIWBR, Karnal, which has been IP Protected by its registration with PPVFRA. Dr. Deepak Sharma, Prof. Genetics and Plant Breeding, IGKV Raipur felicitated the Chief Guest Dr Paroda by presenting his portrait made by using rice seeds of farmers varieties. The foundation day celebration was organized in hybrid mode (Physical and online) and was attended by more than 250 Participants including many dignitaries, ADGs ICAR, Directors of ICAR Institutes, NAAS Fellows, Scientists & head of IARI, NBPGR, Nodal Officers and PIs of various DUS Centers located in different parts of India, Licensees of Seed Companies, Private sectors representatives, Resource farmers and officers and Staffs of PPV&FRA.

The Following points emerged from the deliberation:

1. The Authority may take needful action for organizing Global Symposium on Farmer's Rights by the ITPGRFA on regular interval of four years.
2. To develop short and long term training courses on IP protection on plant varieties.
3. Registration of all Extent Notified varieties at the earliest by the Authority.
4. Documentation of Success Stories of the farmer's variety.
5. Monitoring of the activities of the Farming communities earlier recognized with PGSC Award.
6. To develop the strategy and guideline for the benefit sharing.
7. Use of molecular profiling of plant varieties for faster registration.
8. Clearance of pending applications in a time bound manner

The program ended with a vote of thanks by Dr. Ravi Prakash, Former Registrar and Technical Consultant, PPVFRA.



8.10. PPV&FR AUTHORITY MEETINGS

During the year 2024-25, two meetings of the PPV&FR Authority were held and detailed minutes of meetings are available in the PPV&FRA website. Salient points are given:

8.9.1 Thirty-eight meeting held on 6th August, 2024

- Approval of DUS test guidelines of Sponge gourd, Curry leaf, Ailanthus, Dahlia, Broccoli and Chilli, Paprika and Bell Pepper (under protected conditions)
- Fixation of time limit for registration of Sponge gourd, Curry leaf, Ailanthus, Dahlia, Broccoli and Chilli, Paprika and Bell Pepper (under protected conditions).
- Approval of DUS test fees for Sponge gourd, Curry leaf, Ailanthus, Dahlia, Broccoli and Chilli, Paprika and Bell Pepper (under protected conditions)
- Draft Rules relating to Utilisation of National Gene Fund for conservation activities of Plant Genetic Resources, for Notification in the Official Gazette.
- Notification of Branch Offices of Registry at Palampur, Pune and Shivamogga as Branch Offices of the Authority under Section 3(3) of PPVFR Act, 2001.
- Constitution of Extant Variety Recommendation Committee under Regulation 6 of PPVFR Regulations, 2006.
- Proposal for Short-Term Training and Certificate Programmes on various aspects and procedures of Plant Variety Protection to be started by PPVFRA, Government of India.
- To utilise the Farmers Guest House of Plant Authority Bhawan as PVP Trainees Hostel.
- Establishment and Management of Field Gene Banks (FGBs) for maintenance of Plant varieties registered under PPVFR Act, 2001.
- Constitution of the Committee to look into the issues involved in Annual Fee and Renewal Fee.

8.9.2 Thirty-nineth meeting held on 03rd December, 2024.

- Approval of DUS test guidelines of Mesta and Hibiscus/China Rose.
- Fixation of time limit for registration of Mesta and Hibiscus/China Rose.
- Approval of DUS test fees for Mesta and Hibiscus/China Rose.
- Constitution of Committee to examine the PPVFR Act, 2001 and Rules to suggest amendments.
- Annual Report for the 2023-24.
- Annual Accounts for the year 2023-24.
- Allotment of REG Number and dispensing of allotment of PVP number.
- Guidelines for conduct of Training cum Awareness programme on PPVFR Act, 2001.

8.11. OTHERS MEETING

Visit of officials from Australian Centre for International Agricultural Research (ACIAR), Australian Government to Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA) on 5th August, 2024.

The officials from Australian Centre for International Agricultural Research ACIAR, namely, Prof. Wendy Umberger, Chief Executive Officer, Dr. David Shearer, Strategic Advisor and Dr. Pratibha Singh, Regional Manager/South Asia visited PPVFR Authority at Plant Authority Bhawan on 5th August, 2024. Dr. T. Mohapatra, Chairperson, PPVFR Authority welcome the guests and highlighted the future areas of collaboration between India and Australia in Agricultural Research and Plant Variety Protection. In the beginning, Dr. Dinesh K. Agarwal, Registrar-General, PPVFR Authority gave a brief account of PPVFR Authority programmes and activities to the visiting team both the sides had a detailed interaction on the common arena of interests and activities. Prof. Wendy Umberger, Chief Executive Officer in her remarks profusely thanked Dr. T. Mohapatra, Chairperson, PPVFR Authority for this visit and expressed hope that with this meeting both the sides would be able to formulate programmes and activities that would be of mutual benefits. Dr. T. Mohapatra, Chairperson, PPVFR Authority too echoed the similar intent in his concluding remarks.





Vsit of Officials of New Zealand High Commission to Protection of Plant Varieties and Farmers' Rights Authority, New Delhi

The delegation of officials from New Zealand High Commission visited Protection of Plant Varieties and Farmers' Rights Authority office in NASC Complex on 7th May, 2024. The delegation had a detailed interaction on procedure of plant variety registration in India and possible areas of future collaboration



between India and New Zealand. The delegation comprised of Ms. Melanie Phillips, Regional Agriculture Counsellor, Mr. Louis O'Brien, Second Secretary, New Zealand High Commission, Ms. Meera Arora, Head of Business Development, South Asia and Ms. Kethoseno Peseyie, Policy Advisor (Agriculture, Trade and Economic) New Zealand High Commission. Ms. Melanie Phillips described the purpose of the visit and enquired about the procedure for protection of new varieties of crops of relevance to New Zealand such as kiwi fruit, apple, and pear. She also briefly mentioned about the system of crop variety protection in New Zealand. Dr. D.K. Agarwal, Registrar General, PPVFRA informed the delegates about the activities and the registration process of plant varieties with PPVFR Authority, Govt. of India. He specifically explained the procedure with regard to PEQ requirements and the agency dealing with it. Dr. T. Mohapatra, Chairperson, PPVFRA spoke about the importance of crops like kiwi fruit and the need for building collaboration for research between India and New Zealand. It was agreed to conduct a sensitization programme for the Growers and Exporters of Horticultural Crops of New Zealand to facilitate their varietal protection in India. It was also agreed to further discuss about sharing of experience, capacity building, harmonization of DUS guidelines & testing etc. to build future programmes. The delegates expressed satisfaction on the outcomes of the discussion held and expected continuation of interaction with the Authority.

8.10.1 Meeting for collaboration between Protection of Plant Varieties and Farmers' Rights Authority and National Innovation Foundation-India held at Plant Authority Bhawan New Delhi on 14.10.24

A meeting was convened under the Chairmanship of Dr. T. Mohapatra, Chairperson, PPVFRA to discuss about the collaboration between Protection of Plant Varieties and farmers' Rights Authority and National Innovation Foundation (NIF) -India at Plant Authority Bhawan, New Delhi on 14.10.24. Dr Arvind C Ranade, Director and Dr. Hardev Choudhary, Scientist-E, from NIF were present. Dr. Dinesh K Agarwal, Registrar-General, Shri Dipal Choudhury, Joint Registrar, Shri Uma Kant Dubey, Deputy Registrar, Dr. A.K. Singh, Plant Variety Examinar, Shri D.S. Pilania, Technical Assistant and Dr. Ravi Prakash, Technical Consultant from PPVFRA participated in the meeting. Discussion started with the welcome to the chair and participants from both the side. Dr. T. Mohapatra, Chairperson, PPVFRA in his opening remarks thanked Dr. Ranade for proposing the meeting and visiting the authority office. He highlighted the importance of innovation in varietal development and role of farmers in conservation of plant genetic resources. He appreciated the efforts of NIF in facilitating farmers to register their varieties. Dr. Dinesh K Agarwal, Registrar-General, in his remarks thanked NIF for forwarding application for protection of Farmers' varieties under the PPVFR Act, 2001 and assured faster registration and issuance of certificate. Dr Arvind C Ranade, Director, NIF in his remarks thanked the Chairperson, PPVFRA for accepting his request for the meeting and highlighted various points for the collaboration between both the organisations. Dr. Hardev Choudhary, Scientist-E, NIF made a presentation on crop varieties specially vegetable crops such as brinjal, cauliflower, carrot, onion, potato, sweet potato, turmeric and Zinger; fruit crops namely apple, guava, grapes and mango, and cereals crops including wheat, rice, sorghum etc. Innovated by the farmers and facilitated by NIF for their registration with the PPVFRA. He indicated the difficulties for submission of application through agricultural university and requested the Authority to accept the farmers' applications directly for registration.

Dr Choudhary presented the following points as areas of possible collaboration between PPVFRA and NIF;

- NIF could be recognised for endorsing farmers' plant variety applications based on field verification and test reports for registration at PPV&FRA.
- A mechanism to be developed to utilise testing reports generated by NIF through state / central agricultural universities to expedite the registration process, thereby saving time, efforts, and resources.



- NIF could take the lead in developing suitable testing protocols for farmers' plant varieties that have been identified and field verified by NIF, particularly for crops that are not yet notified by PPVFRA.
- For perennial crops such as fruits, spices and medicinal plants, a mechanism to be established for on-sight evaluation of farmers varieties in collaboration between PPVFRA and NIF before submitting registration applications.
- Capacity-Building workshop to be organised for farmers' who's varieties have been registered, focusing on assessing commercial potential, quality seed production and understanding seed regulation.
- Jointly, PPVFRA and NIF may explore involvement of respective state seeds corporations in commercialising registered farmers varieties specific to local conditions.
- Collaboration with ICAR-AICRP is required for conducting multi-location trials of registered plant varieties having potential commercial value.

After detailed discussion on the above points, it was decided that an MoU will be signed between PPVFRA and NIF for the agreed points to work together in respect of registration of farmers' varieties and capacity building programme. Sharing the details of the farmers varieties registered through NIF which have been successfully branded and commercialized already was requested for proper documentation by PPVFRA.

8.10.2 Visit of officials from New Zealand High Commission, Plant & Food Research and Zespri to PPVFRA, New Delhi on 13.11.2024



A team comprising of Ms. Stephanie Melanie, Counsellor (Agriculture), New Zealand High Commission; Ms. Rachel Lynch, New Zealand Government & Regulatory Affairs Manager; Dr. Stephanie Montgomery, Programme Manager- International Development, Plant & Food Research; and Mr. Himanshu from Zespri Kiwifruit Company visited Protection of Plant Varieties and Farmers' Rights Authority Office on 13th November 2024. The visiting team met Dr. Trilochan Mohapatra, Chairperson and Dr. Dinesh K. Agarwal, Registrar General of PPVFRA and discussed the various issues related with introduction and protection of foreign fruit varieties into India. Dr Agarwal welcomed the visiting delegation and apprised them about the process of registration of varieties of foreign applicants. The New Zealand team members described their areas of activities and interests. Both the sides discussed the possible areas of collaboration in the future. Dr.

Mohapatra emphasized on making collaborating efforts for the benefit of Indian farmers. Ms. Melanie, Counsellor (Agriculture) profusely thanked the Chairperson Dr. Mohapatra for all the cooperation extended by the Authority.

8.12. PARTICIPATION OF CHAIRPERSON IN VARIOUS MEETINGS AND DISCUSSIONS DURING 2024-25

DATE	DESCRIPTION
APRIL, 2024	
04th April 2024	Chairperson attended Distinguished Special Jury: 6th Edition of FICCI Agri Startup Awards through VC.
04th April, 2024	Chairperson attended meeting of Consultation on various aspects of Seeds Sector at Krishi Bhawan.
09th April, 2024	Chairperson attended third Meeting of the Committee for Publication of 7th Revised Edition of the Handbook of Agriculture at NASC Complex.
22nd April, 2024	Chairperson attended first meeting of the Committee to frame protocol/guidelines for protection under Section 24(5) of PPVFR Act, 2001 through VC.
23rd April, 2024	Chairperson attended DEG meeting for Headquarter Coordinated Project on "Digitization of Traditional Agricultural Practices (DigiTAgPs) of India through VC.
26th April, 2024	PPVFRA Celebrated of World Intellectual Property Day at NASC Complex.
29-30th April, 2024	Chairperson attended 32nd RAC Meeting of ICAR-CRIDA at ICAR-Central Research Institute for Dryland Agriculture, Hyderabad.
MAY, 2024	
01st May, 2024	Chairperson attended as the Chief Guest on the occasion of ICAR-CTRI, Formation Day at ICAR- Central Tobacco Research Institute (CTRI) Rajahmundry, AP.
03rd May, 2024	Chairperson attended as Chief Guest at Conference on IPR in Seeds & Biotechnology at NASC Complex.
03rd May, 2024	Chairperson attedned the Rashtriya Vigyan Puraskar Committee (RVPC) – 2024 at Vigyan Bhawan Annexe, New Delhi .
06th May, 2024	Chairperson attended CII Sub-group Discussion on EoDB in Fertilizer Sector at CII Central Office, Lodhi Road, New Delhi.
09th May, 2024	Chairperson attended the meeting of the Committee to reassess the requirement of manpower of PPVFR Authority at NASC Complex.
JUNE, 2024	
04-05th June, 2024	Chairperson attended 31st Annual General Body Meeting of the NAAS Academy at A.P. Shinde Symposium , NASC Complex.
05th June, 2024	Chairperson attended Prof. M S Swaminathan Foundation Day lecture will be delivered by Shri M. Venkaiah Naidu, Hon'ble Former Vice President of India at C. Subramaniam Auditorium, NASC Coomplex.
09th June, 2024	Chairperson Inaugurate the Training Programme for Awareness and Mango Diversity Show at ICAR - Central Institute for Subtropical Horticulture, Regional Research Station, Malda, West Bengal.
14-15th June, 2024	Chairperson deliver the Plenary Talk in Symposium on Translational Research for Society and Sustainability jointly organized by KIIT Deemed to be University (KIIT DU) as well as The Indian National Science Academy (INSA) at

	Bhubaneswar.
19th June, 2024	Chairperson attended Second Meeting of the Committee to frame scheme for utilization of National Gene Fund at NASC Complex.
21st June 2024	PPVFRA celebrated International Yoga Day at Plant Autority Bhawan.
21st June, 2024	Chairperson attended third Meeting of the Committee to reassess the requirement of manpower of PPVFR Authority under the Chairmanship of Dr. P.L.Gautam, Chancellor, Dr. Rajendra Prasad Central Agricultural University at NASC Complex.
21st June, 2024	Chairperson attended Fourth Meeting of the Committee for Publication of 7th Revised Edition of the Handbook of Agriculture at NASC Complex.
22nd June, 2024	Chairperson attended IARI Alumni Association Meet at Dr. C. Subramaniam Auditorium, NASC Complex, New Delhi.
26th June, 2024	Chairperson attended CEOs Round Table on Seeds at Conf. Hall 1, India International Centre, New Delhi.
JULY, 2024	
04th July, 2024	Chairperson attended Global India AI Summit (Session on Sustainable Agriculture) through VC.
09th July, 2024	Chairperson attended as the Chief Guest in inaugural session on Brainstorming on public-private partnership in Agriculture: A Way Forward" organized by the Trust for Advancement of Agricultural Sciences (TAAS), New Delhi, in collaboration with Indian Council of Agricultural Research (ICAR), and the Federation of Seed Industry of India (FSII) at NASC Complex.
10th July, 2024	Chairperson attended 66th meeting of Board of Trustees of TAAS at TAAS, IARI, New Delhi.
12th July, 2024	Chairperson as the Chief in Valedictory Function of NAHEP - CAAST Training Programme on “Genome Editing for Crop Improvement: Strategies and Applications” at V.L. Chopra Auditorium, ICAR-NIPB.
12th July, 2024	Chairperson attended the meeting of finalisation of DUS test guidelines on Lemon Grass, Ailanthus, Dahlia, Curry Leaf, Broccoli, Sponge Gourd, Chilli, paprika and bell pepper under protected conditions at Auditors Room, Second Floor, Plant Authority Bhawan, New Delhi.
16th July, 2024	Chairperson attended Training-cum-awareness programme for collection of farmers varieties form the different state at Committee Room Plant Authority Bhawan, New Delhi.
18th July, 2024	Chairperson attended the Second meeting of the Committee for revising existing DUS test guidelines and to identifying new crops for which DUS guidelines need to be developed at Board Room, Plant Authority Bhawan, New Delhi.
19th July, 2024	Chairperson chair the नराकास राजभाषा बैठक at Committee Hall, NBPGR, New Delhi.
23rd July, 2024	Chairperson attended the meeting relating to framing of protocol/guidelines for provisional protection under Section 24(5) of PPVFR Act, 2001 under the Chairmanship of Dr. H.S. Gupta, Former Director, IARI at Board Room, Plant Authority Bhawan, New Delhi.
AUGUST, 2024	
03rd August, 2024	Chairperson attended 32nd International Conference of Agricultural Economists 2024 at NASC Complex, New Delhi.
06th August, 2024	Chairperson attended 38th Authority Meeting at Board Room, Plant Authority

	Bhawan, New Delhi.
07th August, 2024	Chairperson attended 1st Bharat Ratna Prof. M.S. Swaminathan Memorial Lecture and ISGP Award Ceremony at IARI, New Delhi.
12-13 August, 2024	Chairperson attended 57th Research Council Meeting of CSIR-NBRI at CSIR-NBRI, Lucknow.
15th August 2024	PPVFRA Celebrated 78th Independence Day at Plant Authority Bhawan, New Delhi.
16th August, 2024	Chairperson attended the meeting to discuss the amendment in Rule 13 of PPVFR Rule at Plant Authority Bhawan, New Delhi.
21st August, 2024	Chairperson attended "Chief Guest" for the 31st Foundation Day and Kisan Mela of ICAR-NRCB at ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu.
23rd August, 2024	Chairperson attended Second meeting on amendment of Rule 30 at Plant Authority Bhawan, New Delhi.
26th August, 2024	Chairperson attended Agrobiodiversity Conservation and Climate Change: A Brainstorming on Lessons from India and Mexico through VC.
28 August, 2024	Chairperson inaugurate the function of the Workshop as Chief Guest/Chairman as well as the Awareness programme on Protection of Plant Varieties and Farmers' Rights at OUAT-KVK Puri, Odisha.
30-31 August, 2024	Chairperson leads a lecture in the Technical Session - III on Protection of Plant Varieties and Farmers Rights Act and as Chief Guest in Plenary Session of the Annual Zonal Review Workshop of KVKs at BAU Sabour, Bhagalpur.
SEPTEMBER, 2024	
04th September, 2024	Chairperson attended DIVERSIFARM-India and SEMINAR through VC
05th September, 2024	Chairperson leads a special lecture on Teacher's Day 2024 at School of Life Sciences, Jawaharlal Nehru University, New Delhi
06th September, 2024	Chairperson attended Awareness Session on Enforcement of IPR in Seeds at Hotel Hyatt, Banjara Hills, Hyderabad.
09th September, 2024	Chairperson attended as Chief Guest for the 44th Convocation of Tamil Nadu Agricultural University at TNAU Coimbatore.
11th September, 2024	Chairperson Chair the Technical Session on "Emerging Issues in Seed Quality Regulation" at A.P. Shinde Symposium Hall, NASC Complex, New Delhi.
19th September, 2024	Chairperson attended 138th NAAS EC committee meeting at NASC Complex, New Delhi.
20th September, 2024	Chairperson attedned Fourth Meeting of the Committee to reassess the requirement of manpower of PPVFR Authority at Plant Authority Bhawan, New Delhi.
27-29 September 2024	Chairperson taken Interview for the selection of various officer position of the SKUAST University Viz. Directors/Deans/Registrar at Vice Chancellor's Secretariat, Main Campus, Shalimar, Srinagar, J&K.
OCTOBER, 2024	
08th October, 2024	Chairperson attended meeting to discuss the strategy for preparation of national policy on GM (Crops) at Krishi Bhawan.
08th October, 2024	Chairperson attended Fifth Meeting of the Committee for Publication of 7th Revised Edition of the Handbook of Agriculture at Plant Authority Bhawan, New Delhi.
09th October, 2024	Chairperson attended meeting to discuss regarding registration of varieties notified under Seed Act, 1968 and farmers' variety through VC.
19th October, 2024	Chairperson attended as Chief Guest for the "Awareness Programme on

	PPVFRA Act, Fruit Diversity Show and Field Day" at CHES (ICAR-IIHR), Chettalli, Bengaluru.
23-25 October, 2024	Chairperson delivered Keynote Lecture in the Technical Session in National Conference on Managing Agro-Biodiversity in North Eastern India at ICAR Research Complex for North Eastern Hill Region, Umiam, Meghalaya.
25th October, 2024	Chairperson attended as Chief Guest during inauguration of a Conference on "GeneRative AI for Nurturing Sustainable Agriculture (GRAINS) 2024" at Ahmedabad University.
28th October, 2024	Chairperson attended the meeting of Issue of NOC for opening of Agriculture & allied disciplines at Krushi Bhawan, Bhubaneswar, Odisha.
28th October, 2024	Chairperson taken Viva Voce for Ph.D. Thesis of Mrs. Madhuchhanda Parida at Department of Biotechnology, Utkal University, Bhubaneswar.
30th October, 2024	Chairperson attended 67th Meeting of Board of Trustees of TAAS at TAAS.
NOVEMBER, 2024	
07th November, 2024	Chairperson attended 52nd Foundation Day of the Agricultural Scientists Recruitment Board (ASRB) at A.P. Shinde, NASC Complex.
11th November, 2024	PPVFRA Celebrated Foundation Day of PPVFRA at Lecture Hall, NAAS, NASC Complex.
12th November, 2024	Chairperson attended Nomination/Search Committee Meeting of U.S. Awasthi IFFCO Awards 2024 through VC.
13th November, 2024	Chairperson attended the launch of the India- Netherlands Seed Secretariat at Netherlands Residence, 10, Dr. A .P.J. Abdul Kalam Road, New Delhi.
13th November, 2024	Chairperson attended German National Day Reception at German Residence, 6/50 G Shanti Path, Chanakyapuri.
19-20 November 2024	Chairperson inaugurate function of the Global Soils Conference 2024 & Chair the session on 50th Dr. R.V. Tamhane Memorial Lecture at Bharat Ratna C. Subramaniam Auditorium, NASC Complex.
21st November, 2024	Chairperson as Chief Guest in the Inaugural Function of National Conference ISAGBCON-2024 on "New Vistas in Harnessing Genetic Resources for Sustainable Animal Production"at Patna.
22nd November, 2024	Chairperson attended Online discussion for selecting a suitable candidate for 'Prof Sushil Kumar Innovation Award 2024'(SKIA-2024) through VC.
29th November, 2024	Chairperson attended as Chief Guest to the Community Seed Festival to Dasapalla, in Nayagarh, dist. Odisha.
30th November, 2024	Chairperson visits for "DUS testing in Rice" at NRRI - Cuttack, Odisha.
DECEMBER, 2024	
03rd December, 2024	Chairperson attended 39th Meeting of PPVFR Authority at Plant Authority Bhawan, New Delhi.
04th December, 2024	Chairperson attended Third meeting of the Committee for revising existing DUS test guidelines and to identify new crops for which DUS guidelines need to be developed under the Chairmanship of Dr. Mangla Rai, Former Secretary DARE & DG ICAR at Plant Authority Bhawan, New Delhi.
05th December, 2024	Chairperson attended as Chief Guest in World Soil Day of FICCI at FICCI, Federation House, New Delhi.
11th December, 2024	Chairperson attended as Guest of Honour in Inaugural Function and Plenary Lecture on the 02nd National Genetics Congress at National Physical Laboratory Auditorum, Pusa Campus, New Delhi.
16th December, 2024	Chairperson attended as Chief Guest in IIRR Foundation Day and deliver the Dr

	SVS Shastry Memorial Lecture at Hyderabad.
17th December, 2024	Chairperson attended National Conference on Digital Agriculture: Empowering Indian Farming at A.P. Shinde Symposium Hall, NASC Complex.
17th December, 2024	Chairperson attended meeting of the committee reassess the requirement of manpower of PPVFR Authority under the Chairmanship of Dr. P.L. Gautam, Chancellor, Dr. Rajendra Prasad Central Agricultural University at Plant Authority Bhawan.
18th December, 2024	Chairperson attended meeting with NIC to discuss about the progress of PARV (Portal to Apply for Registration of Varieties) and decide the futute course of action at Plant Authority Bhawan.
19th December, 2024	Chairperson attended 139th NAAS Excecutive Council Meeting at NASC Complex.
20th December 2024	Chairperson attended TAAS Award Ceremony at NAAS Auditorium, NASC Complex.
20th December, 2024	Chairperson attended First meeting of the committee to look into the issues relating to amendment in Rule 30 of PPVFR Rules, 2003 under the Chairmanship of Dr. P.L. Gautam, Chancellor, Dr. Rajendra Prasad Central Agricultural University at Plant Authority Bhawan.
24th December, 2024	Chairperson attended the meeting of Multi-Stakeholder Convention showcasing "Agro-Biodiversity in Rainfed Areas through Traditional Varieties for Climate Resilient Agriculture" at C. Subramaniam Auditorium, NASC Complex.
JANUARY, 2025	
08th January, 2025	Chairperson leads a lecture in National Symposium on Hybrid Technology for Enhanced Crop Productivity at AP Shinde Symposium Hall, NASC Complex
10th January, 2025	Chairperson attended as Chief Guest at the Inaugural session of International Conference on Millet as Future Food for Sustainable Planet at Central University of Odisha.
23rd January, 2025	Chairperson attended as Chief Guest on the occasion of 36th Foundation Day of ICAR-NRC on Yak at ICAR-NRC Arunachal Pradesh.
27th January, 2025	Chairperson attended a meeting related to Handbook of Agriculture at Plant Authority Bhawan.
28th January 2025	Chairperson participate as Guest of honour of the Inaugural Session and Chair one technical session 'Digital Innovations for Horticultural Crop Improvement' at IARI, New Delhi.
FEBRUARY, 2025	
03rd February, 2025	Chairperson visits M.S. Swaminathan Research Foundation and discuss about building partnership on conservation and protection of Plant Genetic Resources at Taramani, Chennai.
08th February, 2025	Chairperson deliver a plenary talk in the symposium of 'Celebrating life of Dr. Janaki Ammal' at Department of Botany, SPPU, Pune.
11th February, 2025	Chairperson attended a meeting of Second phase project on 'Next generation insect pest resistant cotton' in mission mode- meeting CSIR Hqrs., Anusandhan Bhawan, Rafi Marg, New Delhi.
14th February, 2025	Chairperson attended as First digital meeting of the Advisory Committee through VC.
18th February, 2025	Chairperson attended as Guest of Honour in the Inaugural Function of OUAT

	Farmers' Fair:2025 at Dr. M.S. Swaminathan Hall, OUAT, Bhubaneswar.
20th February, 2025	Chairperson attended National-level seminar of the Advisory Committee through VC mode.
20-22 February, 2025	Chairperson delivers a Plenary Lecture in XVII Agricultural Science Congress at GBPUA&T, Pantnagar
24th February, 2025	Chairperson Chaired in Technical session of INDIAN SEED CONGRESS – 2025 at Hotel Andaz, Aerocity, New Delhi.
28th February 2025	Chairperson attended PPVFRA Awareness Workshop in Andhra Pradesh and Tamil Nadu at Hyderabad.
MARCH, 2025	
1-4 March 2025	Chairperson attended Indian Orchid Festival 2025 at ICAR-NRC, Orchids, Pakyong, Sikkim.
05th March 2025	Chairperson attended National Seminar on Extension Strategies for Sustainable Food Systems in Dryland Areas at Rani Laxmi Bai Central Agricultural Univeristy, Jhansi.
11th March 2025	Chairperson attended Expert committee meeting and compliance of DRIEMS University thorugh VC.
17th March, 2025	Chairperson attended First meeting of the committee to suggest suitable amendment in PPVFR Act, 2001 and PPVFR Rules, 2003 under the Chairmanship of Padam Bhushan Dr. R. S. Paroda, Former Secretary, DARE & DG ICAR; and former Chairman Haryana Kisan Aayog at Plant Authority Bhawan.
18th March, 2025	Chairperson attended Plant & Animal Genome Conference at The Westin Gurgaon, New Delhi.
18th March 2025	Chairperson attended First Meeting of the Committee to look into issues relating to amendment in Rule 30 of PPVFR Rules, 2003 under the Chairmanship of Dr. P.L.Gautam, Chancellor, Dr. Rajendra Prasad Central Agricultural University at Plant Authority Bhawan.
20th March 2025	Chairperson attended as the Chief Guest in the inaugural Session of MIONP: Symposium on making India Organic, Natural & Profitable at NASC Complex.
21st March 2025	Chairperson attended Awareness Session on Enforcement of IPR in Seeds at Hotel Pride, Shivajinagar, Pune.
28th March 2025	Chairperson attended 58th Meeting of the Research Council of CSIR-NBRI at CSIR-NBRI Lucknow.

8.13. PARTICIPATION OF REGISTRAR-GENERAL IN VARIOUS MEETINGS AND DISCUSSIONS DURING 2024-25

MONTH	DESCRIPTION
MAY, 2024	
02nd May, 2024	As Chairman attended Session III "Centre-wise presentation of achievements under QSP and STR during 2023-24" in 27th Annual Breeder Seed Review Meeting and 39th AGM of AICRP on Seed (Crops) at UAS, Bengaluru
06th May, 2024	Attended as guest and deliver a talk on Role of PPV&FR Authority in protection of plant varieties among the farmers and farming communities on different Institutes, KVKs, ATARI's
JUNE, 2024	
09th June, 2024	Attended one day training-cum-awareness programme on Protection of Plant Varieties and Farmers' Rights Act, 2001 and Mango Diversity

	Show at Malda, W.B.
JULY, 2024	
21st July, 2024	Attended one day awareness-cum training programme on Protection of Plant Varieties and Farmers Rights Act (PPV&FRA) at Chhattisgarh
AUGUST, 2024	
02nd August, 2024 & 03rd August, 2024	Attended IRC meeting of ICAR-IISS, Mau as Resource Person on 2nd August, 2024 and for Guest Lecture for Training Program on PPV&FR Act, 2001 on 3rd August, 2024 at ICAR-IISS, Mau, Uttar Pradesh.
27th August, 2024 & 28th August, 2024	Participated in Annual Zonal Workshop for the KVKs on 27th August, 2024 as well as the Awareness programme on Protection of Plant Varieties and Farmers' Rights on 28th August, 2024 under ICAR-ATARI, Kolkata at OUAT-KVK Puri, Odisha
31st August, 2024	Participated in Annual Zonal Review Meeting of KVKs of Zone-IV on 31st August, 2024 organized by Sabour
SEPTEMBER, 2024	
06th September.2024	Participated in Session- Overview of Regional & National PVP Implementation - Challenges & Opportunities in Awareness Session (Enforcement of IPR in Seeds) on 6th September 2024, Hyatt Place, Banjara Hills, Hyderabad.
27th September.2024	Attended the Farmers Awareness Programme, KVK, ATARI on 27.09.2024 at Itanagar.
OCTOBER, 2024	
03rd October, 2024	Participated in Public Awareness Programme on Plant Variety Protection organized by JNKVV, Jabalpur
24th October, 2024 & 25th October, 2024	Attended as a convenor and delivered a lecture on Role of PPV&FRA in conservation and use of agrobiodiversity in National Conference on Managing Agrobiodiversity in North-Eastern India (NCMAN) from Biodiversity to Bio-wealth October 23-25, 2024 at ICAR Research Complex for North Eastern Hill Region, Umiam, Meghalaya
NOVEMBER, 2024	
06th November2024	Attended awareness programme on the protection of Plant Varieties and Farmers Rights Act to bring awareness among farming ITMU of ICAR-IISR Indore.
JANUARY, 2025	
21st January, 2025 & 22nd January, 2025	Participated in a session on the importance of landraces, heritage seeds, farmers empowerment and role of PPVFRA in "National Conference on Seed Chain Management in Eastern and North Eastern Hill Region: Challenges & Opportunities" on 21st to 22nd January, 2025 at CHES, ICAR-IIHR Bhubaneshwar and to deliver a lecture for the seed industry leaders from India and Asian region in the Cornell Seed Course at Hyderabad on 22nd January, 2024 in Cornell University, Hyderabad.
FEBRUARY, 2025	

28th February, 2025	Attended Training cum Awareness Workshop at ICAR- Agricultural Technology Application Research Institute (ATARI), Zone-X in CRIDA Campus, Santoshnagar, Hyderabad on 28th February, 2025.
MARCH, 2025	
03rd March, 2025	Participated in Indian Orchid Festival 2025 on 03.03.2025 at ICAR-National Research Centre for Orchids, Pakyong, Sikkim.
03rd March, 2025	Participated in Task Force Meeting to discuss DUS Guidelines for Orchids on 03.03.2025 at ICAR-NRC for ICAR-National Research Centre for Orchids, Pakyong, Sikkim.
21st March, 2025	Participated in Sensitization workshop in collaboration with the seeds industry jointly organized by PPVFRA for Awareness session on Enforcement of IPR in Seeds on 21st March, 2025 at Hotel Pride, Shivajinagar, Pune.
21st March, 2025	Participated in Stakeholders' consultation on findings study on royalty payments and PBR in Indian Floriculture, Pune on 21st March 2025 at KF Bioplants, Pune

9: Financial Statements of the Authority as on 31.03.2025

The financial statements were prepared under the historical cost convention in accordance with Generally Accepted Accounting Principles (GAAP), the applicable mandatory Accounting Standards (AS) issued by the Institute of Chartered Accountants of India (ICAI) and relevant presentational requirements for Central Autonomous Bodies as prescribed by the Controller General of Accounts (CGA). The Authority follows the accrual system of accounting in respect of all items of expenditure & income except where otherwise stated. A copy of Balance sheet as on 31 March, 2025, Income & Expenditure Account and Receipt & Payment Account for the year ended 31 March, 2025 are given.

In compliance with section 62(2) of PPVFRA Act, 2001, the accounts of the Authority were submitted to the Comptroller and Auditor General of India (C&AG). The audited accounts along with audit report and management's reply shall be sent to the Ministry separately for placing before both the houses of Parliament. The Authority has received Rs.3713.02 lakh as grants-in-aid from Department of Agriculture and Farmers' Welfare, during the year 2024–25 and utilized Rs.4002.65 lakh after adjusting unspent balance of Rs.786.98 lakh of previous year leaving a balance of Rs.497.35 lakh.

BALANCE SHEET AS AT 31st MARCH, 2025

		(Amount in Rupees)
Corpus / Capital Fund and Liabilities	**As at March 31, 2025**	**As at March 31, 2024**
Corpus/ Capital Fund	**2,41,22,80,989**	2,27,40,05,801
Reserves and Surplus	**-**	-
Earmarked / Endownment Funds	**-**	-
Secured Loans and Borrowings	**-**	-
Unsecured Loans and Borrowings	**-**	-
Deferred Credit Liabilities	**-**	-
Current Liabilities and Provisions	**25,40,52,053**	29,05,28,167
TOTAL	**2,66,63,33,042**	**2,56,45,33,968**
Assets		
Fixed Assets	**1,43,26,62,515**	3,30,84,308
Less: Accumulated Depreciation	**16,67,11,973**	2,68,78,538
Net Fixed Assets	**1,26,59,50,542**	62,05,770
Capital Work in Progress	**52,00,133**	1,25,23,85,787

Investments-From Earmarked/Endownment Funds	**-**	**-**
Investments - Others	**17,47,96,372**	89,68,00,219
Current Assets, Loans and Advances etc.	**1,22,03,85,995**	40,91,42,192
Miscellaneous Expenditure	**-**	**-**
(to the extent not written off or adjusted)		
TOTAL	**2,66,63,33,042**	**2,56,45,33,968**

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2025

				(Amount in Rupees)
	AUTHORITY FUND		**GENE FUND**	
Income	**For the year ended March 31, 2025**	**For the year ended March 31, 2024**	**For the year ended March 31, 2025**	**For the year ended March 31, 2024**
Income from Sales/ Services	-	-		-
Grants/Subsidies	**28,21,92,313**	28,35,88,133	**3,00,00,000**	3,00,00,000
Fees/Subscriptions	**2,57,56,551**	3,42,45,963	**1,10,71,312**	2,90,88,901
Income from Investments	**2,00,42,220**	3,16,18,539	**1,87,06,228**	2,67,72,348
Income from Royality, Publication etc.	-	-	-	-
Interest Earned	**2,54,30,001**	29,19,752	**1,38,68,585**	16,439
Other Income	**2,06,77,518**	1,64,50,086	**73,67,669**	34,96,515
Increase/(Decrease) in stock of Finished Goods and Works in Progress	-	-	-	-
Prior Period Adjustment A/c	**3,60,531**	3,17,61,609	-	3,03,24,266
TOTAL (A)	**37,44,59,134**	**40,05,84,082**	**8,10,13,794**	**11,96,98,469**
EXPENDITURE				
Establishment Expenses	**3,78,46,666**	3,81,48,313	-	-
Other Administrative Expenses etc.	**9,59,53,095**	7,98,21,388	**9,55,980**	1,14,57,857
Expenditure on Grants , Subsidies etc.	**15,51,14,553**	16,20,62,738	-	-
Interest	**42,31,131**	13,86,761	-	-

Depreciation/Amortization including Impairement Loss	**14,01,63,389**	20,59,643	**-**	-
Prior Period Adjustment A/c	**10,06,043**	2,91,87,931	-	67,970
TOTAL(B)	**43,43,14,877**	**31,26,66,774**	**9,55,980**	**1,15,25,827**
Balance being excess of Income Over Expenditure (A-B)	**(5,98,55,743)**	**8,79,17,308**	**8,00,57,814**	**10,81,72,642**

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH, 2025

(Amount in Rupees)

RECEIPTS	**For the year ended March 31, 2025**	**For the year ended March 31, 2024**	**PAYMENTS**	**For the year ended March 31, 2025**	**For the year ended March 31, 2024**
1. Opening Balances			1. Expenses		
a) Imprest (Cash In hand)			a) Establishment Expenses	**2,63,44,043**	2,31,85,025
Shivmoga Branch	**957**	-			
Palampur Branch	**1,066**	11,842	b) Administrative Expenses (incl. Projects) etc.	**6,57,35,657**	8,19,18,851
Ranchi Branch	**2,514**	673			
Guwahati Branch	**1,458**	1,458	2. Payments made against funds		
			a) Existing DUS Centres	**8,11,03,974**	8,77,57,642
b) Bank Balances			b) New DUS Centres	**1,40,30,990**	2,96,64,902
i. In Current Account			c) Field Gene Bank	**31,40,320**	28,94,858
State Bank of India	**29,69,417**	11,62,153			
SBI (Gene Fund)	**2,44,434**	2,09,95,351	3. Expenditure on fixed Assets and Capital Work in Progress		
SBI Palampur Branch	**2,256**	16,758	a)Purchase of Fixed Assets(Authorit)	**48,17,411**	14,50,227
			b) Capital Work-in-Progress	-	-
ii. In Deposit Accounts					

SBI-Gene Fund	**10,50,00,000**	7,50,00,000	4. Advance for Construction of Building given to Uttar Pradesh Rajkiya Nirman Nigam Ltd	**11,84,47,531**	2,09,85,093
Canara Bank-Gene Fund	**21,25,32,883**	15,93,43,786	Software- IASRI	-	2,55,543
UBI- Gene Fund	**12,57,14,917**	12,12,31,037			
Canara Bank-Authority	**37,39,82,973**	25,39,56,570	5. Grant release to Training Centres	**2,02,61,138**	33,75,003
UBI-Authority	**10,95,69,446**	16,71,04,312			
			6. Advance to outside Deptt.	**2,31,29,789**	44,93,697
iii. In Savings Accounts					
Canara Bank	**8,13,69,856**	3,68,25,577	7. Interest paid to Consolidated Fund of India	**16,45,103**	11,78,608
SBI Guwahati Branch	**1,46,289**	1,42,396			
SBI Ranchi Branch	**27,923**	1,28,540	8. Contribution to Gene Fund	**3,00,00,000**	3,00,00,000
Canara Bank Shivamogga Branch	**3,64,985**	5,16,526			
Bank of Maharashtra Pune Branch	**1,47,392**	1,40,540	9. Refund of Fees / Subscriptions/Other Income		
UBI	**1,87,18,686**	14,14,411	Refund of Application/Registration Fees/DUS Fee/Annual Renewal Fee/PV Fee etc.	**32,000**	1,20,200
ICICI Bank	**35,707**	-			
			10. Contribution to ITPGFRA	-	1,06,72,684
2. Grants received from Government of India	**37,13,02,000**	38,52,03,851			
			11. Other Prior Period Adjustment A/c	**2,58,000**	2,39,27,935
3. Interest Received from Bank (incl. Accrued Interest)	**8,10,96,960**	3,47,17,640			

			12. Advance to Employee of PPVFRA	**4,06,884**	10,46,797
4.Refund of Grant from Exisitng DUS Centre	**1,47,851**	16,47,746			
			13. Security Deposit Refund	-	60,000
5.Refund of Grant from Training Centres	**15,14,558**	3,32,309			
			14. Statutory Liabilities Paid	**1,52,01,498**	1,23,52,807
6. Refund of Grant for Development of DUS Guidelines (New DUS Centre)	-	1,05,485			
			15. Other Remmittances	**1,42,668**	1,06,276
7. Refund of Advance from Employees	**1,09,930**	3,05,708			
			16. Closing Balances		
8. Fees / Subscriptions/Other Income			a) Imprest (Cash In hand)		
Application/Registration Fees	**1,30,13,600**	90,79,000	Shivmoga Branch	-	957
PV Subscription Fees	**2,34,500**	26,25,500	Palampur Branch	-	1,066
Annual Fees (Including Share from sale of Seeds)- Gene Fund	**1,09,67,147**	2,25,08,869	Ranchi Branch	**5,288**	2,514
DUS Test Fees	**83,30,900**	83,54,150	Guwahati Branch	**3,965**	1,458
Other Income (including prior period)	**2,42,27,456**	1,99,29,631			
Annual Renewal Fees	**39,58,000**	91,23,313	b) Bank Balances		
Sale of Old Newspapers,Scrap	-	630	i. In Current Account		
			State Bank of India	**58,60,025**	29,69,417
9. Contribution from Authority Fund	**3,00,00,000**	3,00,00,000	SBI (Gene Fund)	**7,19,386**	2,44,434

			SBI Palampur Branch	**55,804**	2,256
10. Refund received from Tata Power	**6,18,095**	15,24,729			
			ii. In Deposit Accounts		
11. Refund from Income Tax Department (incl. Interest etc.)	-	21,08,320	SBI-Gene Fund	**7,50,00,000**	10,50,00,000
			Canara Bank-Gene Fund	**40,30,85,821**	21,25,32,883
12. Surplus from GPF Account	-	7,20,496	UBI-Gene Fund	**3,82,43,585**	12,57,14,917
			Canara Bank-Authority	**56,42,53,462**	37,39,82,973
			UBI-Authority	**1,86,52,322**	10,95,69,446
			iii. In Savings Accounts		
			Canara Bank	**6,47,96,014**	8,13,69,856
			SBI Guwahati Branch	**1,24,262**	1,46,289
			SBI Ranchi Branch	**13,748**	27,923
			Canara Bank Shivamogga Branch	**1,35,629**	3,64,985
			Bank of Maharashtra Pune Branch	**1,51,488**	1,47,392
			ICICI Bank	**45,576**	35,707
			Union Bank of India	**4,07,941**	1,87,18,686
			HDFC Bank	**1,02,834**	-
TOTAL	**1,57,63,54,156**	**1,36,62,79,307**		**1,57,63,54,156**	**1,36,62,79,307**

10: Citizen's Charter

10.1 VISION OF THE AUTHORITY:

To ensure an effective system for protection of plant varieties, the rights of the farmers, plant breeders and to encourage the development of new varieties of plants.

10.2 OBJECTIVES OF THE AUTHORITY:

- To provide an effective system for protection of plant varieties and rights of farmers, plant breeders and researchers.
- To protect plant breeders' rights and to stimulate investment for Research & Development and evolution of new varieties.
- To recognize the farmers in respect of their contributions made for conserving, improving and making available plant genetic resources for development of new plant varieties.
- To facilitate the growth of seed industry to ensure production and availability of high quality seeds and planting material to the farmers.

10.3 FUNCTIONS OF THE AUTHORITY:

- Encourage the development of new varieties of plants and to protect the rights of the farmers and the plant breeders.
- Establishment of National Gene bank for orthodox seeds and field gene banks for perennial crops
- Registration of new and extant varieties of plants
- Developing documentation of registered plant varieties
- Documentation, indexing and cataloguing of farmers' varieties
- Compulsory cataloguing facility for all varieties of plants
- Ensuring seeds of varieties registered under the Act are available to farmers and providing for compulsory license, if needs arise
- Ensuring maintenance of National Register of plant varieties
- Utilization of Gene Fund for supporting the conservation and sustainable use of plant genetic resources and capacity building of the panchayats in carryings out such conservation and sustainable use and meeting the expenditure of the schemes relating to benefits sharing and compensations to the stakeholders Protection of Plant Varieties and Farmers' Rights is a unique subject involving diverse activities, initiatives and stakeholders. The stakeholders of Protection of Plant Varieties and Farmers' Rights Authority are Central Government, State Governments, Union Territories, Research Organizations including State Agricultural Universities, Seed Industries, NGOs and above all the farmers including tribal farming communities.

10.4 SERVICES OFFERED BY THE AUTHORITY:

- Providing IPR protection to plant varieties bred by farmers, researchers/ plant breeders in the form of plant variety registration

- Maintaining National Register of Plant varieties wherein details of plant varieties and the rights of respective breeders are documented
- Providing compensation to the farmers in case a registered variety does not perform as per the claim made by the breeders
- Facilitating benefit sharing to the communities/ farmers for the contribution/ sharing of plant genetic resources
- Creating awareness and capacity building for the rights of plant breeders and farmers towards implementation of PPVFR Act, 2001
- Developing plant varieties database for the stakeholders
- Supporting and rewarding farmers and communities of farmers, particularly the tribal and rural communities, engaged in conservation, improvement and preservation of genetic resources

10.5 GRIEVANCES REDRESSAL MECHANISM:

Registrar-General, PPVFRA, is designated as the 1st Appellate Authority for RTI matters and can be contacted at:

Dr. D.K. Agarwal,
Registrar-General,
1st Appellate Authority
Protection of Plant Varieties and Farmers' Rights Authority, Plant Authority Bhawan, Near NASC Complex, DPS Marg, Opposite Todapur, New Delhi-110012.
Ph: 011-25843632, Fax: 011-25840478
E-mail: rg-ppvfra@nic.in; www.plantauthority.gov.in

Deputy Registrar, PPVFRA, is designated as the Central Public Information Officer to address the RTI matters and can be contacted at:

Sh. Uma Kant Dubey,
Deputy Registrar
Central Public Information Officer
Protection of Plant Varieties and Farmers' Rights Authority, Plant Authority Bhawan, Near NASC Complex, DPS Marg, Opposite Todapur, New Delhi-110012
Ph: 011-25843853, Fax: 011-25840478
E-mail: uk.dubey@gov.in; www.plantauthority.gov.in

Annexure I: Members of PPVFR Authority (As on 31st March, 2025)

S.No	Name	Designation	Address
1	Dr. P.K. Singh	Agriculture Commissioner	Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India, Krishi Bhawan, New Delhi – 110 001
2	Dr. D.K.Yadav	Deputy Director General (Crop Science)	Division of Crop Science, ICAR, Ministry of Agriculture and Farmers Welfare, Govt. of India, Krishi Bhawan, New Delhi - 110 001
3	Shri Ajeet Kumar Sahu	Joint Secretary (Seeds)	Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India Krishi Bhawan, New Delhi – 110 001
4	Dr. Prabhat Kumar	Horticultural Commissioner	Department of Agriculture and Farmer Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India, Krishi Bhawan, New Delhi - 110001
5	Dr. G.P. Singh	Director	National Bureau of Plant Genetic Resources, Pusa, DPS Marg, New Delhi-110 012
6	Dr. Sanjay Mishra	Senior Adviser	Department of Biotechnology, Ministry of Science & Technology, Govt. of India, 7th Floor, Block- 2, CGO Complex, Lodhi Road, New Delhi- 110003.
7	Shri. Raghu Kumar Kodali	Scientist 'G'	CS-III (Biodiversity) Division, MoEFCC, New Delhi-110003.
8	Sh. Madhab Charan Prusty	Sr. Govt. Advocate	Department of Legal Affairs, 422-A, 4th Floor, A-Wing, Shastri Bhawan, New Delhi-110001.
9	(vacant since 30.09.2023)		
10	(vacant since 30.09.2023)		
11	(vacant since 30.09.2023)		
12	(vacant since 17.08.2023)		

13	(vacant since 30.09.2023)		
14	(vacant since 17.08.2023)		
15	(vacant since 17.08.2023)		

Annexure II: Details of Human Resources of PPVFR Authority as on 31st March, 2025

S. No	Name	Designation	Pay Level as per 7th CPC
1.	Dr. T. Mohapatra	Chairperson	Level 17 (Rs. 225000/-)
2.	Dr. Dinesh. K. Agarwal	Registrar -General	Level 15 (Rs. 144200-218200/-)
3.	**Vacant (w.e.f. 01.08.2022)**	Registrar	Level 13 (Rs.123100-215900)
4.	**Vacant (w.e.f. 12.08.2022)**	Registrar	
5.	**Vacant (w.e.f. 05.12.2018)**	Registrar	
6.	Sh. Vipin Tyagi	Financial Advisor	
7.	Sh. D. R. Choudhury	Joint Registrar	Level 12 (Rs.78800-209200)
8.	**Vacant (11.11.2017)**	Joint Registrar	
9.	Sh. D.S. Raj Ganesh	Legal Advisor	Level 11 (Rs.67700-208700)
10.	Sh. U.K. Dubey	Deputy Registrar	
11.	**Vacant ()**	**Deputy Registrar**	
12.	Sh. Arun Kumar	Legal Advisor	
13.	Dr. A. K. Singh	PVE	Level 7 (Rs. 44900-142400)
14.	Dr. D. S. Pilania	Technical Assistant	Level 6 (Rs. 35400-112400)
15.	Sh. Arvind Kumar Rai	Computer Assistant	
16.	Sh. Sanjay Kr. Gupta	Computer Assistant	
17.	Smt. Shipra Mathur	Computer Assistant	
18.	Sh. Nitesh Kumar Verma	Computer Assistant	
19.	Sh. Shyam Narayan Prasad	Computer Assistant	

Annexure III: Statement Showing Funds Released to New DUS Centres/Projects During 2024-25

S.No.	Name of the New DUS Centre	Crop	Release During 2024-25 (in Rs.)
1	ICAR-IIHR, Bangalore	Papaya and Custard Apple	3,43,419
2	Dr.Y.S. Parmar University of Horticulture & Forestry, Solan	Carnation	4,72,266
3	TNAU, Coimbatore	Papaya and Custard Apple	3,61,750
4	UHS, Bagalkot	Moringa Oleifera Lam	2,34,767
5	TNAU, Coimbatore	Neem, Karanj & Jatrapha	2,38,315
6	Dr. Y. S. Parmar University of Horticulture & Forestry, Solan	Willow (Salix Species)	3,93,044
7	Dr.Y.S. Parmar University of Horticulture & Forestry, Solan	Ajwain, Dill, Nigella, Celery & Anise	5,29,767
8	IFGTB, Coimbatore	Ailanthus	1,91,000
9	ICAR-IIHR, Bangalore	Gerbera	2,12,046
10	UAS Dharwad	Cowpea	9,13,681
11	Dr. Y. S. Parmar University of Horticulture & Forestry, Solan	Seabuckthorn	3,71,151
12	ICAR-IARI, New Delhi	Radish and Carrot	3,00,000
13	UAS, GKVK, Bangalore	Jackfruit	4,97,545
14	ICAR-IARI, New Delhi	Broccoli	2,48,629
15	BSKKV, Dapoli	Kokum	4,47,028
16	SKAUST- K, Srinagar	Saffron	2,83,506
17	Dr. Y. S. Parmar University of Horticulture and Forestry, Solan (Regional stn. Sirmour)	Dahlia	9,22,760
18	UAHS, Shivamogga	Anthurium	7,11,637
19	SKUAST, Srinagar	Kalazeera	2,35,914
20	TNAU, Coimbatore	Black Gram	7,93,948
21	ICAR-IARI, New Delhi	Sponge Gourd	1,41,066

22	IIVR, Varanasi	Sponge Gourd	7,71,000
23	ICAR-IARI, New Delhi	Lettuce	1,05,180
24	NBPGR, RS, Shimla	Grain Amarnth & Buck Wheat	4,75,651
25	ICAR-IIHR, Bangalore	Curry Leaves	2,30,821
26	NRC on Litchi, Muzaffarpur	Litchi & Guava	3,71,094
27	UAS, GKVK, BANGALORE	Chilli, Bell Peprika	1,86,049
28	ICAR-IIHR, Bangalore	Dragon Fruit	13,61,556
29	CIAH, Bikaner	Mahua	1,50,000
30	CITH, Srinagar	Olive	7,29,000
31	RRII, Rubber Board, Kotttayam	Rubber	8,07,400
TOTAL			**1,40,30,990**

Annexure IV: Statement Showing Funds Released to Existing DUS Centres/Projects during 2024-25

S. No.	Name of DUS Centre	Crop	Release During 2024-25 (in Rs.)
1	ICAR-IIHR, Bangalore	Tuberrose & Carnation	3,24,466
2	BCKV, (Bidhan Chandra Krishi Visavidyalaya), Kalyani	Pointed Gourd	6,58,256
3	ICAR-IIHR, Bangalore	Jasmine	3,84,319
4	ICAR-CITH, Srinagar	Peach, Plum, Apple, Almond, Pear, Apricot & walnut	9,66,322
5	ICAR-CISH Lucknow	Mango	15,71,595
6	RARI, Durgapur, Jaipur	Barley	6,62,469
7	ICAR-DFR, PUNE	Tuberose	7,38,893
8	ICAR-IARI, New Delhi	Bouganvilla	3,35,004
9	MPKV, Rahuri	China astar	2,26,605
10	JNKVV, Jabalpur	Field Pea, Linseed & Lentil	14,56,398
11	CIMAP, Lucknow	Medicinal Plants	2,36,239
12	ICAR-CIAH, Bikaner	Ber	4,27,413
13	ICAR-IARI, New Delhi	Bottle gourd, Bitter Gourd, Pumpkin & Cucumber	7,44,224
14	ICAR-IIHR, Bangalore	Mango	3,78,458
15	ICAR-NRC, Trichy	Banana	4,25,236
16	TRA, Tocklai	Tea	4,52,568
17	ICAR-CARI, Port Blair	Noni	3,36,021
18	TNAU, Coimbatore	Small Millet	5,17,347
19	TNAU, Coimbatore	Jasmine	3,75,025
20	ICAR-DGR, Junagarh	Groundnut	2,53,254
21	JNKVV, Jabalpur	Sesame and Niger	2,75,155
22	ICAR-IIHR, Bangalore	Watermelon and Muskmelon	6,59,460
23	Dr. Y. S. Parmar University of Horticulture & Forestry, Solan	Poplar Germplasm	3,96,350

24	ICAR-IIHR, Bangalore	Amaranth, Spinach & Ridge Gourd	7,99,736
25	ICAR-NRCSS, Ajmer	Seed Spices	1,79,795
26	AAU, Jorhat	Rice	8,71,831
27	ICAR- IARI, New Delhi	Marigold	4,19,657
28	ICAR-VPKAS, Almora	Rajma, Soybean & Maize	11,25,502
29	ICAR-DOGR, Rajgurunagar	Onion and Garlic	4,67,446
30	ICAR-NRCP, Sholapur	Pomegranate	3,80,103
31	ICAR-IARI, New Delhi	Onion and Garlic	10,83,383
32	ICAR-IISR, Lucknow	Sugarcane	8,00,094
33	ICAR-IIHR, Bangalore	Betel Vine	3,99,597
34	CSAUA&T, Kanpur	Mustard & Wheat	6,82,053
35	ICAR-IISR, Calicut	Spices	3,99,441
36	ICAR-DSR, Indore	Soybean	3,50,609
37	ICAR-IIPR, Kanpur	Mungbean, Urdbean, Lentil, Rajma & Pea	6,57,946
38	ICAR-NRC, Pune	Grapes	5,52,863
39	ICAR-IARI, Regional Station, Karnal	Rice	12,64,999
40	ICAR-SBI, Coimbatore	Sugarcane	16,58,746
41	IGKV, Raipur	Grow out Test (Rice)	8,78,993
42	ICAR-SBI, Karnal	Sugarcane	3,23,772
43	ICAR-IIWBR, Karnal	Barley & Wheat	26,69,251
44	ICAR-DRMR, Bharatpur	Rapeseed and Mustard	4,05,713
45	RAU, Bikaner-Mandore AICPMIP, Jodhpur	Pearl Millet	4,62,414
46	PAU, Ludhiana	Oat, Cowpea & Guinea Grass & Cotton	8,35,782
47	ICAR-CTCRI, Trivandrum	Elephant Footyam, Taro, Yam Bean & Greater Yam	3,36,315
48	ICAR-NRRI, Cuttack	Rice	14,15,070
49	PDKV, Akola	Pigeion Pea, Chickpea, Red Gram & Safflower	5,93,771

50	ICAR- IARI, New Delhi	Amaranth, Palak, Ridge Gourd	7,47,985
51	DMAPR, Anand	Medicinal & Aromatic Plants	3,44,727
52	CCSHAU, Hisar	Cotton & Chickpea	9,33,828
53	ICAR-IARI, Regional Station Indore	Wheat	5,41,254
54	ICAR-CPRI, Shimla	Potato	22,14,360
55	NEH Region Barapani Manipur & Nagaland	Rice	14,61,847
56	ICAR- IARI, New Delhi	Cabbage and Cauliflower	15,16,105
57	PJTSAU, Hyderabad	Maize	18,16,334
58	TNAU, Coimbatore	Rice, Sunflower & Groundnut	7,77,113
59	ICAR-CTCRI Regional Station Bhubaneshwar	Sweet Potato and Cassava	7,09,613
60	ICAR-IIMR, Hyderabad	Sorghum	8,25,767
61	CRIJAF, Barrackpore & CSRS, Budbud	Jute	14,53,684
62	MPKV, Rahuri	Cotton	10,01,361
63	ICAR-IIOR, Hyderabad	Sunflower, Castor & Safflower	5,15,873
64	ICAR-CPCRI, Kerala	Coconut	3,75,246
65	UAS, GKVK, Banglore	Small Millet	5,83,480
66	ICAR-CISH, Lucknow	Guava & Litchi	3,45,066
67	ICAR-IIPR, Kanpur	Chickpea & Pigeon pea	6,75,379
68	MPKV, Rahuri	Sorghum, Pearl Millet & Chickpea	18,99,124
69	ICAR-IIHR, Bangalore	Vegetables	19,93,730
70	UAS, Dharwad	Cotton, Soybean, Groundnut, Durum Wheat and Sesame	12,23,807
71	ICAR-IIHR, Bangalore	Rose & Chrysanthemum	5,96,077
72	ICAR-IIRR, Hyderabad	Rice	7,84,266
73	ICAR-IIMR, New Delhi	Maize	13,79,785

74	ICAR-CICR, Coimbatore	Cotton	8,17,606
75	ICAE-CICR, Nagpur	Cotton	21,75,484
76	ICAR-IIVR, Varanasi	Okra, Brinjal, Tomato, Cabbage & Cauliflower etc.	33,84,346
77	ICAR-CCRI, Nagpur	Citrus, Acid Lime Sweet Orange & Mandarin	4,30,117
78	ICAR-IARI, New delhi	Chrysanthamum	4,08,481
79	ICAR-IIVR , Varanasi	Pointed Gourd	6,74,715
80	ICAR-IIHR, Bangalore	Crossandra	3,66,175
81	Dr. Y S R Horticulture University, Guntur, Andhra Pradesh	Chilli & Paprika	3,33,400
82	Dr. Y S R Horticulture University, Guntur, Andhra Pradesh	Crossandra	2,38,000
83	CSKHPKV, Palampur	Chilli, Paprika & Bell Pepper	9,08,981
84	UHS, Bagalkot	Chilli, Paprika & Bell Pepper	9,01,232
85	SDAU, SK Nagar, Gujurat	Grain Amaranth	4,02,712
86	PDKV, AKOLA Collaborating Center	Mung Bean	7,34,977
87	CSKHPKV, Palampur	Buckwheat	6,76,806
88	CIAH, Bikaner	Watermelon and Muskmelon	2,89,813
89	PAU, Ludhiana	Faba Bean	4,15,478
90	ICAR- NBPGR, New Delhi	Faba Bean	3,14,891
91	ICAR-Directorate of Research Puttur	Cashew	1,83,849
92	ICAR-AICRP Jodhpur	Pearl Millet	3,00,000
93	ICAR-CTCRI, Thiruvananthapuram	Yambean Greater	6,64,114
94	IIPR Kanpur	Pigeon Pea	4,69,529
95	BSKKV, DAPOLI	Nutmeg	3,50,759
96	CIAH, Bikaner	Bael	2,10,506
97	CIAH, Bikaner	Chironji & Tamrind	1,91,482
98	CIAH, Bikaner	Datepalm	3,81,418
99	CIAH, Bikaer	Jamun	1,63,811
100	CISH, Lucknow	Aonla	3,83,706
101	CISH, Lucknow	Bael	4,34,723

102	CISH, Lucknow	Jamun	2,71,399
103	UAS, Dharwad	Durum Wheat	4,32,636
104	CPCRI, Karnataka	Arecanut	87,078
105	CTRI, Rajahmundry	Bidi & Tabbaco	4,73,889
106	DFR, Pune	Rose	4,55,589
107	ICAR-IARI, New Delhi	Gladiolus	3,92,488
108	ICAR-IARI, New Delhi	Lemon & pummelo	8,20,008
109	ICAR-IARI, New Delhi	Raddish & Carrot	6,15,491
110	ICAR-IARI, Regional Station, Katrain, Kullu	Raddish & Carrot	2,42,665
111	IFGTB, Coimbatore	Tectona Grandis	4,22,005
112	ICAR-IIHR, Bangalore	Dolichos Bean	1,89,528
113	ICAR-IIHR, Bangalore	Marigold	3,49,004
114	ICAR-IIHR, Bangalore	China Aster	3,50,243
115	NEH, Region, UMIAM, Meghalaya	Lemon & pummelo	4,26,190
116	CIMAP, Lucknow	Aswagandha	8,36,880
TOTAL			**8,11,03,974**

Annexure V: Statement Showing Funds Released to Field Gene Banks during 2024-25

S. No.	Name of Centers	Release During 2024-25 (in Rs.)
1	Dr. Balasaheb Konkan Krishi Vidyapeeth, Dapoli	9,14,141
2	NBPGR, New Delhi	9,99,824
3	YSPUH, Solan	12,26,355
TOTAL		**31,40,320**

Annexure VI: Statement Showing Funds Released to the Organisation/Centre for Training & Awareness during 2024-25

S. No.	Name of Beneficiary	Release During 2024-25 (in Rs.)
1	Birsa Agriculture University, Ranchi	1,50,000
2	IGKVV, Raipur	2,25,000
3	CSAU&T Kanpur	1,76,138
4	CISH Lucknow	3,60,000
5	NRC of Orchids, Sikkim	2,25,000
6	UAS, Dharwad	1,00,000
7	Zonal Projects Directorate -Zone -XI, Bangalore	27,00,000
8	Zonal Projects Directorate, ICAR Zone -IX, Jabalpur	13,50,000
9	Indian Society of Genetics & Plant Breeding	5,00,000
10	Zonal Project, Director, ICAR, Zone- IV, Patna, Bihar	13,50,000
11	Comp. TNAU, Coimbatore	3,00,000
12	Dhaanyaganga Krishi Vigyan Kendra	1,50,000
13	Zonal Project, Director, ICAR, Zone-V, Kolkata	42,00,000
14	IISS, MAU	50,000
15	KVK, Imphal, West Manipur	1,50,000
16	LKVK, Phek, Nagaland	1,50,000
17	Zonal Project, Director, ICAR, Zone-1, Ludhiana	11,25,000
18	Zonal Project, Director, ICAR, Zone-VII, Barapani	16,50,000
19	Zonal Project, Director, ICAR, Zone-VI, Guwahati	24,75,000
20	Zonal Project, Director, ICAR, Zone-VIII, Pune	13,50,000
21	Zonal Project, Director, ICAR, Zone-X, Hyderabad	15,25,000
TOTAL		**2,02,61,138**

Annexure VII: Crops under Registration

Sr. No.	Crop	Botanical name
1.	Rice	*Oryza sativa* L.
2.	Bread wheat	*Triticum aestivum* L
3.	Maize	*Zea mays* L.
4.	Sorghum	*Sorghum bicolor* (L.) Moench
5.	Pearl millet	*Pennisetum glaucum* (L.) R.Br.
6.	Chickpea	*Cicer arietinum* L.
7.	Mungbean	*Vigna radiata* (L.) Wilczek
8.	Urdbean	*Vigna mungo* (L.) Hepper
9.	Fieldpea	*Pisum sativum* L.
10.	kidney bean	*Phaseolus vulgaris* L.
13	Indian mustard	*Brassica juncea* L. Czern & Coss
14	Karan rai	*Brassica carinata* A Braun
15	Rapeseed(toria)	*Brassica rapa* L.
16	Gobhi sarson	*Brassica napus* L.
17	Groundnut	*Arachis hypogaea* L.
18	Soybean	*Glycine max* (L.) Merrill
19	Sunflower	*Helianthus annuus* L.
20	Safflower	*Carthamus tinctorius* L.
21	Castor	*Ricinus communis* L.
22	Sesame	*Sesamum indicum* L.
23	Linseed	*Linum usitatissimum* L.
24	Diploid cotton	*Gossypium arboreum* L.
25	Diploid cotton	*Gossypium herbaceum* L.
26	Tetraploid cotton	*Gossypium hirsutum* L.
27	Tetraploid cotton	*Gossypium barbadense* L.
28	Jute	*Corchorus olitorius* L.
29	Jute	*Corchorus capsularis* L.
30	Sugarcane	*Saccharum* L.
31	Black pepper	*Piper nigrum* L.
32	Small cardamom	*Elettaria cardamomom* Maton

33	Turmeric	*Curumma longa* L.
34	Ginger	*Zingiber officinale* Rosc.
35	Tomato	*Lycopersion lycopersicum* (L.) Karsten ex. Farw.
36	Brinjal	*Solanum melongena* L.
37	Okra	*Abelmoschus esculentus* (L.) Moench.
38	Cauliflower	*Brassica oleracea* L.var. *botrytis*
39	Cabbage	*Brassica oleracea* L. var *capitata*
40	Potato	*Solanum tuberosum* L.
41	Onion	*Allium cepa* L.
42	Garlic	*Allium sativum* L.
43	Rose	*Rosa* spp.*(*other than *R.damascena)*
44	Chrysanthemum	*Chrysanthemum* spp.
45	Mango	*Mangifera indica* L.
46	Duram wheat	*Triticum durum* Desf.
47	Dicoccum wheat	*Triticum dicoccum* L.
48	Other Triticum species	
49	Isabgol	*Plantago ovata* Forsk
50	Menthol mint	*Mentha arvensis* L.
51	Damask Rose	*Rosa damascena* Mill
52	Periwinkle	*Catharanthus roseus* L.
53	Brahmi	*Bacopa monnieri* L.Pennell
54	Coconut	*Cocos nucifera* L.
55	Orchids	*Vanda*
56	Orchids	*Dandrobium*
57	Orchids	*Cymbidium*
58	Pomegranate	*Punica granatum* L
59	Orchid	*Cattleya* Lindl.
60	Orchid	*Phalaenopsis* Blume
61	Eucalyptus	*Eucalyptus camaldulensis* Dehnh.
62	Eucalyptus	*Eucalyptus tereticornis* Sm.
63	Casurina	*Casuarina equisetifolia* L
64	Casurina	*Casuarina junghuhniana* Miq.
65	Bitter Gourd	*Momordica charantia* L.
66	Bottle Gourd	*Lagenaria siceraria (*Mol.*)* Standl.

67	Cucumber	*Cucumis sativus* L.
68	Pumpkin	*Cucurbita moschata* Duch. ex Poir.
69	Barley	*Hordeum vulgare* L.
70	Coriander	*Coriandrum sativum* L.
71	Fenugreek	*Trigonella foenum graecum* L.
72	Almond	*Prunus dulcis* (Mill.) D.A. Webb
73	Apple	*Malus domestica* Borkh
74	Pear	*Pyrus communis* L.
75	Apricot	*Prunus armeniaca* L.
76	Cherry	*Prunus avium* L.
77	Walnut	*Juglans regia* L.
78	Grapes	*Vitis* spp.
79	Indian jujube (Ber)	*Ziziphus mauritiana* Lamk.
80	Tea	*Camellia sinensis*
81	Tea	*Camellia assamica*
82	Tea	*C.assamica* ssp *lasiocalyx.*
83	Acid Lime	*Citrus aurantifolia* Swingle
84	Mandarin	*Citrus reticulata* Blanco
85	Sweet Orange	*Citrus sinensis* (L.) Osbeck
86	Bougainvillea	*Bougainvillea Comm. Ex* Juss.
87	Banana	*Musa* spp.
88	Orchid	*Oncidium* Sw.
89	Canna	*Canna* L.
90	Gladioulus	*Gladioulus* L.
91	Muskmelon	*Cucumis melo* L.
92	Watermelon	*Citrullus Lanatus* (Thunb.) Mansf.
93	Jasmine	*Jasminum auriculatum*. L.
94	Tuberose	*Polianthes tuberose* L.
95	Papaya	*Carica papaya* L.
96	China Aster	*Callistephus chinensis* (L.)Nees.
97	Peach	*Prunus persica* L Batsch.
98	Japanese Plum	*Prunus salicina* L.
99	Strawberry	*Fragaria x ananasan* Duch.

100	Chilli, Bell Pepper and Paprika	*Capsicum annuum* L.
101	Finger Millet	*Eleusine coracana* (L.) Gaertn.
102	Foxtail Millet	*Setaria italic* (L.) Beauv
103	Vegetable Amaranth	*Amaranthus tricolor* L.
104	Ridge gourd	*Luffa acutangula* (L.) Roxb.
105	Spinach beet	*Beta vulgaris var. bengalensis* Roxb.
106	Carnation	*Dianthus caryophyllus* L.
107	Orchid	*Paphiopedilum Pfitz.*
108	Noni	*Morinda citrifolia* L.
109	Bael	*Aegle marmelos* (L.) Correa
110	Jamun/Black plum	*Syzygium cumini* (L.) Skeels.
111	Nutmeg	*Myristica fragrans* Houtt.
112	Jasmine/Mogra	*Jasminum sambac* L.
113	Custard apple / Sugar apple	*Annona squamosa* L.
114	Kalmegh /King of Bitters	*Andrographis paniculata* (Burm.f.) Wall. ex Nees
115	Karanj	*Pongamia pinnata* (L.) Pierre.
116	Neem	*Azadirachta indica* A. Juss.
117	Indian Gooseberry	*Emblica officinalis Gaertn*.
118	Guava	*Psidium guajava L*.
119	Litchi	*Litchi chinensis* Sonn.
120	Marigold	*Tagetesspp.* L.
121	Betelvine	*Piper betle* L.
122	Deodar	*Cedrus deodara* (Roxb.) G.Don
123	Chir Pine	*Pinus roxburghii* Sargent
124	Mulberry	*Morus spp.*
125	Jasmine	*Jasminum multiflorum* L.
126	Common/ Sweet Buckwheat	*Fagopyrum esculentum*
127	Tartary/ Bitter Buckwheat	*Fagopyrum tataricum*
128	Rajgeera (the King's grain) or Ramdana (Lord Rama's grain).	*Amaranthus hypocondricus*
129		*Amaranthus cruentus*
130		*Amaranthus caudatus*
131		*Amaranthus edulis*
132	Faba bean	*Vicia faba* L.

133	Jatropha	*Jatropha curcas* L.
134	Proso Millet	*Panicum maliaceum* L.
135	Barnyard Millet	*Echinocloa frumentaceae* (Roxb.) Link
136	Little Millet	*Panicum sumatrense* Roth. Ex. Roemer And Schultes
137	Kodo Millet	*Paspalum scorbiculatum* L.
138	Elephant Foot Yam	*Amorphophallus paeoniifolius*
139	Taro	*Colocasia esculenta*
140	Giant SwampTaro	*Cyrtosperma chamissionis/C.merkusii*
141	Cashew	*Anacardium occidental L.*
142	Arecanut	*Areca catechu L.*
143	Chironji	*Buchananialanzan Sperng.*
144	Tamarind	*Tamarindusindica* L.
145	Sweet potato	*Ipomoea batatas* (L.) Lam
146	Cassava	*Manihotesculenta* Crantz.
147	Poplar	*Populusdeltoides* Bartr.
148-154	Willow (7 species)	*Salix tetrasperma, Salix nigra, Salix jessoensis, Salix x rubens, Salix matsudana, Salix alba, Salix acmophylla* .
155	Oat	*Avena sativa* L.
156	Date Palm	*Phoenix dactylifera* L.
157	Moringa	*Moringa oleifers* L.
158	Melia	*Melia dubia Cav.*
159	Pointed Gourd	*Trichosanthes dioica Roxb.*
160	Crossandra	*Crossandra infundibuliformis* (L.) Nees.
161	Cowpea	*Vigna unguiculata* (L.)
162	Jackfruit	*Artocarpus heterophyllus* Lam.
163	Greater Yam	*Dioscorea alata* L.
164	Yam Bean	*Pachyrhizus erosus* (L.)
165	Seabuckthrorn	*Hippophae rhamnoides* L.
166	Ajwain	*Trachyspermum ammi* L.
167	Anise	*Pimpenella anisum* L.
168	Celery	*Apium graveolens* L.
169	Cumin	*Cuminum cyminum* L.
170	Dill	*Anethum graveolens* L. and *Anethum sowa* Roxb
171	Fennel	*Foeniculum vulgare* Mill.

172	Nigella	*Nigella sativa* L.
173	Horse gram	*Macrotyloma uniflorum* (Lam) Verdc
174	Gerbera	*Gerbera jamesonii* Adlem *ex.* Hooker *f*
175	Coffee	*Coffea arabica* L.
176	Coffee	*Coffea canephora* Pierre ex A. Froehner
177	Flue-Cured Virginia (FCV) and *bidi* tobaccos	*Nicotiana tabacum* (L.)
178	Moth bean	*Vigna aconitifolia* (Jacq.) Marechal.
179	Cluster bean	*Cyamopsis tetragonaloba* L. Taub
180	Cocoa	Theobroma cacao L.
181	Radish	Raphanussativus L.
182	Carrot	Daucuscarota L.
183	Teak	*Tectona grandis* L. f.
184	Kalazeera	*Bunium persicum* (Bioss.) Fedts.
185	Saffron	*Crocus sativus* L.
186	Dolichos bean	*Lablab purpureus* (L.) Sweet
187	Ash gourd	*Benincasa hispida* (Thunb.) Cogn.
188	Snake gourd	*Trichosanthes anguina* L.
189	Ivy gourd	*Coccinia grandis* (L.)
190	Kokum	Garcinia indica Choisy
191	Lemon	Citrus limon (L.) Burm. f
192	Pummelo	Citrus maxima (J. Burm.) Merr.
193	Lilium	*Lilium* sp., Oriental, Asiatic, LA Hybrids and OT Hybrid
194	Jasmine	*Jasminum spp*.
195	Ashwagandha	*Withania somnifera* (L.) Dunal
196	Olive	*Olea europaea* L.
197	Anthurium	*Anthurium andraeanum*
198	Sponge gourd	*Luffa cylindrica (L.) Roem*
199	Curry leaf	*Murraya koenigii (L.) Spreng*
200	Ailanthus	*Ailanthus excelsa. Roxb.*
201	Dahlia	*Dahlia spp*
202	Broccoli	*Brassica oleracea* (L.) var. *italica Plenck*
203	Lemon Grass	*Cymbopogan flexuosus L.*

Annexure VIII: Certificates of Registration issued during 2024-25

S.No.	Acknowledgement Number	Type of Variety	Denomination	Common Name	Applicant Name
1	REG/2008/333	Extant (VCK)	JKCH 99 Bt	Tetraploid Cotton	JK Agri Genetics Ltd
2	REG/2008/337	New	JKCH 1050 Bt	Tetraploid Cotton	JK Agri Genetics Ltd
3	REG/2008/478	Extant (VCK)	NCS-138 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
4	REG/2008/481	Extant (VCK)	NCS-954 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
5	REG/2008/482	Extant (VCK)	NCS-145 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
6	REG/2008/490	Extant (VCK)	NCHB-992 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
7	REG/2008/491	Extant (VCK)	NCHB 990 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
8	REG/2008/515	Extant (VCK)	M 3432	Maize	Mahyco Private Limited
9	REG/2008/537	Farmer	RAAVI MUSHKI-1	Rice	Kuldeep Singh Sandhu
10	REG/2008/542	New	NCS 910 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
11	REG/2008/543	New	NCHB 945 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
12	REG/2008/545	New	NCS 906 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
13	REG/2008/546	New	NCS 907 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
14	REG/2009/11	New	NPH-21	Rice	Nuziveedu Seeds Ltd
15	REG/2009/20	New	KCH-15 K39 BGII	Tetraploid Cotton	Kaveri Seed Company Ltd
16	REG/2009/43	New	BIO 6488-2 BG II	Tetraploid Cotton	DCM Shriram Limited
17	REG/2009/63	Extant (VCK)	NMH-459	Maize	Nuziveedu Seeds Ltd
18	REG/2009/64	Extant (VCK)	NMH-2277	Maize	Nuziveedu Seeds Ltd
19	REG/2009/70	Extant (VCK)	NCS -15	Tetraploid Cotton	Nuziveedu Seeds Ltd
20	REG/2009/74	Extant (VCK)	NBH 1024	Pearl Millet	Nuziveedu Seeds Ltd
21	REG/2009/78	Extant (VCK)	NCS-116	Tetraploid Cotton	Nuziveedu Seeds Ltd
22	REG/2009/81	Extant (VCK)	NCS-33	Tetraploid	Nuziveedu Seeds Ltd

				Cotton	
23	REG/2009/83	Extant (VCK)	NCS-165	Tetraploid Cotton	Nuziveedu Seeds Ltd
24	REG/2009/84	Extant (VCK)	NCS-81	Tetraploid Cotton	Nuziveedu Seeds Ltd
25	REG/2009/85	Extant (VCK)	NCS-44	Tetraploid Cotton	Nuziveedu Seeds Ltd
26	REG/2009/86	Extant (VCK)	NCS-99	Tetraploid Cotton	Nuziveedu Seeds Ltd
27	REG/2009/87	Extant (VCK)	NCS-999	Tetraploid Cotton	Nuziveedu Seeds Ltd
28	REG/2009/88	Extant (VCK)	NCS-36	Tetraploid Cotton	Nuziveedu Seeds Ltd
29	REG/2009/90	Extant (VCK)	NCS-5	Tetraploid Cotton	Nuziveedu Seeds Ltd
30	REG/2009/91	Extant (VCK)	NCS-101	Tetraploid Cotton	Nuziveedu Seeds Ltd
31	REG/2009/92	Extant (VCK)	NCS-3	Tetraploid Cotton	Nuziveedu Seeds Ltd
32	REG/2009/95	Extant (VCK)	NCS-16	Tetraploid Cotton	Nuziveedu Seeds Ltd
33	REG/2009/96	Extant (VCK)	NCS-109	Tetraploid Cotton	Nuziveedu Seeds Ltd
34	REG/2009/105	Extant (VCK)	NCS-555	Tetraploid Cotton	Nuziveedu Seeds Ltd
35	REG/2009/110	Extant (VCK)	BIO 428 H	Rice	DCM Shriram Limited
36	REG/2009/154	Extant (VCK)	NC-71 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
37	REG/2009/155	Extant (VCK)	NC-71 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
38	REG/2009/156	Extant (VCK)	NC-108 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
39	REG/2009/161	Extant (VCK)	NCS-570	Tetraploid Cotton	Nuziveedu Seeds Ltd
40	REG/2009/180	New	BIO 6588-2 BGII	Tetraploid Cotton	DCM Shriram Limited
41	REG/2009/221	Extant (VCK)	NC-108 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
42	REG/2009/244	New	NRJ-01	Sorghum	Nuziveedu Seeds Ltd
43	REG/2009/245	New	NRJ-02	Sorghum	Nuziveedu Seeds Ltd
44	REG/2009/246	Extant (VCK)	NC 1171 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
45	REG/2009/251	Extant (VCK)	NC-106 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
46	REG/2009/254	Extant (VCK)	NC-1118 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
47	REG/2009/279	Extant (VCK)	NC-1102 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
48	REG/2009/350	Extant (VCK)	DGJ-022	Sorghum	M/s Crystal Crop Protection Limited
49	REG/2009/421	New	Bio 60254I2	Tetraploid Cotton	DCM Shriram Limited
50	REG/2009/652	Farmer	BHUTMURI	Rice	Khiraijuri Malindasi S.K.U.S. Ltd
51	REG/2010/7	New	NCS-852 Bt 2	Tetraploid	Nuziveedu Seeds Ltd

				Cotton	
52	REG/2010/10	New	NCS-862 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
53	REG/2010/14	New	NCS-866 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
54	REG/2010/15	New	NCS-902 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
55	REG/2010/21	New	NCS-1914 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
56	REG/2010/26	New	NCS-1912 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
57	REG/2010/27	New	NCS-861 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
58	REG/2010/29	New	NCS-1913 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
59	REG/2010/30	New	NCS 1911 Bt	Tetraploid Cotton	Nuziveedu Seeds Ltd
60	REG/2010/54	New	PCH-879 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
61	REG/2010/58	New	PCH-882 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
62	REG/2010/78	New	PCH-408Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
63	REG/2010/82	New	PCH-407 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
64	REG/2010/84	New	PCH-105 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
65	REG/2010/86	New	PCH-1413 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
66	REG/2010/87	New	PCH-1412 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
67	REG/2010/94	New	PCH-401 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
68	REG/2010/95	Extant (VCK)	PCH-165	Tetraploid Cotton	Prabhat Agri Biotech Ltd
69	REG/2010/112	Extant (VCK)	PCH-406 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
70	REG/2010/113	New	PCH-403 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
71	REG/2010/115	Extant (VCK)	PCH-930 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
72	REG/2010/130	New	CA 8646	Castor	Mahyco Private Limited
73	REG/2010/215	New	DGB-016	Pearl Millet	M/s Crystal Crop Protection Limited
74	REG/2010/245	Extant (VCK)	BIO 322-2	Tetraploid Cotton	DCM Shriram Limited
75	REG/2010/261	Extant (VCK)	NSFH-36	Sunflower	Nuziveedu Seeds Ltd
76	REG/2010/262	Extant (VCK)	NSF-005	Sunflower	Nuziveedu Seeds Ltd
77	REG/2010/331	Extant (VCK)	VC-31	Tetraploid Cotton	Sungro Seeds Private Limited
78	REG/2010/348	New	PRCH - 709 Bt 2	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
79	REG/2010/350	Extant (VCK)	PRCH - 505 Bt 2	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd

80	REG/2010/359	New	PRCH - 704 Bt 2	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
81	REG/2010/362	New	PRCH - 333 Bt 2	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
82	REG/2010/363	New	PRCH - 721 Bt	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
83	REG/2010/366	New	PRCHB - 405 Bt	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
84	REG/2010/390	New	MHTM 302	Tomato	Mahyco Private Limited
85	REG/2010/405	Extant (VCK)	BJ 60213	Brinjal	Mahyco Private Limited
86	REG/2010/408	New	MEBH 39-Improved	Brinjal	Mahyco Private Limited
87	REG/2010/413	New	MEBH 10-Improved	Brinjal	Mahyco Private Limited
88	REG/2010/417	Extant (VCK)	SOK-586	Okra/Lady's Finger	Mahyco Private Limited
89	REG/2010/430	Extant (VCK)	S-EP-015	Brinjal	Mahyco Private Limited
90	REG/2010/431	Extant (VCK)	S-EP-011	Brinjal	Mahyco Private Limited
91	REG/2010/435	Extant (VCK)	S-EP-014	Brinjal	Mahyco Private Limited
92	REG/2010/436	Extant (VCK)	S-EP-022	Brinjal	Mahyco Private Limited
93	REG/2010/450	Extant (VCK)	S-EP-038	Brinjal	Mahyco Private Limited
94	REG/2010/455	Extant (VCK)	SONA	Tomato	Nuziveedu Seeds Ltd
95	REG/2010/458	Extant (VCK)	WHITE DIAMOND	Cauliflower	Nuziveedu Seeds Ltd
96	REG/2010/460	New	RIYA	Cauliflower	Nuziveedu Seeds Ltd
97	REG/2010/463	New	NO-505	Cabbage	Nuziveedu Seeds Ltd
98	REG/2010/474	Extant (VCK)	NTH-0222	Tomato	Nuziveedu Seeds Ltd
99	REG/2010/475	New	MAHANANDI PLUS	Brinjal	Nuziveedu Seeds Ltd
100	REG/2010/477	New	Arjun	Brinjal	Nuziveedu Seeds Ltd
101	REG/2010/478	New	KARUNA	Brinjal	Nuziveedu Seeds Ltd
102	REG/2010/479	New	KARAN	Brinjal	Nuziveedu Seeds Ltd
103	REG/2010/481	Extant (VCK)	HYBRID-744	Brinjal	Nuziveedu Seeds Ltd
104	REG/2010/482	New	HYB.3425	Tomato	Nuziveedu Seeds Ltd
105	REG/2010/484	New	GULABI ROUND	Brinjal	Nuziveedu Seeds Ltd
106	REG/2010/485	Extant (VCK)	NBH-1112	Brinjal	Nuziveedu Seeds Ltd
107	REG/2010/486	New	DURGA	Brinjal	Nuziveedu Seeds Ltd
108	REG/2010/487	New	IMPRO ANAND-08	Brinjal	Nuziveedu Seeds Ltd
109	REG/2010/488	New	IMPRO PREETI-696	Brinjal	Nuziveedu Seeds Ltd
110	REG/2010/518	Extant (VCK)	RUDRA	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
111	REG/2010/532	Extant (VCK)	PSCP-01Bt	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
112	REG/2010/534	Extant (VCK)	PRCH-31	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
113	REG/2010/535	Extant (VCK)	PC-P801 Bt	Tetraploid	Prabhat Agri Biotech

				Cotton	Ltd
114	REG/2011/8	Extant (VCK)	NTH-0506	Tomato	Nuziveedu Seeds Ltd
115	REG/2011/9	Extant (VCK)	NBH-776 (ASTA)	Brinjal	Nuziveedu Seeds Ltd
116	REG/2011/12	Extant (VCK)	NBH-597 (NISHKA)	Brinjal	Nuziveedu Seeds Ltd
117	REG/2011/14	Extant (VCK)	NBH-756 (GAYATRI)	Brinjal	Nuziveedu Seeds Ltd
118	REG/2011/18	Extant (VCK)	NTH-4546	Tomato	Nuziveedu Seeds Ltd
119	REG/2011/33	Extant (VCK)	MHBJ 99	Brinjal	Mahyco Private Limited
120	REG/2011/37	Extant (VCK)	MHBJ 111	Brinjal	Mahyco Private Limited
121	REG/2011/39	Extant (VCK)	MHBJ 112	Brinjal	Mahyco Private Limited
122	REG/2011/51	Extant (VCK)	SBJH-123-Improved	Brinjal	Mahyco Private Limited
123	REG/2011/57	Extant (VCK)	SBJH-183	Brinjal	Mahyco Private Limited
124	REG/2011/104	Extant (VCK)	BSS 893	Okra/Lady's Finger	Bejo Sheetal Seeds Pvt Ltd
125	REG/2011/105	Extant (VCK)	BSS 532	Okra/Lady's Finger	Bejo Sheetal Seeds Pvt Ltd
126	REG/2011/106	Extant (VCK)	BSS 898	Okra/Lady's Finger	Bejo Sheetal Seeds Pvt Ltd
127	REG/2011/115	Extant (VCK)	BSS-630	Brinjal	Bejo Sheetal Seeds Pvt Ltd
128	REG/2011/122	Extant (VCK)	BSS-624	Brinjal	Bejo Sheetal Seeds Pvt Ltd
129	REG/2011/130	Extant (VCK)	BSS-684 (DHANRAJ)	Tomato	Bejo Sheetal Seeds Pvt Ltd
130	REG/2011/222	New	BIO 7215-2	Tetraploid Cotton	DCM Shriram Limited
131	REG/2011/238	New	JK HEEMREKHA (JKTH 882)	Tomato	JK Agri Genetics Ltd
132	REG/2011/417	Farmer	REMUNA KATHIA	Rice	Harish Ch. Das
133	REG/2011/426	New	P 3436	Maize	Pioneer Overseas Corporation
134	REG/2011/447	New	PCH-9620 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
135	REG/2011/450	New	PCH-9619 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
136	REG/2011/453	New	PCH-9614 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
137	REG/2011/457	New	PCH-1414 Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
138	REG/2011/459	New	PCH-360 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
139	REG/2011/460	New	PCHB-9969 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
140	REG/2011/468	Extant (VCK)	NCHB-9902 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
141	REG/2011/469	New	NCHB-9901 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
142	REG/2011/483	New	NCS-9012 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
143	REG/2011/484	New	NCHB-9905 Bt2	Tetraploid	Nuziveedu Seeds Ltd

				Cotton	
144	REG/2011/1166	Farmer	NUA SARIAN	Rice	Madhumangal Sahu
145	REG/2011/1196	Farmer	Balangir-Kutumdola-KALAKRUSHNA	Rice	Bidyadhar Biswal
146	REG/2011/1260	Extant (VCK)	JKOH 7315	Okra/Lady's Finger	JK Agri Genetics Ltd
147	REG/2011/1320	New	SBJH-732	Brinjal	Mahyco Private Limited
148	REG/2011/1325	New	SBJH-631	Brinjal	Mahyco Private Limited
149	REG/2011/1327	New	SBJH-1014	Brinjal	Mahyco Private Limited
150	REG/2011/1351	New	NPH-909	Rice	Nuziveedu Seeds Ltd
151	REG/2012/8	Farmer	CARDOZO MANKURAD	Mango	Mr. Fausto Cardozo
152	REG/2012/80	New	NBJ-08	Brinjal	Nuziveedu Seeds Ltd
153	REG/2012/94	Extant (VCK)	NBJ-22	Brinjal	Nuziveedu Seeds Ltd
154	REG/2012/95	New	NBJ-24	Brinjal	Nuziveedu Seeds Ltd
155	REG/2012/103	Extant (VCK)	SWARNA SHAKTI	Brinjal	Indian Council of Agricultural Research
156	REG/2012/156	New	ADITI	Tomato	Namdhari Seeds Pvt Ltd
157	REG/2012/237	Extant (VCK)	NM-85	Maize	Nuziveedu Seeds Ltd
158	REG/2012/242	Extant (VCK)	NPH-567	Rice	Nuziveedu Seeds Ltd
159	REG/2012/260	Extant (VCK)	FCH-459	Tetraploid Cotton	Fortune Hybrid Seeds Ltd
160	REG/2012/261	Extant (VCK)	FC-0707	Tetraploid Cotton	Fortune Hybrid Seeds Ltd
161	REG/2012/262	Extant (VCK)	FC-9007	Tetraploid Cotton	Fortune Hybrid Seeds Ltd
162	REG/2012/265	Extant (VCK)	ACH-135	Tetraploid Cotton	Asian Agri Genetics Ltd
163	REG/2012/267	Extant (VCK)	ACH-54	Tetraploid Cotton	Asian Agri Genetics Ltd
164	REG/2012/268	Extant (VCK)	ACH-234	Tetraploid Cotton	Asian Agri Genetics Ltd
165	REG/2012/275	Extant (VCK)	PCH-215	Tetraploid Cotton	Prabhat Agri Biotech Ltd
166	REG/2012/277	Extant (VCK)	PC-P3512	Tetraploid Cotton	Prabhat Agri Biotech Ltd
167	REG/2012/279	Extant (VCK)	PC-P19	Tetraploid Cotton	Prabhat Agri Biotech Ltd
168	REG/2012/285	Extant (VCK)	PCH-235	Tetraploid Cotton	Prabhat Agri Biotech Ltd
169	REG/2012/292	New	C 5199	Tetraploid Cotton	Mahyco Private Limited
170	REG/2012/315	Farmer	CHITTRANJAN	Mango	Kalidas Banerjee
171	REG/2012/377	New	JKOH 1055	Okra/Lady's Finger	JK Agri Genetics Ltd
172	REG/2012/457	Farmer	BADRIO MOWO	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium

					(AMAPCON)
173	REG/2012/475	Farmer	MAIPAKPHOU	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
174	REG/2012/492	Farmer	MIKRORO-A	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
175	REG/2012/510	Farmer	PAOREIMA	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
176	REG/2012/533	Farmer	CHIPIBUH	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
177	REG/2012/542	Farmer	IROYA	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
178	REG/2012/543	Farmer	IROYA-A	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
179	REG/2012/587	Farmer	KURUKA (KURUVA)	Rice	P. V. Suresh, For Seed Care- An Association of Indigenous and Traditional Crop conservers of Malabar
180	REG/2012/625 H	Extant (VCK)	LAKSHMI (NUN5005)	Tomato	Nunhems India Private Ltd
181	REG/2012/651	Farmer	JAMUNIA RAHRI	Pigeon pea	Akhilesh Kaushik
182	REG/2012/652	Farmer	BHURA RAHARI	Pigeon pea	Mr. Rampravesh Thakur
183	REG/2012/653	Farmer	LAL RAHRI	Pigeon pea	Mr. Premjeet Kumar
184	REG/2012/654	Farmer	DHOBA RAHRI	Pigeon pea	Mr. Bhushan Thakur
185	REG/2012/655	Farmer	LALI RAHAIR	Pigeon pea	Mr. Anand Mohan Jha
186	REG/2012/657	Farmer	PILI ARHAR	Pigeon pea	Mr. Phekan Das
187	REG/2012/669	Farmer	GARADHAN	Rice	Niryas Soren
188	REG/2012/675	Farmer	JAGARNATH	Rice	Jageswar Singh
189	REG/2013/19	New	NTH-1348	Tomato	Nuziveedu Seeds Ltd
190	REG/2013/44 H	Extant (VCK)	RCH650BGII	Tetraploid Cotton	Rasi Seeds Pvt Ltd
191	REG/2013/45	New	RCH776BGII	Tetraploid Cotton	Rasi Seeds Pvt Ltd
192	REG/2013/46	New	RCH653BGII	Tetraploid	Rasi Seeds Pvt Ltd

				Cotton	
193	REG/2013/66	Farmer	JEREGA GODA	Rice	Devman Munda
194	REG/2013/79	New	KBH 1952	Pearl Millet	Kaveri Seed Company Ltd
195	REG/2013/95	New	NC-5065 BG-I	Tetraploid Cotton	Nuziveedu Seeds Ltd
196	REG/2013/96	New	NCS-7788 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
197	REG/2013/99	New	NCS-2255 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
198	REG/2013/100	New	NCS-3112 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
199	REG/2013/101	New	NCS-3114 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
200	REG/2013/110	New	NCS-1134 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
201	REG/2013/111	New	NCS-589 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
202	REG/2013/116	New	NCS-6566 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
203	REG/2013/118	New	NCS-2340 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
204	REG/2013/119	New	NCS-3456 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
205	REG/2013/120	New	NCS-927 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
206	REG/2013/121	New	NCS-1818 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
207	REG/2013/122	New	NCS-1012 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
208	REG/2013/128	New	NCS-1001 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
209	REG/2013/130	New	NCS-279 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
210	REG/2013/131	New	NCS-1024 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
211	REG/2013/147	New	TMRH 111	Rice	TriMurti Plant Sciences Private Limited
212	REG/2013/162	Farmer	BADKA DAHIYA	Rice	Basant Mahto
213	REG/2013/170	New	AKSHITA	Brinjal	ACSEN AGRISCIENCE PVT LTD
214	REG/2013/171	New	SANJULA	Brinjal	ACSEN AGRISCIENCE PVT LTD
215	REG/2013/172	New	KAAVYA	Brinjal	ACSEN AGRISCIENCE PVT LTD
216	REG/2013/181	New	BPM909	Pearl Millet	M/s Crystal Crop Protection Limited
217	REG/2013/191	New	PCH - 468 BG-II	Tetraploid Cotton	Prabhat Agri Biotech Ltd
218	REG/2013/192	New	PCH - 108 BG-II	Tetraploid Cotton	Prabhat Agri Biotech Ltd
219	REG/2013/193	New	PCH - 549 BG-II	Tetraploid Cotton	Prabhat Agri Biotech Ltd
220	REG/2013/202	New	PRCH - 745 BG-II	Tetraploid	Pravardhan Seeds Pvt

				Cotton	Ltd
221	REG/2013/203	New	PRCH - 742 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
222	REG/2013/204	New	PRCH - 135 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
223	REG/2013/205	New	PRCH - 1166 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
224	REG/2013/206	New	PRCH - 7777 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
225	REG/2013/207	New	PRCH - 2257 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
226	REG/2013/208	New	PRCH - 7776 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
227	REG/2013/209	New	PRCH - 7799 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
228	REG/2013/210	New	PRCH - 739 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
229	REG/2013/212	New	PRCH - 731 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
230	REG/2013/213	New	PRCH - 732 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
231	REG/2013/214	New	PRCH - 733 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
232	REG/2013/215	New	PRCH - 737 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
233	REG/2013/229	New	PRCH - 746 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
234	REG/2013/231	New	PRCH - 753 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
235	REG/2013/232	New	PRCH - 754 BG-II	Tetraploid Cotton	Pravardhan Seeds Pvt Ltd
236	REG/2013/241	New	RCH773 BGII	Tetraploid Cotton	Rasi Seeds Pvt Ltd
237	REG/2013/265 H	New	PAC7753 (PAC 753)	Maize	Advanta Enterprises Limited
238	REG/2013/266 H	New	PAC7751 (PAC751)	Maize	Advanta Enterprises Limited
239	REG/2013/271	Extant (VCK)	45S42	Indian mustard (Sarso)	Pioneer Overseas Corporation
240	REG/2013/298	Extant (VCK)	RMH3022	Maize	Rasi Seeds Pvt Ltd
241	REG/2013/299	New	TMRH 107	Rice	TriMurti Plant Sciences Private Limited
242	REG/2013/300	New	TMRH 102	Rice	TriMurti Plant Sciences Private Limited
243	REG/2013/314	Farmer	SUWAG MANI	Rice	Harian Dab Pathar Parichalana Samittee
244	REG/2013/332	New	NPH-910	Rice	Nuziveedu Seeds Ltd
245	REG/2013/333	New	NMH-1247	Maize	Nuziveedu Seeds Ltd
246	REG/2013/337	New	NPH-911	Rice	Nuziveedu Seeds Ltd
247	REG/2013/338	New	NPH-2006	Rice	Nuziveedu Seeds Ltd
248	REG/2013/344	New	86M85	Pearl Millet	Pioneer Overseas Corporation

249	REG/2013/365	New	GK3090	Maize	Ganga Kaveri Seeds Pvt Ltd
250	REG/2013/369 H	Extant (VCK)	PAC7745 (PAC 745)	Maize	Advanta Enterprises Limited
251	REG/2013/433	Extant (VCK)	NC-113 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
252	REG/2013/434	Extant (VCK)	NC-107 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
253	REG/2013/438	Extant (VCK)	NC-106 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
254	REG/2013/444	Extant (VCK)	NC-1171 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
255	REG/2013/446	Extant (VCK)	NC-170 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
256	REG/2013/448	Extant (VCK)	NC-126 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
257	REG/2013/462	Extant (VCK)	NC-168 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
258	REG/2013/465	New	RAJANI (BPV-410)	Brinjal	DCM Shriram Limited
259	REG/2013/471	New	BIO DO131	Tomato	DCM Shriram Limited
260	REG/2013/472	Extant (VCK)	NC-91 BG-II	Tetraploid Cotton	Nuziveedu Seeds Ltd
261	REG/2013/475 H	New	PAN 802	Rice	Pan Seeds Pvt Ltd
262	REG/2013/477 H	New	NBH-5807	Pearl Millet	Nuziveedu Seeds Ltd
263	REG/2013/478 H	New	NBH-5782	Pearl Millet	Nuziveedu Seeds Ltd
264	REG/2013/479	Extant (VCK)	NC-1108 Bt2	Tetraploid Cotton	Nuziveedu Seeds Ltd
265	REG/2013/484	New	CHECKMATE	Cabbage	ACSEN AGRISCIENCE PVT LTD
266	REG/2013/485	New	CHARLIE	Cabbage	ACSEN AGRISCIENCE PVT LTD
267	REG/2013/513	New	TRIVENI (BPG-305)	Brinjal	DCM Shriram Limited
268	REG/2013/518	New	BIOSEED 90	Tomato	DCM Shriram Limited
269	REG/2013/561	Farmer	BHOG PRASAD	Rice	Secretary, Annam Brahma S.H.G.
270	REG/2013/564	Farmer	AKI BORA	Rice	Secretary, Annam Brahma S.H.G.
271	REG/2013/566	Farmer	MALBHUG	Rice	Secretary, Annam Brahma S.H.G.
272	REG/2013/568	Farmer	MOINA BORA	Rice	Secretary, Annam Brahma S.H.G.
273	REG/2013/570	Farmer	JENGONI BORA	Rice	Secretary, Annam Brahma S.H.G.
274	REG/2013/572	Farmer	ABHIMANYU	Rice	Secretary, Annam Brahma S.H.G.
275	REG/2013/579	Farmer	RONGA BORA	Rice	Secretary, Annam Brahma S.H.G.
276	REG/2013/629	Farmer	MAKHUMAY MAKAL	Rice	Gobinda Tripura
277	REG/2013/642	Farmer	GOVINDA BHOG-III	Rice	Ratan Patwory
278	REG/2013/645	Farmer	SPING	Sesame	Loko Farmer's Club
279	REG/2013/656	Farmer	PHULPAKHORI AND BOKA	Rice	Sh. Hemanta Sarma
280	REG/2013/689	New	SYN-SF-F715	Sunflower	Syngenta India

					Limited
281	REG/2013/725	Farmer	GOBINDA BHOG (MIRZA)	Rice	Arabinda Farmers Club
282	REG/2013/727	Farmer	GOBINDO BHOG-I (PILAK)	Rice	Sanghati Farmers Club
283	REG/2013/728	Farmer	GOBINDO BHOG-II (PILAK)	Rice	Sanghati Farmers Club
284	REG/2013/757	Farmer	GUNDRI BHOG	Rice	Jaylena Khalko
285	REG/2013/827	Farmer	Hunase Hurina Bhatta	Rice	Deshi Krushikar Balaga
286	REG/2013/837	Farmer	Bhima Sali	Rice	Deshi Krushikar Balaga
287	REG/2013/841	Farmer	Kari Hagga	Rice	Deshi Krushikar Balaga
288	REG/2013/842	Farmer	Champakali	Rice	Deshi Krushikar Balaga
289	REG/2013/852	Farmer	Ratna Chudi	Rice	Deshi Krushikar Balaga
290	REG/2013/911	Farmer	HARFONI	Rice	Sri Bhwbon Bora
291	REG/2013/927	Extant (VCK)	NBH-25	Okra/Lady's Finger	Nuziveedu Seeds Ltd
292	REG/2013/938	Extant (VCK)	NBH-601	Brinjal	Nuziveedu Seeds Ltd
293	REG/2013/939	Extant (VCK)	NBH-3536	Brinjal	Nuziveedu Seeds Ltd
294	REG/2013/940	Extant (VCK)	NTH-608	Tomato	Nuziveedu Seeds Ltd
295	REG/2013/941	Extant (VCK)	NTH-1813	Tomato	Nuziveedu Seeds Ltd
296	REG/2013/943	Extant (VCK)	NTH-0312	Tomato	Nuziveedu Seeds Ltd
297	REG/2013/945	Extant (VCK)	NTH-0318	Tomato	Nuziveedu Seeds Ltd
298	REG/2013/946	Extant (VCK)	NTH-4545	Tomato	Nuziveedu Seeds Ltd
299	REG/2013/947	Extant (VCK)	NTH-607	Tomato	Nuziveedu Seeds Ltd
300	REG/2013/948	Extant (VCK)	NBH-3132	Brinjal	Nuziveedu Seeds Ltd
301	REG/2013/958	New	TMMH 809	Maize	TriMurti Plant Sciences Private Limited
302	REG/2013/968	Farmer	Housir	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
303	REG/2013/971	Farmer	Aso	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
304	REG/2013/975	New	9444 Gold	Pearl Millet	M/s Crystal Crop Protection Limited
305	REG/2013/976	New	PP71	Pearl Millet	M/s Crystal Crop Protection Limited
306	REG/2013/996	Farmer	WAINUCHARA MANBI	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)

307	REG/2013/1001	Farmer	NAPI PHOU	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
308	REG/2013/1027	Farmer	SADAGARA NANDYAL	Sorghum	Desi Beeja Samrakshakara Sangha
309	REG/2013/1030	Extant (VCK)	SWADESHI	Tomato	DCM Shriram Limited
310	REG/2013/1031	Extant (VCK)	BIOSEED 56	Tomato	DCM Shriram Limited
311	REG/2013/1107	Farmer	LONGMEI DUIMEI	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
312	REG/2013/1135	Farmer	SANG SANGBA	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
313	REG/2013/1156	Farmer	TILONG	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
314	REG/2013/1165	Farmer	CHAUA JHU	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
315	REG/2013/1176	Farmer	LONGMEI	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
316	REG/2013/1197	Farmer	MACHANG KACHAR	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
317	REG/2013/1198	Farmer	KAPHUNGJA-A	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
318	REG/2013/1199	Farmer	KONGDUM-A	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
319	REG/2013/1203	Farmer	SIRAI NAP	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)

320	REG/2013/1220	Farmer	NAPADAI-A	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
321	REG/2013/1229	Farmer	LANGPHOU CHAKHAO	Rice	All Manipur Trained Medicinal & Aromatic Plants Promoters Consortium (AMAPCON)
322	REG/2013/1289	Farmer	TOIYA YOUH	Rice	M. CHINGLONG
323	REG/2013/1424	Farmer	ROKAMLOVA	Rice	Mr. Rokamlova
324	REG/2013/1451	Farmer	BEHLIANG	Pigeon pea	All Mizoram Farmer's Union (AMFU)
325	REG/2013/1504	Farmer	AASAM CHUDI	Rice	Dharohar samiti
326	REG/2013/1620	Farmer	KOLIYARA	Rice	Dharohar samiti
327	REG/2013/1659	Farmer	ALSI BEGARI	Linseed	Manbod Gaur
328	REG/2013/1661	Farmer	ALSI (DESI) LAMRA	Linseed	Ghanshyam Markam
329	REG/2014/5	Farmer	RADHATILAK	Rice	Kadampur Krishi Farmers' Club
330	REG/2014/81	Farmer	MADHAV BHOG-I	Rice	Anjan Kumar Sinha
331	REG/2014/103	Farmer	LALBARANI	Rice	Anjan Kumar Sinha
332	REG/2014/114	Farmer	SAKO (local)	Maize	YEKHUSE TURENG
333	REG/2014/118	Farmer	Kumsuno Sakotsa	Maize	KHOCHIYI VEGE
334	REG/2014/119	Farmer	TUCHE SAKO	Maize	YEKHUSE TURENG
335	REG/2014/147	Farmer	BANGBULTAL	Rice	Green Farmers Group
336	REG/2014/212	Farmer	BHAWADYA	Rice	Indramal Tribal Seed Saver Group
337	REG/2014/213	Farmer	SUKVEL	Rice	Indramal Tribal Seed Saver Group
338	REG/2014/227	Farmer	SOMUSE	Soybean	Satish Baburao Chavan
339	REG/2014/261	Farmer	KUNJU KUNJU PRIA	Rice	Green Farmers Group
340	REG/2014/307	New	BIO 650	Rice	DCM Shriram Limited
341	REG/2014/351	New	BIO 032	Maize	DCM Shriram Limited
342	REG/2014/398	Farmer	KABRABALAM SALI (NOLTOLI)	Rice	Padmakanta Nath
343	REG/2014/455	Extant (VCK)	PC-P211 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
344	REG/2014/468	Extant (VCK)	PC-P951 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
345	REG/2014/471	Extant (VCK)	PC-P061 Bt2	Tetraploid Cotton	Prabhat Agri Biotech Ltd
346	REG/2014/477	Extant (VCK)	PC-P701Bt	Tetraploid Cotton	Prabhat Agri Biotech Ltd
347	REG/2014/484	Farmer	CHHAH MUKHIYA FATEHPUR	Sesame	Sandeep Kumar
348	REG/2014/488	New	BIO 9211	Maize	DCM Shriram Limited
349	REG/2014/499	Farmer	MIKIR TIL	Sesame	Padmakanta Nath
350	REG/2014/501	Farmer	GHARUA TICHI	Linseed	Padmakanta Nath
351	REG/2014/560	Farmer	LEKHAMO	Rice	Shurhikhou Yalietsu

					and Others
352	REG/2014/561	Farmer	DATSA	Rice	Shurhikhou Yalietsu and Others
353	REG/2014/564	Farmer	Choto	Mango	Syed Ghani Khan
354	REG/2014/565	Farmer	Abid	Mango	Syed Ghani Khan
355	REG/2014/566	Farmer	Mangmari	Mango	Syed Ghani Khan
356	REG/2014/574	Farmer	JAHA GISIM	Rice	Dennylene Ch. Marak
357	REG/2014/578	Farmer	NASINGKET	Rice	Bikash Hajong
358	REG/2014/579	Farmer	PORAJONI	Rice	Dibakor Hajong
359	REG/2014/580	Farmer	MIKATCHU	Rice	Gublenson Momin
360	REG/2014/592	Farmer	PATURE	Rice	Wison Sangma
361	REG/2014/593	Farmer	MALJHURE	Rice	Alajon Sangma
362	REG/2014/596	Farmer	JAHA	Rice	Binar Sangma
363	REG/2014/623	Farmer	ALSEE MANGAL	Linseed	Mangan Khalkho
364	REG/2014/632	New	P3546	Maize	Pioneer Overseas Corporation
365	REG/2014/633	Extant (VCK)	P3533	Maize	Pioneer Overseas Corporation
366	REG/2014/663	Farmer	PAHARI RAHAR	Pigeon pea	Brijnandan
367	REG/2014/676	Farmer	ANAND CHANA-1	Chickpea	Anand Manjhi
368	REG/2014/749	Farmer	Pahlu Haldi-1	Turmeric	Pahlu Bediya
369	REG/2014/778	Farmer	SAFEDA TALUQKEDAR	Mango	Anil Kumar
370	REG/2014/785	Farmer	DESHI RAM KELA	Mango	Md. Shahdab
371	REG/2014/788	Farmer	DUDHIYAA GOLA	Mango	Nidhi Prasad
372	REG/2014/806	Farmer	ALLAHBADI CHAUSA	Mango	Kanahiyaa Lal
373	REG/2014/808	Farmer	SHWETA	Mango	Panayee
374	REG/2014/826 H	Extant (VCK)	MAHASANGRAM BGII	Tetraploid Cotton	Solar Agrotech Pvt Ltd
375	REG/2014/828 H	Extant (VCK)	SARJU BGII	Tetraploid Cotton	Solar Agrotech Pvt Ltd
376	REG/2014/829 H	Extant (VCK)	SOLAR 77 BGII	Tetraploid Cotton	Solar Agrotech Pvt Ltd
377	REG/2014/830 H	Extant (VCK)	SOLAR 66 BGII	Tetraploid Cotton	Solar Agrotech Pvt Ltd
378	REG/2014/831 H	Extant (VCK)	SOLAR 76 BGII	Tetraploid Cotton	Solar Agrotech Pvt Ltd
379	REG/2014/832	Farmer	Meethi Masoor	Lentil	Vaishakhoo Singh Baiga
380	REG/2014/840	Farmer	NAWAB PASAND	Mango	Malihabad Community
381	REG/2014/844	New	MP 7793	Pearl Millet	Rallis India Limited
382	REG/2014/845	Farmer	SURKHA IMMAMUDDIN	Mango	Malihabad Community
383	REG/2014/849	Farmer	ASROOR MUKARAR	Mango	Malihabad Community
384	REG/2014/852	Farmer	DAARUL US SMAR	Mango	Malihabad Community
385	REG/2014/854	Farmer	BHAGWANT KHERA	Mango	Malihabad Community

386	REG/2014/859	Farmer	ZARD AMIN	Mango	Malihabad Community
387	REG/2014/903	Farmer	TISI 111	Linseed	Ram Chandra Prasad Singh
388	REG/2014/955	Extant (VCK)	NHBI-3044	Bitter Gourd	Nuziveedu Seeds Ltd
389	REG/2014/959	Extant (VCK)	NHBI-3034	Bitter Gourd	Nuziveedu Seeds Ltd
390	REG/2014/962	Extant (VCK)	NBI-3034	Bitter Gourd	Nuziveedu Seeds Ltd
391	REG/2014/963	Extant (VCK)	NHBI-3024	Bitter Gourd	Nuziveedu Seeds Ltd
392	REG/2014/965	Extant (VCK)	BG-1029	Bottle Gourd	Nuziveedu Seeds Ltd
393	REG/2014/970	Extant (VCK)	NBI-3035	Bitter Gourd	Nuziveedu Seeds Ltd
394	REG/2014/977	Extant (VCK)	NHBI-3014	Bitter Gourd	Nuziveedu Seeds Ltd
395	REG/2014/1018	New	Pinaka (MH 5343 BGII)	Tetraploid Cotton	Rallis India Limited
396	REG/2014/1019	New	Ajooba (MH 5361 BGII)	Tetraploid Cotton	Rallis India Limited
397	REG/2014/1121	Farmer	TISI 206	Linseed	Rajendra Mandal
398	REG/2014/1180	Farmer	SATHIA	Rice	Srikrishna Chandra Mandal
399	REG/2014/1183	Farmer	KESHAB SHAL	Rice	Shyamal Ghosh
400	REG/2014/1198	New	MM 2100	Maize	Rallis India Limited
401	REG/2014/1201	New	MP 7794	Pearl Millet	Rallis India Limited
402	REG/2014/1202	Extant (VCK)	GOLD VARDAN BGII (GBCH 95 BGII)	Tetraploid Cotton	Green Gold Seeds Pvt Ltd
403	REG/2014/1203	Extant (VCK)	GOLD KAVITA BGII (GBCH 90 BGII)	Tetraploid Cotton	Green Gold Seeds Pvt Ltd
404	REG/2014/1204	Extant (VCK)	GOLD KUBER BGII (GBCH 85 BGII)	Tetraploid Cotton	Green Gold Seeds Pvt Ltd
405	REG/2014/1221	Farmer	MOTONG	Rice	Pronilla M Sangma
406	REG/2014/1223	Farmer	JAHA SIMIL	Rice	Rojani M Marak
407	REG/2014/1224	Farmer	DUD MINIL/DUD BINI	Rice	Brenila M Sangma
408	REG/2014/1225	Farmer	PAICHONG	Rice	Hillia M Sangma
409	REG/2014/1226	Farmer	MORONG	Rice	Podik M Sangma
410	REG/2014/1231	Farmer	NGA HONGMA	Rice	Shirui Village Community
411	REG/2014/1235	Farmer	KHANGAMRAH KATEOA	Rice	Shirui Village Community
412	REG/2014/1293	New	NU 3214	Pearl Millet	NU Genes Pvt. Ltd.
413	REG/2014/1296 H	New	KCH-111 BG II	Tetraploid Cotton	Kaveri Seed Company Ltd
414	REG/2014/1297	New	KCH-144 BG II	Tetraploid Cotton	Kaveri Seed Company Ltd
415	REG/2014/1299	New	KCH-711 BG II	Tetraploid Cotton	Kaveri Seed Company Ltd
416	REG/2014/1307	New	PMH 7 (JH 3956)	Maize	Indian Council of Agricultural Research
417	REG/2014/1311	Farmer	Chinnar-20	Rice	Ariyamal and A. Pushpam
418	REG/2014/1375	Farmer	Palki Arhar	Pigeon pea	Mahesh Netam
419	REG/2014/1423	Farmer	VISHNUBHOG SATYA	Rice	Satyakumar Nagwanshi

420	REG/2014/1458	New	KSP 1130	Tomato	Bejo Sheetal Seeds Pvt Ltd
421	REG/2014/1620	Farmer	JEERA DHAN	Rice	Dharohar Samiti
422	REG/2014/1656	Extant (VCK)	DKC9120	Maize	Bayer CropScience Ltd.
423	REG/2014/1734	New	KCL-20	Tetraploid Cotton	Kaveri Seed Company Ltd
424	REG/2014/1747	New	CNA 1003 (ROJA)	Diploid Cotton	Indian Council of Agricultural Research
425	REG/2014/1769	Extant (VCK)	P3596	Maize	Pioneer Overseas Corporation
426	REG/2014/1822	Farmer	GUDDI MASOOR	Lentil	Guddi Kumari
427	REG/2014/1823	Farmer	Bimla Masoor	Lentil	Bimla Devi
428	REG/2014/1824	Farmer	KARUNA MASOOR	Lentil	Karuna Devi
429	REG/2014/1828	Farmer	RITA TISI	Linseed	Rita Devi
430	REG/2014/1859	Farmer	GOVINDA BHOG JOHA	Rice	Dr. Arunima Deb Choudhury
431	REG/2014/1944	Farmer	DESHI CHHOLA	Chickpea	Sukchand Tudu
432	REG/2014/1973	Farmer	CHENDU KANUS	Sorghum	Patil Chetan Suresh
433	REG/2014/2032	New	CR DHAN 411 (SWARNANJALI IET 27852)	Rice	Indian Council of Agricultural Research
434	REG/2014/2068	Farmer	BEKANG	Soybean	Joseph H. Thanzuala
435	REG/2014/2123	Farmer	ROON CHANA	Chickpea	Raj Pratap Bharti
436	REG/2014/2127	Farmer	Katnahia Dhania	Coriander	Dilip Kumar Singh
437	REG/2014/2128	Farmer	Sufi Dhaniya	Coriander	Rajaghrbi Singh
438	REG/2014/2143	New	TMC 500040	Tetraploid Cotton	TriMurti Plant Sciences Private Limited
439	REG/2014/2148	Farmer	Tenni	Rice	Pradeep Kumar
440	REG/2014/2151	Farmer	Nasari Desi	Ginger	Dindayal Singh
441	REG/2014/2157	Farmer	Sonali	Linseed	Vijay Bahadur Singh
442	REG/2014/2158	Farmer	Chhoti Tise	Linseed	Kamal Dev Rai
443	REG/2014/2159	Farmer	Rupali	Linseed	Vijay Bahadur Singh
444	REG/2014/2162	Farmer	SAHEB CHANA	Chickpea	Dhirendra Kumar Singh
445	REG/2014/2163	Farmer	SADABHAR	Chickpea	Dananjay Kumar Singh
446	REG/2014/2164	Farmer	AWADHI CHICKPEA	Chickpea	Kamal Dev Rai
447	REG/2014/2174	Farmer	SOMIT 6	Rice	Surendra Kumar
448	REG/2014/2182	Farmer	DESI NO. 1	Sugarcane	Surendra Kumar
449	REG/2014/2183	Farmer	DESI NO. 2	Sugarcane	Surendra Kumar
450	REG/2014/2190	Farmer	Lal Mehi	Rice	Bimal Goswami
451	REG/2014/2221	Farmer	H.J.P-RAM BHOG	Rice	Jay Prakash Singh
452	REG/2014/2337	Farmer	SADA PAIJAM	Rice	Hiralal Roy
453	REG/2014/2358	New	GK2008	Sunflower	Ganga Kaveri Seeds Pvt Ltd
454	REG/2014/2359	New	GK3124	Maize	Ganga Kaveri Seeds Pvt Ltd

455	REG/2014/2376	Extant (VCK)	GK3118	Maize	Ganga Kaveri Seeds Pvt Ltd
456	REG/2014/2401	New	GK2009	Sunflower	Ganga Kaveri Seeds Pvt Ltd
457	REG/2014/2404	New	GK3155	Maize	Ganga Kaveri Seeds Pvt Ltd
458	REG/2014/2405	New	GK3153	Maize	Ganga Kaveri Seeds Pvt Ltd
459	REG/2014/2406	New	GK3166	Maize	Ganga Kaveri Seeds Pvt Ltd
460	REG/2014/2418	Farmer	PAPPALU	Small cardamom	Mr. K.V. Paulose
461	REG/2014/2425	Extant (VCK)	AJEET VIRAT	Brinjal	Ajeet Seeds Ltd
462	REG/2014/2469	New	GK2021	Sunflower	Ganga Kaveri Seeds Pvt Ltd
463	REG/2014/2470	New	GK2018	Sunflower	Ganga Kaveri Seeds Pvt Ltd
464	REG/2014/2471	Extant (VCK)	GK3156	Maize	Ganga Kaveri Seeds Pvt Ltd
465	REG/2014/2475	Extant (VCK)	GK3112	Maize	Ganga Kaveri Seeds Pvt Ltd
466	REG/2014/2477	New	GK3114	Maize	Ganga Kaveri Seeds Pvt Ltd
467	REG/2014/2479	New	GK3162	Maize	Ganga Kaveri Seeds Pvt Ltd
468	REG/2014/2480	New	GK3164	Maize	Ganga Kaveri Seeds Pvt Ltd
469	REG/2014/2487	Farmer	ARJUN	Small cardamom	Mr. Menuwin Thomas
470	REG/2014/2488	Farmer	ZION MUNDI	Black Pepper	Mr. P.G. George
471	REG/2015/33	Farmer	BAMNABE MASOOR (DESI)	Lentil	Pramod Kumar
472	REG/2015/37	Farmer	Pakrar Tisi	Linseed	Tukeshwar Sao
473	REG/2015/109	Farmer	NEVER	Rice	Gh. Mohammad Lone
474	REG/2015/194	Farmer	Hempal	Rice	Babulal Dahiya
475	REG/2015/212	New	NPH-2003	Rice	Nuziveedu Seeds Ltd
476	REG/2015/216	New	RCH602 BGII	Tetraploid Cotton	Rasi Seeds Pvt Ltd
477	REG/2015/223	Farmer	JAWARI BHINDI	Okra/Lady's Finger	Mohammed Idris Ahmed Quadri
478	REG/2015/233	Farmer	KAALA DHAAN	Rice	Mohammed Idris Ahmed Quadri
479	REG/2015/239	Farmer	CHAMKI ALSI	Linseed	Mohammed Idris Ahmed Quadri
480	REG/2015/242	Farmer	Kapsar	Rice	Gorakhnath Singh
481	REG/2015/243	Farmer	Masoor-L	Lentil	Anil Pandey
482	REG/2015/258	Farmer	Serha-5	Rice	Ramadhar Singh
483	REG/2015/263	Farmer	Tisi-4	Linseed	Bijayamal Miyan
484	REG/2015/272	Extant (VCK)	PM12P018R	Pearl Millet	Rallis India Limited
485	REG/2015/276	Farmer	LOTANIYA-7	Rapeseed (Toria)	Shiv Kumar Singh
486	REG/2015/280	Farmer	TISI-J	Linseed	Tejpati Singh
487	REG/2015/299	Farmer	Deshi Tisi	Linseed	Mohammad Guljar Miyan

488	REG/2015/327	Extant (VCK)	GOLD VITTHAL BGII (GBCH 8888BGII)	Tetraploid Cotton	Green Gold Seeds Pvt Ltd
489	REG/2015/364	Farmer	Dehati Arhar-2	Pigeon pea	Kishori Kumar Yadav
490	REG/2015/369	New	TMMH 826	Maize	TriMurti Plant Sciences Private Limited
491	REG/2015/391	Farmer	Sugandhit Methi	Fenugreek	Dinesh Rajak
492	REG/2015/406	Farmer	Dehati Arhar Lal	Pigeon pea	Rajdev Prajapati
493	REG/2015/412	Farmer	JHUMKA BASMATI	Rice	Anil Kumar Sawhney
494	REG/2015/538	Farmer	Suding	Rice	Dr. Richariya Kisani Samwardhan Samiti
495	REG/2015/595	Farmer	Kunhar	Rice	Dr. Richariya Kisani Samwardhan Samiti
496	REG/2015/803	New	27P37	Rice	Pioneer Overseas Corporation
497	REG/2015/821	Farmer	PANKAJ ADRAKH-1	Ginger	Pankaj Gop
498	REG/2015/878	Farmer	SADABAHAR	Mango	Shri Kishan Suman
499	REG/2015/911	Farmer	Mahuli	Groundnut	Noor Mohammad Ansari
500	REG/2015/931	Farmer	Amrit	Linseed	Amrit Ram
501	REG/2015/936	Farmer	Dhaniya Parbana	Coriander	Mundrika Prajapati
502	REG/2015/941	Farmer	MOONG NATH	Green gram	Shivnath Kushwaha
503	REG/2015/946	Extant (VCK)	DKC9144	Maize	Bayer CropScience Ltd.
504	REG/2015/949	Farmer	Biran	Coriander	Virendra Kumar Kushwaha
505	REG/2015/958	Farmer	Bhadai Nawa	Groundnut	Sunil Kumar
506	REG/2015/981	Farmer	Kaljan	Linseed	Niranjan Kumar Mehta
507	REG/2015/1010	New	P3399	Maize	Pioneer Overseas Corporation
508	REG/2015/1030	Farmer	PATCHAIKAI	Small Cardamom	Mr. L. Ramaiah & Mr. R. Murugan (Father & Son)
509	REG/2015/1032	Farmer	RAJOUN-MUNG	Green gram	Rupesh Kumar Chaudhary
510	REG/2015/1168	New	27P22	Rice	Pioneer Overseas Corporation
511	REG/2015/1171	New	28P67	Rice	Pioneer Overseas Corporation
512	REG/2015/1173	Farmer	NIRANJAN DHAN-2	Rice	Niranjan Pd. Singh
513	REG/2015/1183	Farmer	AUGUST DHAN	Rice	August Rai
514	REG/2015/1193	Farmer	SHIV SARSON	Indian Mustard (Sarso)	Shiv Muni Bhagat
515	REG/2015/1197	Farmer	ROHI TISI	Linseed	Rohi Lal Mahto
516	REG/2015/1214	Farmer	DESHI-3	Lentil	Anesul Mondal
517	REG/2015/1220	Farmer	DESHI-2	Lentil	Mritunjoy Mondal
518	REG/2015/1228	Farmer	BARSATI KAROLA-1	Bitter Gourd	Mangal Gharami
519	REG/2015/1239	Farmer	BARSATI	Bitter Gourd	Balaram Gharami
520	REG/2015/1250	Farmer	MEGHNA	Bitter Gourd	Mekail Sk

521	REG/2015/1251	Farmer	DESHI-3	Bitter Gourd	Prabodh Bhadra
522	REG/2015/1252	Farmer	ARHAR-2	Pigeon pea	Utpal Mondal
523	REG/2015/1256	Farmer	JATA RAI	Indian Mustard (Sarso)	Ananta Mondal
524	REG/2015/1280	New	RA204G	Rice	Pioneer Overseas Corporation
525	REG/2015/1285	New	ARRAFIFTEEN	Grapes	Agricultural Research and Development Limited Liability Company
526	REG/2015/1289	Farmer	KAH LAHI	Rice	Jugen Das
527	REG/2015/1349	Farmer	Arhar Desi-P	Pigeon pea	Jagman Devi
528	REG/2015/1350	Farmer	REHE ARHAR	Pigeon pea	Kajru Sahu
529	REG/2015/1352	Farmer	Desi Arhar-D	Pigeon pea	Ropa Oraon
530	REG/2015/1353	Farmer	ARHAR CHAITI-P	Pigeon pea	Mandip Yadav
531	REG/2015/1354	Farmer	Desi Arhar-1	Pigeon pea	Jaymuni Devi
532	REG/2015/1455	Farmer	Desi-M	Indian Mustard (Sarso)	Shashi Kala Devi
533	REG/2015/1456	Farmer	Chanka	Indian Mustard (Sarso)	Kamishnar Bhagat
534	REG/2015/1458	Farmer	REHE PILA SARSON	Indian Mustard (Sarso)	Laldev Oraon
535	REG/2015/1618	Farmer	PANCHAMI	Foxtail Millet	Niren Singha
536	REG/2015/1620	Farmer	AMRIT	Finger Millet	Amrita Bala
537	REG/2015/1663	New	MM 7009	Maize	Rallis India Limited
538	REG/2015/1728	Farmer	UTTAR BANGA LOCAL-8	Rice	Punjan Barman
539	REG/2015/1729	Farmer	UTTAR BANGA LOCAL-9	Rice	Punjan Barman
540	REG/2015/1736	Farmer	UTTAR BANGA LOCAL-13	Rice	Punjan Barman
541	REG/2015/1750	Farmer	Alapatray	Kidney bean	Smt. Kamala Sharma (Niroula)
542	REG/2015/1752	Farmer	Santhee-P	Rice	Sunil Kumar Singh
543	REG/2015/1754	Farmer	Raja	Linseed	Jai Ram Prasad
544	REG/2015/1760	Farmer	DEVANGARH AADI	Ginger	Kamleshwar Mahto
545	REG/2015/1761	Farmer	Desi Dhaniya Chouthi	Coriander	Aanandi Prasad
546	REG/2015/1763	Farmer	Kaali Bank	Rice	Kailash Prasad Yadav
547	REG/2015/1789	Farmer	CHHAMAR	Foxtail Millet	Community of Farmers
548	REG/2015/1856	Farmer	KERE BADSHAH BHOG	Rice	Dr. Richariya Kisani Samwardhan Samiti
549	REG/2015/1871	Extant (VCK)	D4244	Maize	Agrigenetics Inc.
550	REG/2015/1876	Extant (VCK)	45S44	Indian Mustard (Sarso)	Pioneer Overseas Corporation
551	REG/2015/2011	New	D4685	Maize	Agrigenetics Inc.
552	REG/2015/2036	New	AHMM/BR-8	Muskmelon	ICAR-Central Institute of Arid Horticulture (CIAH)
553	REG/2015/2095	New	P3535	Maize	Pioneer Overseas

					Corporation
554	REG/2016/2	New	TMRH 124	Rice	TriMurti Plant Sciences Private Limited
555	REG/2016/20	New	MRC 7388 BG II	Tetraploid Cotton	Mahyco Private Limited
556	REG/2016/47	New	TMMH844	Maize	TriMurti Plant Sciences Private Limited
557	REG/2016/55	Farmer	GEOFFREY NAGPAL	Bougainvillea	Mrs. Verna Nagpal
558	REG/2016/257	Farmer	MASRA	Lentil	Ravindra Kumar Yadav
559	REG/2016/261	Farmer	GREEN BULLET	Chilli	Pintu Mandal
560	REG/2016/263	Farmer	BANGLA LANKA	Chilli	Sushil Mahato
561	REG/2016/269	Farmer	MOTA	Chilli	Arun Kumar Mondal
562	REG/2016/275	Extant (VCK)	RMH4595	Maize	Rasi Seeds Pvt Ltd
563	REG/2016/296	Farmer	LAL	Groundnut	Nimmi Bakhla
564	REG/2016/311	Farmer	Theesee	Linseed	Suruj Oraon
565	REG/2016/319	Extant (VCK)	TV (Tocklai Vegetative)-31	Tea	Tocklai Tea Research Institute
566	REG/2016/320	New	TSS (Tocklai Seed Stock)-1	Tea	Tocklai Tea Research Institute
567	REG/2016/330	Farmer	SANGI	Coriander	Anjani Oraon
568	REG/2016/333	Farmer	Chaiti-PP	Pigeon Pea	Jaybant Kujur
569	REG/2016/335	Farmer	Chaitari-LO	Pigeon Pea	Sandip Oraon
570	REG/2016/358	Farmer	MASRI- LO	Lentil	Subodhni Devi
571	REG/2016/383	Farmer	Jhibra	Finger Millet	Savitri Bhagat
572	REG/2016/406	Extant (VCK)	R874F	Rice	Pioneer Overseas Corporation
573	REG/2016/439	Farmer	PATRI	Indian Mustard (Sarso)	Patrisiya Toppo
574	REG/2016/443	Farmer	Pratapi	Rapeseed (Toria)	Shatrudhan Prajapati
575	REG/2016/455	Farmer	Chatri	Pigeon Pea	Rambriksha Saw
576	REG/2016/456	New	Aatish (MH 5360 BGII)	Tetraploid Cotton	Rallis India Limited
577	REG/2016/479	Farmer	Chatrahi	Fieldpea	Punam Devi
578	REG/2016/492	Farmer	GOVIND	Linseed	Ram Kumar Das
579	REG/2016/519	Farmer	Chaitia	Pigeon Pea	Mudrika Yadav
580	REG/2016/526	New	R834F	Rice	Pioneer Overseas Corporation
581	REG/2016/528	Extant (VCK)	R818F	Rice	Pioneer Overseas Corporation
582	REG/2016/530	Farmer	Lal Pizi	Pigeon Pea	Shankar Yadav
583	REG/2016/533	New	LG 34.05	Maize	Limagrain India Pvt. Ltd.
584	REG/2016/570	Farmer	JUNE SHE	Foxtail Millet	Village Climate Resilient Management Committee (VCRMC)

585	REG/2016/571	Farmer	SHEYAM	Foxtail Millet	Ngangching Village Council
586	REG/2016/595	Farmer	A.H.J.P-21	Pigeon Pea	Jay Prakash Singh
587	REG/2016/596	Farmer	A.H.J.P-15	Pigeon Pea	Jay Prakash Singh
588	REG/2016/597	Farmer	A.H.J.P-16	Pigeon Pea	Jay Prakash Singh
589	REG/2016/598	Farmer	A.H.J.P-12	Pigeon Pea	Jay Prakash Singh
590	REG/2016/626	Extant (Notified)	JLA-505	Diploid Cotton	Mahatma Phule Krishi Vidyapeeth
591	REG/2016/709	New	BIO GHY60-2 BG II	Tetraploid Cotton	DCM Shriram Limited
592	REG/2016/715	Farmer	RAMKRISHNA	Groundnut	Ramkrishna Vivekananda Trust
593	REG/2016/725	Farmer	SEPHUK	Foxtail Millet	Hills Farmers Club
594	REG/2016/734	Farmer	PARMAL-PR	Rice	Mahendra Sah
595	REG/2016/772	New	BIO MM368Z	Pearl Millet	DCM Shriram Limited
596	REG/2016/774	New	BIO LM460Z	Pearl Millet	DCM Shriram Limited
597	REG/2016/860	Farmer	ALISH	Linseed	Raghunandan Mahto
598	REG/2016/862	Farmer	HARIN	Coriander	Dinesh Kumar Dhangi
599	REG/2016/877	Extant (VCK)	R915	Rice	Pioneer Overseas Corporation
600	REG/2016/878	Extant (VCK)	R871F	Rice	Pioneer Overseas Corporation
601	REG/2016/894	New	CITH-W-5	Walnut	Indian Council of Agricultural Research
602	REG/2016/900	Farmer	LALI	Rapeseed (Toria)	Nagia Devi
603	REG/2016/905	Farmer	SAFEDI	Kidney bean	Devanti Devi
604	REG/2016/959	New	MM9333	Maize	Rallis India Limited
605	REG/2016/964	Farmer	Mangal-I	Pigeon Pea	Mangal Ch. Saren
606	REG/2016/978	Farmer	Champai	Pigeon Pea	Champai Murmu
607	REG/2016/981	Farmer	Masur Rahar	Pigeon Pea	Mathur Sabbar
608	REG/2016/998	Farmer	BAMUNDIHA-LI	Linseed	Swapan Shit
609	REG/2016/1010	Farmer	KAMALA	Fieldpea	Kamal Maity
610	REG/2016/1012	Extant (VCK)	Selection-4 (Phule Mosambi)	Sweet Orange	Mahatma Phule Krishi Vidyapeeth
611	REG/2016/1013	Extant (VCK)	Phule Sharbati (RHR-L-124)	Acid Lime	Mahatma Phule Krishi Vidyapeeth
612	REG/2016/1019	Farmer	NANDI	Lentil	Santinath Nandi
613	REG/2016/1020	Farmer	SALDAHARI	Lentil	Nitai Sau
614	REG/2016/1042	Farmer	BAKALSA	Pigeon Pea	Kalyani Hutait
615	REG/2016/1043	Extant (VCK)	D3100	Rice	Delta Agrigenetics Pvt. Ltd.
616	REG/2016/1044	Extant (VCK)	D2600	Rice	Delta Agrigenetics Pvt. Ltd.
617	REG/2016/1170	Farmer	Kuldeep Balagora	Rice	Kuldeep Tana Bhagat
618	REG/2016/1179	Farmer	SUKHDEV KOSHNAR	Rice	Sukhdev Oraon
619	REG/2016/1180	Farmer	Sukhdev Karaini	Rice	Sukhdev Oraon
620	REG/2016/1181	Farmer	GOVARDHAN-GL	Groundnut	Govardhan Prajapati
621	REG/2016/1185	Farmer	Tulsi Manjar-L	Rice	Muneshwar Prasad

					Sahu
622	REG/2016/1188	Farmer	KALDEV AADI	Ginger	Kaldev Oraon
623	REG/2016/1191	Farmer	Muneshwar Goda	Rice	Muneshwar Prasad Sahu
624	REG/2016/1200	Extant (VCK)	JKCH 12124 BG II	Tetraploid Cotton	JK Agri Genetics Ltd
625	REG/2016/1210	New	JKMH4152	Maize	JK Agri Genetics Ltd
626	REG/2016/1212	Extant (VCK)	MC 13	Rice	Rallis India Limited
627	REG/2016/1213	Extant (VCK)	DRH 836	Rice	Rallis India Limited
628	REG/2016/1215	New	MR 8666	Rice	Rallis India Limited
629	REG/2016/1223	Farmer	Hisra-JK	Linseed	Jaiwant Kujur
630	REG/2016/1232	Farmer	Rani Kajal-PL	Rice	Phulkumari Oraon
631	REG/2016/1233	Farmer	Laduwa	Finger Millet	Phulkumari Oraon
632	REG/2016/1280	Farmer	Lal Dhan-MR	Rice	Muneshwar Prasad Sahu
633	REG/2016/1281	Farmer	Kalamdani-ET	Rice	Etwa Oraon
634	REG/2016/1285	Farmer	Kalamdani-CG	Rice	Gowa Oraon
635	REG/2016/1286	Farmer	Dahiya-R	Rice	Sukhram Oraon
636	REG/2016/1287	Farmer	Neta-TL	Rice	Etwa Oraon
637	REG/2016/1296	Farmer	Aghani gulabi	Pigeon Pea	Dhaneshwar Mahto
638	REG/2016/1311	Farmer	Munna Ranikajal	Rice	Munna Bhagat
639	REG/2016/1317	Farmer	Netta-PK	Rice	Pradeep Kujur
640	REG/2016/1340	New	MR 8333	Rice	Rallis India Limited
641	REG/2016/1401	Farmer	SKT SHREE	Brinjal	Shiv Kumar Chandravansi
642	REG/2016/1445	Farmer	RAM BAEL	Bael	Jai Durga Krishak Club
643	REG/2016/1461	Farmer	Divy Bhog	Rice	Rohit Sahu
644	REG/2016/1471	Farmer	Poshk Dhan	Rice	Rohit Sahu
645	REG/2016/1472	Farmer	Amrit Bhog	Rice	Rohit Sahu
646	REG/2016/1475	Farmer	TIL KASTURI KUBRI MAMHAANI	Rice	Rohit Sahu
647	REG/2016/1491	Farmer	Kalyani	Pigeon Pea	Neelabh Sharma
648	REG/2016/1709	Extant (VCK)	Nilesh (NMH-51)	Maize	Nirmal Seeds Pvt Ltd
649	REG/2016/1718	Farmer	CHINGJIN THABI SELECTION	Cucumber	Mr. Sapam Lukhoi Singh
650	REG/2016/1729	New	RMHSx38	Maize	Rasi Seeds Pvt Ltd
651	REG/2016/1751	Farmer	MEITEI CHU ANGOUGBA SELECTION	Sugarcane	Sh. Thingbaijam Amuchou Meitei
652	REG/2016/1752	Farmer	MEITEI CHU ANGANGBA SELECTION	Sugarcane	Sh. Thingbaijam Amuchou Meitei
653	REG/2016/1839	Extant (VCK)	TMMH 2840	Maize	TriMurti Plant Sciences Private Limited
654	REG/2016/1840	Farmer	Sindhu	Pigeon Pea	Laware Balasaheb Rambhav
655	REG/2016/1893	New	PA9001	Pearl Millet	M/s Crystal Crop

					Protection Limited
656	REG/2016/2026	Farmer	SAATDHARI	Okra/Lady's Finger	Balram Mandavi
657	REG/2016/2090	Farmer	Kaddhu Desi Chakri	Pumpkin	Santosh Sharma
658	REG/2016/2097	Farmer	KHEERA DESI VEBAR	Cucumber	Santosh Sharma
659	REG/2016/2098	Farmer	BHINDI DESI SAAT DHARI	Okra/Lady's Finger	Santosh Sharma
660	REG/2016/2110	Farmer	SJEEWAN JAMUN	Jamun	Kisan Beej Utpadak Sahkari Samiti
661	REG/2016/2150	Farmer	JUNGLI PEELA GENDA	Marigold	Deendayal Yadav
662	REG/2016/2157	Farmer	Raja Bael	Bael	Deendayal Yadav
663	REG/2016/2185	Farmer	HANSDA GORA (DHAN)-2	Rice	Hopen Hansda
664	REG/2016/2210	Farmer	Basko	Rice	Guna Baskey
665	REG/2016/2211	Farmer	Tudu Vera	Rice	Ram Rai Tudu
666	REG/2016/2212	Farmer	Tudu Gede Malti	Rice	Pachiya Tudu
667	REG/2016/2214	Farmer	Khandobal Muri	Rice	Gobindo Khandobal
668	REG/2016/2218	Farmer	Majhi Sir Jhinga	Rice	Janardan Majhi
669	REG/2016/2222	Farmer	Mardi Bera Malti	Rice	Bhagmat Mardi
670	REG/2016/2226	Farmer	Mardi-BA	Bael	Miru Baha Mardi
671	REG/2016/2233	Farmer	Hadi	Rice	Hadiram Gope
672	REG/2016/2277	Farmer	KALAMDANI-B	Rice	Budhwa Oraon
673	REG/2016/2278	Farmer	KALAMDANI-BH	Rice	Bhaiya Oraon
674	REG/2016/2279	Farmer	Ketki-B	Rice	Budhwa Oraon
675	REG/2016/2280	Farmer	SITA KALAMDANI	Rice	Sitaram Oraon
676	REG/2016/2283	Farmer	SITA GORA	Rice	Sitaram Oraon
677	REG/2016/2289	Farmer	BUDHMAN KALAMDANI	Rice	Budhman Oraon
678	REG/2016/2292	Farmer	BUDHMAN KARAINI	Rice	Budhman Oraon
679	REG/2016/2308	Farmer	Dahia-B	Rice	Budhwa Oraon
680	REG/2016/2316	Farmer	Dahia-R	Rice	Ramu Oraon
681	REG/2016/2319	Farmer	Karhani-B	Rice	Budhwa Oraon
682	REG/2016/2327	Farmer	LAXMAN DAHIA	Rice	Laxman Oraon
683	REG/2016/2331	Farmer	BUDHMAN ABUSAIR	Rice	Budhman Oraon
684	REG/2016/2334	Farmer	Balagora-A	Rice	Ashok Oraon
685	REG/2016/2343	Farmer	Dahia-A	Rice	Ashok Oraon
686	REG/2016/2372	Farmer	Johan-1	Finger Millet	Johan Dhanwar
687	REG/2016/2373	Farmer	Durga Dhusri-1	Rice	Durga Oraon
688	REG/2016/2374	Farmer	Karma-RK	Rice	Karma Oraon
689	REG/2016/2375	Farmer	Karma-1	Finger Millet	Karma Oraon
690	REG/2016/2376	Farmer	Charka Goda	Rice	Mangri Devi
691	REG/2016/2377	Farmer	Sohrai-1	Finger Millet	Sohrai Oraon
692	REG/2016/2378	Farmer	Madra-1	Finger Millet	Madra Bakla
693	REG/2016/2379	Farmer	Karga Gora-1	Rice	Dholi Pradhan

694	REG/2016/2381	Farmer	Madra-RC	Rice	Madra Bakla
695	REG/2016/2382	Farmer	Karanja Goda-PP	Rice	Birsa Bakla
696	REG/2016/2383	Farmer	Kanto-1	Finger Millet	Kanto Oraon
697	REG/2016/2384	Farmer	Pradhan-1	Rice	Gurnadi
698	REG/2016/2387	Farmer	Mengen-1	Rice	Mengen Munda
699	REG/2016/2390	Farmer	Badi Sorno	Rice	Mingu Munda
700	REG/2016/2391	Farmer	Chara Jolpo-1	Rice	Chara Munda
701	REG/2016/2392	Farmer	Gopal-1	Rice	Churamani Devi
702	REG/2016/2393	Farmer	Lusa-1	Rice	Lusa Munda
703	REG/2016/2395	Farmer	Magi Rahdi	Pigeon Pea	Fagua Munda
704	REG/2016/2396	Farmer	Gomeya-1	Finger Millet	Gomeya Pahan
705	REG/2016/2397	Farmer	Lusa-1	Finger Millet	Lusa Munda
706	REG/2016/2400	Farmer	Sau-1	Finger Millet	Sau Pahan
707	REG/2016/2402	Farmer	SUKHRAM BATURA-1	Fieldpea	Sukhram Munda
708	REG/2016/2408	Farmer	Loyog Baba	Rice	Manga Munda
709	REG/2016/2409	Farmer	Beranga Gargariya	Rice	Beranga Munda
710	REG/2016/2410	Farmer	Gola Ara Jolpo	Rice	Gola Munda
711	REG/2016/2411	Farmer	Binray Gada-1	Rice	Binray Pahan
712	REG/2016/2412	Farmer	Gomeya Sorsoriya	Rice	Gomeya Munda
713	REG/2016/2413	Farmer	Bhawar-1	Rice	Bhawar Singh Pahan
714	REG/2016/2418	Farmer	Bandhini-1	Finger Millet	Birsi Devi
715	REG/2016/2420	Farmer	Champu-1	Finger Millet	Champu Tirki
716	REG/2016/2421	Farmer	Nanheya-Pd	Rice	Madhai Munda
717	REG/2016/2423	Farmer	Shanker-1	Rice	Budhwa Kispotta
718	REG/2016/2424	Farmer	AGHANU-1	Pigeon Pea	Aghanu Tirkey
719	REG/2016/2428	Farmer	Jarka Gora	Rice	Nilmani Devi
720	REG/2016/2429	Farmer	Abhishek-1	Finger Millet	Nilmani Devi
721	REG/2016/2431	Farmer	Ram-1	Rice	Birsi Devi
722	REG/2016/2433	Farmer	Arjun-1	Finger Millet	Mantarni Devi
723	REG/2016/2436	Farmer	Bheem-1	Rice	Mantarni Devi
724	REG/2016/2437	Farmer	Dholi-1	Finger Millet	Dholi Pradhan
725	REG/2016/2438	Farmer	Durga-1	Finger Millet	Durga Oraon
726	REG/2016/2440	Farmer	Chinagoda-PY	Rice	Sohrai Oraon
727	REG/2016/2441	Farmer	Dhumku	Rice	Karmi Tirkey
728	REG/2016/2444	Farmer	Dugi Gora-1	Rice	Dugi Bakla
729	REG/2016/2445	Farmer	Thumku-P2	Rice	Birsa Bakla
730	REG/2016/2446	Farmer	Alam-1	Rice	Aaghnu Pradhan
731	REG/2017/2	New	STAR X-20	Maize	Star Agrotech Pvt. Ltd.
732	REG/2017/3	New	STAR X-18	Maize	Star Agrotech Pvt. Ltd.
733	REG/2017/6	New	STAR X-14	Maize	Star Agrotech Pvt. Ltd.
734	REG/2017/8	New	STAR X-12	Maize	Star Agrotech Pvt. Ltd.

735	REG/2017/11	Farmer	SHRADHHA	Nutmeg	Mr. Dilip Rajaram Mukadam
736	REG/2017/47	Farmer	KAJAL	Nutmeg	Jayawant Harischandra Patil
737	REG/2017/49	Farmer	NEELKANTH	Nutmeg	Prakash Bhaskar Paranjpe
738	REG/2017/62	New	MP15P035R	Pearl Millet	Rallis India Limited
739	REG/2017/63	New	MP14P028A	Pearl Millet	Rallis India Limited
740	REG/2017/128	Farmer	DUNDI	Rice	Kashinath Mahto
741	REG/2017/160	Farmer	KHOLA/CANACONA CHILLIES	Chilli	Khola/Canacona Chilli Cultivator Group
742	REG/2017/168	Farmer	Turka Magan Kodo	Kodo Millet	Magan Singh Barkade
743	REG/2017/170	Farmer	Nanha Luchai Mangal	Rice	Magan Singh Barkade
744	REG/2017/173	Farmer	Sarbati Kaluram	Wheat	Kaloo Ram
745	REG/2017/183	Farmer	KASTARA KODO SHANKAR	Kodo Millet	Shankar Singh
746	REG/2017/186	Farmer	Usha Chatar	Rice	Chatar Singh
747	REG/2017/197	Farmer	LUCHAI BASORI	Rice	Basori Singh Marko
748	REG/2017/203	Farmer	Lal Lohandi Rakesh	Rice	Rakesh Kumar
749	REG/2017/207	Farmer	SHAILWAR KODO	Kodo Millet	Suresh Tekam
750	REG/2017/208	Farmer	Shailwar Alsi	Linseed	Mukesh Kumar
751	REG/2017/212	Farmer	Bhaisan Prem	Rice	Prem Kumar
752	REG/2017/214	Farmer	SEORI RAI HEERA	Rapeseed (Toria)	Heera Singh
753	REG/2017/216	Farmer	LUCHAI NOHAN	Rice	Nohan Singh
754	REG/2017/217	Farmer	LUCHAI GINDHI	Rice	Gindhi Lal
755	REG/2017/218	Farmer	Gurmatiya Kori	Rice	Tirath
756	REG/2017/219	Farmer	Navari Tarachh	Rice	Amar Das
757	REG/2017/220	Farmer	Ranikajal Prakash	Rice	Prakash Baghel
758	REG/2017/239	Farmer	KARHANI ATARIYA	Rice	Vinod Singh
759	REG/2017/245	Farmer	MAHIYA ARHAR	Pigeon pea	Ramesh Singh Paraste
760	REG/2017/246	Farmer	KODO KUNDAM	Kodo Millet	Ramesh Singh Paraste
761	REG/2017/248	Farmer	Kutki Satanjhir	Little Millet	Ramesh Singh Paraste
762	REG/2017/266	Farmer	Doodh Newari Choupal	Rice	Jagbhan Singh
763	REG/2017/270	Farmer	Jharga Raghuraj	Rice	Raghuraj Singh
764	REG/2017/275	Farmer	Bedhaar Papra	Rice	Pursottam Das
765	REG/2017/276	Farmer	Dihula Ramesh	Rice	Ramesh Yadav
766	REG/2017/283	Farmer	Rambhog Jagdish	Rice	Jagdish Kushwaha
767	REG/2017/284	Farmer	Brajbhog Jagdish	Rice	Jagdish Kushwaha
768	REG/2017/288	Farmer	Pasai Dhan Khirwa	Rice	Parsu Adiwasi
769	REG/2017/290	Farmer	Khamtara Arhar	Pigeon pea	Mitthu Singh
770	REG/2017/295	Farmer	Mitthu Kodo	Kodo Millet	Mitthu Singh Thakur
771	REG/2017/299	Farmer	ALSI UTTAM	Linseed	Uttam Singh
772	REG/2017/303	Farmer	Kardhana Baldev	Rice	Baldev Singh Yadav
773	REG/2017/306	Farmer	Urad Salaiya	Black gram	Himmat Singh

774	REG/2017/311	Farmer	AMARI GEHU	Wheat	Ganesh Singh Yadav
775	REG/2017/315	Farmer	Mulapara Arhar	Pigeon pea	Khushiram Lodhi
776	REG/2017/318	Farmer	Urad Vikrampur	Black gram	Rahees Rani
777	REG/2017/329	Farmer	MULAPARA ALSI	Linseed	Lakhanlal Lodhi
778	REG/2017/330	Farmer	Makri Kodo	Kodo Millet	Maharam Adiwasi
779	REG/2017/336	Farmer	Raju Kodo	Kodo Millet	Raju Khan
780	REG/2017/343	Farmer	Maharaj Kodo	Kodo Millet	Mahraj Singh Gour
781	REG/2017/345	Farmer	Guljari Kodo	Kodo Millet	Guljari Lal Prajapati
782	REG/2017/366	Farmer	Kali Urad Hemant	Black gram	Hemant Kumar
783	REG/2017/368	Farmer	Kali Kutki Mamta	Little Millet	Mamta Bai
784	REG/2017/369	Farmer	Kutki Saraitola Sakhan	Little Millet	Sakhanvati
785	REG/2017/370	Farmer	Safed Kutki Ramkumar	Little Millet	Ram Kumar
786	REG/2017/371	Farmer	Kutki Kali Sharmila	Little Millet	Sharmila Bai
787	REG/2017/374	Farmer	Kodo Kali Santosh	Kodo Millet	Santosh
788	REG/2017/375	Farmer	Katki Amardas	Kodo Millet	Jawahar
789	REG/2017/376	Farmer	Kodo Amardas	Kodo Millet	Amardas
790	REG/2017/377	Farmer	Kodo Roop	Kodo Millet	Roopa Singh
791	REG/2017/379	Farmer	Devtuar Kanchna	Pigeon pea	Ayodhya Prasad Bhoyar
792	REG/2017/381	Farmer	Urad Mohanlal	Black gram	Mohanlal Uikey
793	REG/2017/383	Farmer	ALSI SARITA	Linseed	Sarita Uikey
794	REG/2017/385	Farmer	Tuar Raghuveer	Pigeon pea	Raghuveer Uikey
795	REG/2017/389	Farmer	KUTKI SHASHI	Little Millet	Shashi Markam
796	REG/2017/390	Farmer	KUTKI MOHAN	Little Millet	Mohanlal Uikey
797	REG/2017/395	Farmer	Mahiya Ram	Pigeon pea	Ram Sahu
798	REG/2017/397	Farmer	Devtuar Kali Ajay	Pigeon pea	Ajay Sahare
799	REG/2017/398	Farmer	Peeli Devtuar Ajay	Pigeon pea	Ajay Sahare
800	REG/2017/406	Farmer	HARI DHARI GYANTA	Bottle gourd	Gyanta Bhoyar
801	REG/2017/407	Farmer	Halki Hari Devendra	Bottle gourd	Devendra Bhoyar
802	REG/2017/412	Farmer	SAREKHAKALA MIRCH	Chilli	Himmat Singh Choudhary
803	REG/2017/414	Farmer	GOAL LOUKI MANISH	Bottle gourd	Manish Rahangdale
804	REG/2017/417	Farmer	Bhoora Kodo Jayshankar	Kodo Millet	Sitaram
805	REG/2017/418	Farmer	KUTKI KALI SANTLAL	Little Millet	Santlal Uikey
806	REG/2017/419	Farmer	REHLONKALA KUTKI	Little Millet	Chandan Kakodia
807	REG/2017/420	Farmer	Kali Batri Saraswati	Fieldpea	Saraswati
808	REG/2017/423	Farmer	SANGAIMAL KUTKI	Little Millet	Gendlal Inwati
809	REG/2017/424	Farmer	LOUKI CHITTEDAR CHANDRAKANT	Bottle gourd	Chandrakant
810	REG/2017/446	Farmer	Maghi Arhar Santra	Pigeon pea	Santra Bai Singh
811	REG/2017/448	Farmer	Semariha Kodo	Kodo Millet	Ram Prasad Pav

812	REG/2017/449	Farmer	SHAHPUR LAUKI	Bottle gourd	Babbi Bai Sahu
813	REG/2017/452	Farmer	LALAN BHINDI	Okra/Lady's Finger	Lalan Singh Pav
814	REG/2017/453	Farmer	SHAHPUR BHINDI	Okra/Lady's Finger	Heeravati Sahu
815	REG/2017/454	Farmer	JAI BHINDI	Okra/Lady's Finger	Jai Karan Singh
816	REG/2017/456	Farmer	Kislai Urad	Black gram	Laltabai Thakur
817	REG/2017/457	Farmer	Buddhu Urad	Black gram	Buddhu Singh Thakur
818	REG/2017/458	Farmer	Usari Urad	Black gram	Ramesh Thakur
819	REG/2017/459	Farmer	Veeru Urad	Black gram	Veeru Thakur
820	REG/2017/460	Farmer	Vindu Urad	Black gram	Vindu Yadav
821	REG/2017/461	Farmer	Vishnu Urad	Black gram	Vishnu Thakur
822	REG/2017/462	Farmer	Kishori Urad	Black gram	Kishori Thakur
823	REG/2017/464	Farmer	Phool Urad	Black gram	Phool Singh Thakur
824	REG/2017/466	Farmer	Amlesh Urad	Black gram	Amlesh Thakur
825	REG/2017/469	Farmer	Komal Urad	Black gram	Komal Thakur
826	REG/2017/471	Farmer	Atar Urad	Black gram	Atarlal Thakur
827	REG/2017/472	Farmer	Arti Urad	Black gram	Artibai Thakur
828	REG/2017/474	Farmer	Jag Urad	Black gram	Jagram Yadav
829	REG/2017/475	Farmer	Pyari Urad	Black gram	Pyaribai Thakur
830	REG/2017/494	Farmer	VARPANI TIL	Sesame	Sovran Yadav
831	REG/2017/495	Farmer	KISLAI TIL	Sesame	Ramesh Thakur
832	REG/2017/496	Farmer	Usari Til	Sesame	Jagram Yadav
833	REG/2017/497	Farmer	KISLAI TIL 1	Sesame	Atarlal Thakur
834	REG/2017/501	Farmer	KAILASH KUTKI	Barnyard Millet	Kailash Thakur
835	REG/2017/503	Farmer	RAMESH KUTKI	Barnyard Millet	Ramesh Thakur
836	REG/2017/504	Farmer	VEERU KUTKI	Barnyard Millet	Veeru Thakur
837	REG/2017/505	Farmer	BALLU KUTKI	Barnyard Millet	Ballu Thakur
838	REG/2017/506	Farmer	RAMNATH KUTKI	Barnyard Millet	Ramnath Thakur
839	REG/2017/535	Farmer	MATAR RAMPAL	Fieldpea	Ramapal
840	REG/2017/539	Farmer	KUTKI DHANWAN	Little Millet	Dhanwan Singh
841	REG/2017/542	Farmer	Kodo Sardar	Kodo Millet	Sardar Singh
842	REG/2017/552	Farmer	Kodo Naval	Kodo Millet	Naval Kishor Patel
843	REG/2017/555	Farmer	Kodo Chandrabhan	Kodo Millet	Chandrabhan Rajpoot
844	REG/2017/557	Farmer	Gehu Chandrabhan	Wheat	Chandrabhan Rajpoot
845	REG/2017/559	Farmer	KODO DULICHANDRA	Kodo Millet	Dulichandra Rajpoot
846	REG/2017/560	Farmer	BAIGANI PAWAN	Pigeon pea	Pawan Singh Dhurwey
847	REG/2017/564	Farmer	JHULAR BABLU	Rice	Bablu Marawi
848	REG/2017/565	Farmer	SITAHI PARASRAM	Little Millet	Parasram Armo
849	REG/2017/566	Farmer	Kodo Uday	Kodo Millet	Uday Singh Parte
850	REG/2017/569	Farmer	SAFED SARAIYA TARA	Rice	Tara Bai Singh Rathore
851	REG/2017/570	Farmer	LAL DHAN TEERATH	Rice	Teerath Prasad

852	REG/2017/571	Farmer	BADALPHOOL JAMUNA	Rice	Jamuna Singh Rathore
853	REG/2017/572	Farmer	KALI SARAIYA JAMUNA	Rice	Jamuna Singh Rathore
854	REG/2017/574	Farmer	KHURDY THOTHA	Rice	Anjana
855	REG/2017/575	Farmer	CHHOTI LUCHAI RAHTHA	Rice	Ram Nihor Mehra
856	REG/2017/578	Farmer	KARMAN UMARIYA	Rice	Santosh Singh
857	REG/2017/580	Farmer	Lohandi Gowara	Rice	Suresh Singh
858	REG/2017/581	Farmer	KANAK CHHOTA BIJAURI	Rice	Awdhesh Singh
859	REG/2017/583	Farmer	RAKEDA BADA UMARIYA	Rice	Bihari Singh
860	REG/2017/585	Farmer	GALARI AMRIT	Rice	Amrit Singh
861	REG/2017/586	Farmer	BADI LUCHAI KINKAR	Rice	Ram Kinkar
862	REG/2017/588	Farmer	KISAN DHAN TIWNI	Rice	Govind Singh
863	REG/2017/589	Farmer	HARUHAN TIWNI	Rice	Govind Singh
864	REG/2017/590	Farmer	TEDMARI HEERA	Rice	Heeralal Bhumiya
865	REG/2017/591	Farmer	LALU DHAN UMARIYA	Rice	Heeralal Bhumiya
866	REG/2017/592	Farmer	THARRI DEVI	Rice	Devi Singh
867	REG/2017/593	Farmer	DHANIYA JUDWANI	Rice	Rajani Bai
868	REG/2017/594	Farmer	Benam Dhan Sundar	Rice	Sundar Singh
869	REG/2017/595	Farmer	LOHI KHAIRWAR	Rice	Sunil Kumar Tiwari
870	REG/2017/596	Farmer	LAL SARAIYA RAHTA	Rice	Rajwanti Singh
871	REG/2017/597	Farmer	Sarswatiya Sastara	Rice	Rajesh Jaiswal
872	REG/2017/599	Farmer	KUDAILI BARKADE	Kodo Millet	Santosh Singh
873	REG/2017/600	Farmer	RAKSHA KODO	Kodo Millet	Hemraj Singh
874	REG/2017/602	Farmer	KALI KUTKI JANKI	Little Millet	Janaki Bai
875	REG/2017/603	Farmer	SAFED KUTKI NIGHARI	Little Millet	Saraswati Bai
876	REG/2017/606	Farmer	Karkeli Alsi	Linseed	Vicky Bai Singh Rathore
877	REG/2017/607	Farmer	Urid Lavkesh	Black gram	Lavkesh Singh
878	REG/2017/611	Farmer	Aghani Badi Safed Jamuna	Pigeon pea	Jamuna Singh Rathore
879	REG/2017/612	Farmer	Aghani Chhoti Safed Jamuna	Pigeon pea	Jamuna Singh Rathore
880	REG/2017/613	Farmer	AGHANI LAL MAJHAULI JAMUNA	Pigeon pea	Jamuna Singh Rathore
881	REG/2017/614	Farmer	Maghi Chitkabri Lal Badi	Pigeon pea	Ramkumar
882	REG/2017/622	Farmer	Samandar Dhaniya/Chhoti Dhaniya	Coriander	Samandar Singh
883	REG/2017/624	Farmer	Vanshi Mukesh	Wheat	Mukesh Kushwaha
884	REG/2017/625	Farmer	LONAGI RAMSIYA	Rice	Ramsiya Shukla
885	REG/2017/626	Farmer	KARHANI	Rice	Mahendra Pandey

			MAHENDRA		
886	REG/2017/627	Farmer	BHURI SAIYRI DEVENDRA	Rice	Devendra Mishra
887	REG/2017/628	Farmer	PEELI LUCHAI SAMNAPUR	Rice	Surendra Rahangdale
888	REG/2017/629	Farmer	Safed Luchai Badi Pouni	Rice	Jugal Kishor Thakre
889	REG/2017/630	Farmer	SAFED LUCHAI KOPPE	Rice	Vijay Gautam
890	REG/2017/631	Farmer	Chhipda Lotmara	Rice	Rajkumar Chaudhary
891	REG/2017/632	Farmer	Chhinoor Lohara	Rice	Bhavesh Tembhre
892	REG/2017/633	Farmer	Khada Rajkumar	Rice	Rajkumar Chaudhary
893	REG/2017/634	Farmer	ASSAN CHUNI LOTMARA	Rice	Rajkumar Chaudhary
894	REG/2017/635	Farmer	SITA CHANDANA	Rice	Rajkumar Chaudhary
895	REG/2017/636	Farmer	Monya Kali Khandapar	Rice	Narendra Tilgam
896	REG/2017/637	Farmer	Pandu Lotmara	Rice	Rajkumar Chaudhary
897	REG/2017/638	Farmer	Jeera Sankar Khairgaon	Rice	Nathulal Pardhi
898	REG/2017/639	Farmer	Padma Lotmara	Rice	Rajkumar Chaudhary
899	REG/2017/640	Farmer	BHATA MAKDI LOTMARA	Rice	Rajkumar Chaudhary
900	REG/2017/641	Farmer	Harad Gundi Somkhar	Rice	Yogesh Rahangdale
901	REG/2017/642	Farmer	Tulsidas Lotmara	Rice	Rajkumar Chaudhary
902	REG/2017/643	Farmer	Luchai Rampuri	Rice	Bhejlal Mane
903	REG/2017/644	Farmer	Hathi Lotmara	Rice	Rajkumar Chaudhary
904	REG/2017/647	Farmer	KALAJEERA LOTMARA	Rice	Rajkumar Chaudhary
905	REG/2017/648	Farmer	CHINDI KAPOOR LOTMARA	Rice	Rajkumar Chaudhary
906	REG/2017/649	Farmer	LAKHOA LOTMARA	Rice	Rajkumar Chaudhary
907	REG/2017/650	Farmer	RAIBUA CHANDANA	Rice	Rajkumar Chaudhary
908	REG/2017/651	Farmer	BHADOCHINGA BHATLAE	Rice	Bhunesh Thakre
909	REG/2017/652	Farmer	BAHURUPI SAKRI	Rice	Yogendra Hanuvat
910	REG/2017/653	Farmer	JEERAPHUL CHIJGAON	Rice	Durgaprasad Rahangdale
911	REG/2017/654	Farmer	MUHBELI BHORWAHI	Rice	C.R. Choudhary
912	REG/2017/656	Farmer	SAFED DHAN PREMLAL	Rice	Premlal Dhurvey
913	REG/2017/657	Farmer	KALI DHAN HANS	Rice	Hans Kumar Verma
914	REG/2017/659	Farmer	GOL BATRI AMAR	Fieldpea	Amar Singh Maravi
915	REG/2017/660	Farmer	Bhoora Kodo Amar	Kodo Millet	Amar Singh Maravi
916	REG/2017/666	Farmer	BATRI CHAPTI PHOOL	Fieldpea	Phoolwati
917	REG/2017/667	Farmer	Alsi Prem	Linseed	Prem Singh
918	REG/2017/669	Farmer	KALA TIWDA DHANOLI	Fieldpea	Ram Singh

919	REG/2017/670	Farmer	SAKALOO DHAN	Rice	Patiram
920	REG/2017/671	Farmer	Batri Patiram	Fieldpea	Patiram
921	REG/2017/673	Farmer	CHHOTA SATHIYA	Rice	Chhota
922	REG/2017/674	Farmer	SAKALOO BHENDA	Okra/Lady's Finger	Patiram
923	REG/2017/675	Farmer	Kodo Bhoora Amar Khamariya	Kodo Millet	Amar Singh
924	REG/2017/679	Farmer	Kodo Ladri Kamoor	Kodo Millet	Kamoo Lal
925	REG/2017/680	Farmer	JUNWANI AMAR DHAN	Rice	Kamoo Lal
926	REG/2017/681	Farmer	MAGHIYA AMRU ARHAR	Pigeon pea	Amru Singh
927	REG/2017/682	Farmer	KUTKI SITHAHI PREM	Little Millet	Prem Singh
928	REG/2017/683	Farmer	KARIYA BUDHUDHU KODO	Kodo Millet	Budhdhu
929	REG/2017/684	Farmer	KODO KRITAKI KHAMARIYA	Kodo Millet	Prem Singh
930	REG/2017/686	Farmer	KALI MATA KUTKI	Little Millet	Hem Prakash
931	REG/2017/687	Farmer	URAI BOOTA HEM	Rice	Hem Prakash
932	REG/2017/689	Farmer	Bhaga Kodo	Kodo Millet	Bhaga Bai
933	REG/2017/692	Farmer	BUDHU JUNWANI KUTKI	Little Millet	Budhdhu
934	REG/2017/693	Farmer	KODO GHEVARI PANKU	Kodo Millet	Pankoo
935	REG/2017/697	Farmer	Alsi Jale Pandre	Linseed	Sukhram Pandre
936	REG/2017/698	Farmer	SUKDAS BUDHDHU	Rice	Budhdhu
937	REG/2017/699	Farmer	DHARAM NUNGA	Rice	Dharam Singh
938	REG/2017/700	Farmer	DHAN KHAMERA BHAGWAT	Rice	Bhagwati
939	REG/2017/701	Farmer	Rebuta Khamariya Prem	Rice	Prem Singh
940	REG/2017/703	Farmer	NUNGI BAL	Rice	Balkisan
941	REG/2017/704	Farmer	Bhadela Khamariya Amaan	Rice	Amaan Singh
942	REG/2017/705	Farmer	TEHRA MAHAIYA	Pigeon pea	Tehra Bai
943	REG/2017/706	Farmer	LUCHAI JALEGAO LALU	Rice	Lalu Singh
944	REG/2017/708	Farmer	BADE NUNGA TEHRA KHAMARIYA	Rice	Tehra Bai
945	REG/2017/709	Farmer	CHHOTI NUNGA HIRLU PATTA	Rice	Hirlu Singh
946	REG/2017/710	Farmer	SUKDAS KASHI	Rice	Kashi Ram
947	REG/2017/711	Farmer	KUTKI KASHI KHAMARIYA	Little Millet	Kashi Ram
948	REG/2017/713	Farmer	Sumrin Kodo	Kodo Millet	Sumrin Bai
949	REG/2017/714	Farmer	Dhan Langa Brijlal	Rice	Brijlal Yadav
950	REG/2017/717	Farmer	KALI KUTKI SUMRIN	Little Millet	Sumrin Bai
951	REG/2017/718	Farmer	CHATRU MATAR	Fieldpea	Chatru
952	REG/2017/720	Farmer	BARRA ARHAR MANKI	Pigeon pea	Manki

953	REG/2017/721	Farmer	IRPACHI DHAN	Rice	Nailash
954	REG/2017/729	Farmer	CHINTAMAN DHAN	Rice	Chintaman Goru
955	REG/2017/733	Farmer	SAMAL ARHAR	Pigeon pea	Samal
956	REG/2017/736	Farmer	PAIKU ARHAR	Pigeon pea	Somji Dhurve
957	REG/2017/737	Farmer	Kanchansa Matar	Fieldpea	Kanchansa Uikey
958	REG/2017/742	Farmer	DHAN DHANNA	Rice	Dhanna Ram
959	REG/2017/744	Farmer	Safed Baramasi Arhar Ajay	Pigeon pea	Ajay Kekatpure
960	REG/2017/745	Farmer	LAL ARHAR MANOHAR	Pigeon pea	Maohar Lalji
961	REG/2017/747	Farmer	Giya Tuar	Pigeon pea	Giya Verma
962	REG/2017/749	Farmer	ASHARAM KUTKI	Barnyard Millet	Asharam Maravi
963	REG/2017/760	Farmer	KADIR ARHAR	Pigeon pea	Kadir Khan
964	REG/2017/761	Farmer	KESHAV BATANA	Fieldpea	Keshav Prasad Dehariya
965	REG/2017/762	Farmer	Gayaprasad Dhaniya	Coriander	Gaya Prasad Dehariya
966	REG/2017/764	Farmer	CHHIDAMI KODO	Kodo Millet	Chhidami Dehariya
967	REG/2017/767	Farmer	SUBHASH TUAR	Pigeon pea	Subhash Kavreti
968	REG/2017/770	Farmer	VINDAR CHOTI BATRI	Fieldpea	Vindar Gyani Uikey
969	REG/2017/772	Farmer	MAHESH DHAN	Rice	Mahesh
970	REG/2017/774	Farmer	SOMNATH PILI BATRI	Fieldpea	Somnath Hariram Kumhare
971	REG/2017/776	Farmer	DANGU DHAN	Rice	Gayaprasad Dangu Uikey
972	REG/2017/777	Farmer	KARDHANA GAYAPRASAD	Rice	Gayaprasad Dangu Uikey
973	REG/2017/779	Farmer	KALI KUTKI	Little Millet	Bisan Lal
974	REG/2017/781	Farmer	INDRA TENDNI TUAR	Pigeon pea	Indra Kumar
975	REG/2017/783	Farmer	PREM TENDNI LAKHU DHAN	Rice	Prem Narayan
976	REG/2017/784	Farmer	CHHOTI RAHAR	Pigeon pea	Kishori Lal
977	REG/2017/788	Farmer	Kardhana Brajbhan Ghogri	Rice	Brajbhan
978	REG/2017/790	Farmer	HRIDHAN BRIJ	Rice	Brajbhan
979	REG/2017/791	Farmer	Mamok Kodo	Kodo Millet	Mamok Singh
980	REG/2017/795	Farmer	DHAN MAMOK	Rice	Mamok Singh
981	REG/2017/796	Farmer	Shyam Arhar Harrai	Pigeon pea	Shyam Bai
982	REG/2017/800	Farmer	Safed Tuar Phool	Pigeon pea	Phoolman
983	REG/2017/801	Farmer	PHOOLMAN SAFED BATERO DHAN	Rice	Phoolman
984	REG/2017/802	Farmer	PHOOLMAN SAFED DHAN	Rice	Phoolman
985	REG/2017/803	Farmer	Safed Tuar	Pigeon pea	Vinod Sukhman Dhurve
986	REG/2017/805	Farmer	Safed Kutki Ghanora	Little Millet	Sanjay Sudhman Yadav
987	REG/2017/806	Farmer	KALI BATRI SANJAY	Fieldpea	Sanjay Sudhman Yadav

988	REG/2017/807	Farmer	SAFED DHAN SANJAY	Rice	Sanjay Sudhman Yadav
989	REG/2017/809	Farmer	JAL DHAN	Rice	Jalman
990	REG/2017/814	Farmer	KARDHANA MANKALI	Rice	Mankali
991	REG/2017/817	Farmer	Man Kodo	Kodo Millet	Mankali
992	REG/2017/818	Farmer	RAM ARHAR	Pigeon pea	Ram Kumar
993	REG/2017/819	Farmer	DHAN BATRA	Fieldpea	Ram Kumar
994	REG/2017/820	Farmer	BATRO DHAN	Rice	Raj Kumar
995	REG/2017/821	Farmer	KALI KUTKI RAJ	Little Millet	Raj Kumar
996	REG/2017/824	Farmer	BATANA MULCHAND	Fieldpea	Mulchand Sahu
997	REG/2017/830	Farmer	Kodo Preetam	Kodo Millet	Preetam Dehariya
998	REG/2017/831	Farmer	SUKHDAS DHAN	Rice	Janki Ivnati
999	REG/2017/834	Farmer	RUSHMAN DHAN	Rice	Rushman Parteti
1000	REG/2017/836	Farmer	ADHAR LAL DHAN	Rice	Adhar Ivnati
1001	REG/2017/839	Farmer	KARDHANA MANJEET	Rice	Manjeet Parteti
1002	REG/2017/840	Farmer	Sanjeet Kodo	Kodo Millet	Sanjeet
1003	REG/2017/842	Farmer	SHARDA TUAR	Pigeon pea	Sharda
1004	REG/2017/855	Farmer	KEWLARI	Rice	Sukal Saiyam
1005	REG/2017/857	Farmer	ASSAM KOTI	Rice	Virendra Neti
1006	REG/2017/858	Farmer	DESI SARLA	Rice	Virendra Neti
1007	REG/2017/859	Farmer	Chhoti Kodo	Kodo Millet	Ram Kripal Yadav
1008	REG/2017/860	Farmer	KALI KUTKI RAM	Little Millet	Ram Kripal Yadav
1009	REG/2017/861	Farmer	MAHUA DHETA	Rice	Ghure Lal Parte
1010	REG/2017/863	Farmer	GUNDALI	Rice	Dub Chandra Marko
1011	REG/2017/864	Farmer	PEELI LUCHAI SAMLU	Rice	Samlu Yadav
1012	REG/2017/865	Farmer	KALI KUTKI NAN	Little Millet	Nan Dau Parte
1013	REG/2017/866	Farmer	KAKEHARI	Rice	Ram Kripal Yadav
1014	REG/2017/867	Farmer	PEELI LUCHAI SUKAL	Rice	Sukal Saiyam
1015	REG/2017/869	Farmer	SULTHO	Rice	Ghure Lal Parte
1016	REG/2017/871	Farmer	CHOTI SAFED LUCHAI	Rice	Asha Ram Bega
1017	REG/2017/872	Farmer	BAGBOOT	Rice	Vishnu Lal Yadav
1018	REG/2017/874	Farmer	SHYAM KUTKI	Little Millet	Ghure Lal Parte
1019	REG/2017/876	Farmer	KALI KUTKI CHANGARIYA	Little Millet	Sukal Parte
1020	REG/2017/877	Farmer	Mahiya Asha	Pigeon pea	Asha Ram Bega
1021	REG/2017/879	Farmer	GUNDALI RAM	Rice	Ram Prasad Markam
1022	REG/2017/881	Farmer	KALI CHOTI NAND	Fieldpea	Nand Lal Sahu
1023	REG/2017/882	Farmer	CHOTI KALI KOMAL	Fieldpea	Killa Bai
1024	REG/2017/883	Farmer	CHOTI KALI JHETHU	Fieldpea	Jethu Sahu
1025	REG/2017/884	Farmer	KALI CHOTI RAJENDRA	Fieldpea	Rajendra Sahu

1026	REG/2017/887	Farmer	CHOTI LUCHAI MUNNA	Rice	Munna Lal Neti
1027	REG/2017/889	Farmer	Kali Choti Ram	Fieldpea	Munna Lal Neti
1028	REG/2017/891	Farmer	MAHIYA RAJENDRA	Pigeon pea	Rajendra Kumar Yadav
1029	REG/2017/897	Farmer	Mahiya Dharmu	Pigeon pea	Dharam Singh Dhurve
1030	REG/2017/898	Farmer	Kodo Manik	Kodo Millet	Manik Lal Masram
1031	REG/2017/899	Farmer	KUTKI RAMANARAYAN	Little Millet	Ram Narayan Masram
1032	REG/2017/900	Farmer	HARU DHAN	Rice	Bhour Singh Pandro
1033	REG/2017/901	Farmer	KUDVERIYA	Rice	Ramesh Maravi
1034	REG/2017/902	Farmer	SARSARI DHRAM	Rice	Dharam Singh Dhurve
1035	REG/2017/904	Farmer	Mahiya Basori	Pigeon pea	Basori Lal Masram
1036	REG/2017/906	Farmer	KARDHANA BOKARI	Rice	Parwati Bai
1037	REG/2017/907	Farmer	KUTKI JHARIYA	Little Millet	Ramkumar Jhariya
1038	REG/2017/908	Farmer	Kodo Mangal	Kodo Millet	Mangal Singh Uikey
1039	REG/2017/910	Farmer	Mahiya Bhour	Pigeon pea	Bhour Singh Pandro
1040	REG/2017/911	Farmer	SAFED BATRI GUDDA	Fieldpea	Gudda Kumar Dhurve
1041	REG/2017/912	Farmer	BATARI BHOUR	Fieldpea	Bhour Singh Pandro
1042	REG/2017/915	Farmer	Kali Batri Dhurvey	Fieldpea	Gudda Kumar Dhurve
1043	REG/2017/916	Farmer	KODO UMESH	Kodo Millet	Umesh Kumar Uikey
1044	REG/2017/917	Farmer	KARDHANA MANIK	Rice	Manik Lal Masram
1045	REG/2017/918	Farmer	LUCHAI DHAN HARILAL	Rice	Hari Lal Narte
1046	REG/2017/919	Farmer	Choti Safed Anju	Fieldpea	Anju Bai Dhurve
1047	REG/2017/920	Farmer	Batri Kali Dana Chota	Fieldpea	Anju Bai Dhurve
1048	REG/2017/921	Farmer	Kodo Kaliram	Kodo Millet	Kali Ram Dhurve
1049	REG/2017/922	Farmer	SILRI	Rice	Saroj Bai Dhurve
1050	REG/2017/925	Farmer	PURANI TUAR (MAHRUN LAL)-PILOOKHEDI	Pigeon pea	Dalpat Singh
1051	REG/2017/927	Farmer	KATKIYAU ARHAR	Pigeon pea	Munna Lal Yadav
1052	REG/2017/929	Farmer	BARRACHHATRI DHAN	Rice	Nehru Lal Sunare
1053	REG/2017/930	Farmer	BARRI DHAN	Rice	Suman Chawade
1054	REG/2017/933	Farmer	Patya Kodo	Kodo Millet	Nirmala Sonare
1055	REG/2017/936	Farmer	DIHULA BAHADUR	Rice	Lal Bahadur Singh
1056	REG/2017/937	Farmer	HANSRAJ TEDUHA	Rice	Lal Bahadur Singh
1057	REG/2017/938	Farmer	BIRANJPHOOL BAHADUR	Rice	Lal Bahadur Singh
1058	REG/2017/939	Farmer	PATHARI LAL TEDUHA	Rice	Lal Bahadur Singh
1059	REG/2017/940	Farmer	LAYACHI TEDUHA	Rice	Lal Bahadur Singh
1060	REG/2017/941	Farmer	CHINMAURI DINESH	Rice	Dinesh Singh
1061	REG/2017/942	Farmer	SAIRI CHHOTE	Rice	Chotelal Singh
1062	REG/2017/943	Farmer	BASMATI SHIV	Rice	Shiv Pratap Singh

1063	REG/2017/944	Farmer	JALHORE UDAY	Rice	Uday Bhan Singh
1064	REG/2017/945	Farmer	BARBHAI CHAPRA	Rice	Uday Bhan Singh
1065	REG/2017/946	Farmer	LONGA ADITIYA	Rice	Aaditya Pratap Singh
1066	REG/2017/947	Farmer	LAMERA CHAPRA	Rice	Uday Bhan Singh
1067	REG/2017/948	Farmer	KARAHANI JURI	Rice	Devendra Singh
1068	REG/2017/949	Farmer	BHEJARI PUSHP	Rice	Pushp Raj Singh
1069	REG/2017/950	Farmer	KARMAYA INDRA	Rice	Indra Raj Singh
1070	REG/2017/951	Farmer	HANSA KANAK	Rice	Parvati Singh
1071	REG/2017/952	Farmer	GURMATIYA GOVIND	Rice	Govind Singh
1072	REG/2017/953	Farmer	BHATA PHOOL RAJENDRA	Rice	Rajendra Mishra
1073	REG/2017/954	Farmer	KARAN PHOOL BRU	Rice	Brij Bhan Singh
1074	REG/2017/955	Farmer	LOHANDI KAILASH	Rice	Kailash Sahu
1075	REG/2017/957	Farmer	BADALI YAGYA	Rice	Yagya Raj Singh
1076	REG/2017/958	Farmer	RETUA	Rice	Urmila Singh
1077	REG/2017/959	Farmer	MANGAR (RAIMUN)	Rice	Gajraj Singh
1078	REG/2017/960	Farmer	DUBRAJ TEDUHA	Rice	Lakshman Singh
1079	REG/2017/961	Farmer	LACHAI LILA	Rice	Lilawati
1080	REG/2017/962	Farmer	NADAWAL PREM	Rice	Prem Bahadur Singh
1081	REG/2017/964	Farmer	BHATA PHOOL BELHA	Rice	Lal Bahadur Singh
1082	REG/2017/966	Farmer	Kodaili Uday	Kodo Millet	Uday Bhan Singh
1083	REG/2017/969	Farmer	Bhadaila Teduha	Black gram	Lal Bahadur Singh
1084	REG/2017/972	Farmer	BAGARI KRISHNA	Rice	Krishna Pal Singh
1085	REG/2017/973	Farmer	KANAK NAND	Rice	Krishna Nand Sharma
1086	REG/2017/974	Farmer	HATHWA	Rice	Krishna Nand Sharma
1087	REG/2017/975	Farmer	Batura Choti Badwahi	Fieldpea	Urmila Singh Gaur
1088	REG/2017/976	Farmer	Arsi Naudhiya	Linseed	Krishna Nand Sharma
1089	REG/2017/978	Farmer	Bagari Naresh	Rice	Naresh Singh
1090	REG/2017/979	Farmer	Belaodha Chakdour	Rice	Ram Raj Singh
1091	REG/2017/980	Farmer	VISHNUBHOG JANAKPURI	Rice	Narendra Singh Chauhan
1092	REG/2017/981	Farmer	Vishnubhog Chakdour	Rice	Jay Lal Singh
1093	REG/2017/982	Farmer	Banke Raghuveer	Rice	Raghubeer Singh Gour
1094	REG/2017/983	Farmer	Lohadi Katharra	Rice	Ram Milan Sahu
1095	REG/2017/984	Farmer	Sonkharchi Shiv	Rice	Shiv Prasad Sahu
1096	REG/2017/985	Farmer	Dihula Yagya	Rice	Yagya Raj Singh
1097	REG/2017/986	Farmer	Bagari Ragu	Rice	Raghubeer Singh
1098	REG/2017/988	Farmer	Gol Batura Teduha	Fieldpea	Yagya Raj Singh
1099	REG/2017/989	Farmer	KODO CHAK	Kodo Millet	Raj Bhan Singh
1100	REG/2017/990	Farmer	MEJHARI CHAKRODH	Little Millet	Brij Nandan Singh
1101	REG/2017/999	Farmer	Sampat Kutki	Little Millet	Sampat Khapre

1102	REG/2017/1002	Farmer	Ganpat Arhar	Pigeon pea	Ganpat Powar
1103	REG/2017/1006	Farmer	Dhaniya Sahab	Coriander	Sahab Chandra Marpe
1104	REG/2017/1008	Farmer	KODO SIPATIYA	Kodo Millet	Sipatia Bai
1105	REG/2017/1010	Farmer	Matar Rangpur	Fieldpea	Sipatia Bai
1106	REG/2017/1014	Farmer	Kutki Rangpoor	Little Millet	Sipatia Bai
1107	REG/2017/1018	Farmer	ARHAR CHAPA	Pigeon pea	Sahab Chandra Marpe
1108	REG/2017/1019	Farmer	URD MARPE	Black gram	Sahab Chandra Marpe
1109	REG/2017/1020	Farmer	MIRCH DARK	Chilli	Sahab Chandra Marpe
1110	REG/2017/1021	Farmer	KUTKI BANI	Little Millet	Sugna Bai
1111	REG/2017/1022	Farmer	KUTKI SANGAT	Little Millet	Atrasa
1112	REG/2017/1023	Farmer	KUTKI GARAJ	Little Millet	Biran
1113	REG/2017/1024	Farmer	ITAR TUAR	Pigeon pea	Itarlal Parteti
1114	REG/2017/1025	Farmer	Santosh Kutki	Little Millet	Santosh Kakodiya
1115	REG/2017/1026	Farmer	Kok Rahar	Pigeon pea	Santosh Kakodiya
1116	REG/2017/1029	Farmer	DINI KUTKI	Little Millet	Dinkar Kokodiya
1117	REG/2017/1030	Farmer	KUTKI PAL	Little Millet	Naresh
1118	REG/2017/1031	Farmer	KUTKI CHIR	Little Millet	Inkar
1119	REG/2017/1032	Farmer	ATISH KUTKI	Little Millet	Atish Uikey
1120	REG/2017/1033	Farmer	KUTKI RAJWAL	Little Millet	Rajwal
1121	REG/2017/1034	Farmer	TUAR BARAMASI	Pigeon pea	Hajari
1122	REG/2017/1036	Farmer	KUTKI TAMIYA	Little Millet	Rajkumar Angare
1123	REG/2017/1040	Farmer	KUTKI OKHAT	Little Millet	Kare Lal Angare
1124	REG/2017/1042	Farmer	TUAR ASADI	Pigeon pea	Kare Lal Angare
1125	REG/2017/1043	Farmer	KUTKI RANGLAL RASHAI	Little Millet	Rag Lal Bharti
1126	REG/2017/1044	Farmer	Tuar Parasiya	Pigeon pea	Rag Lal Bharti
1127	REG/2017/1046	Farmer	Lal Sant Dhan	Rice	Santa Bai Bharti
1128	REG/2017/1047	Farmer	KUTKI RASAI	Little Millet	Kali Ram Angare
1129	REG/2017/1052	Farmer	KUTKI KHERI	Little Millet	Siya Lal
1130	REG/2017/1054	Farmer	Matar Ageti	Fieldpea	Mithla Bai Angare
1131	REG/2017/1055	Farmer	CHHOTI KUTKI GULAB	Little Millet	Gulab Singh
1132	REG/2017/1056	Farmer	Tuar Ujar	Pigeon pea	Ram Dayal
1133	REG/2017/1057	Farmer	Kutki Paniar	Little Millet	Ram Dayal
1134	REG/2017/1059	Farmer	Arhar Lali	Pigeon pea	Ishwar Das Sahu
1135	REG/2017/1061	Farmer	KUTKI PALA BEVRI	Little Millet	Ratan
1136	REG/2017/1065	Farmer	Tuar Hori Lal	Pigeon pea	Mohan Dehariya
1137	REG/2017/1069	Farmer	Kutkii Kakodiya	Little Millet	Gan Prasad
1138	REG/2017/1074	Farmer	TUAR GHOORAN	Pigeon pea	Meera Bai
1139	REG/2017/1080	Farmer	TUAR KISHOR	Pigeon pea	Kishori
1140	REG/2017/1082	Farmer	Kutki Bhateli	Little Millet	Sant Lal Irpachi
1141	REG/2017/1084	Farmer	ARHAR SANT KATHIYA	Pigeon pea	Sant Lal Irpachi
1142	REG/2017/1086	Farmer	ARHAR AGETI SHRIJHOT	Pigeon pea	Barati Lal Bharti

1143	REG/2017/1087	Farmer	Uday Kodo	Kodo Millet	Uday Bhansa
1144	REG/2017/1088	Farmer	Kutki Kali Uday	Little Millet	Uday Bhansa
1145	REG/2017/1089	Farmer	DHANIYA BARATI	Coriander	Barati Lal
1146	REG/2017/1090	Farmer	TUAR KHAR	Pigeon pea	Gulab Singh
1147	REG/2017/1093	Farmer	Ishwarya Dhan	Rice	Ishwarya Dindayal
1148	REG/2017/1098	Farmer	HARI TUAR	Pigeon pea	Kavita Premsagar
1149	REG/2017/1101	Farmer	VEERBHAN MANGAL DHAN	Rice	Veerbhan Mangal Kavreti
1150	REG/2017/1105	Farmer	SAJ KARA KUTKI	Little Millet	Karabai Shah
1151	REG/2017/1106	Farmer	KUHI SURESH TUAR	Pigeon pea	Suresh Shah
1152	REG/2017/1109	Farmer	Sajkuhi Pushpa Kangana	Foxtail Millet	Pushpa
1153	REG/2017/1111	Farmer	Saj Rajesh Kutki	Little Millet	Rajesh
1154	REG/2017/1113	Farmer	Saj Govind Kutki	Little Millet	Govind Jawre
1155	REG/2017/1114	Farmer	SAJ SUSHMA TUAR	Pigeon pea	Sushma
1156	REG/2017/1115	Farmer	MULCHAND KUTKI	Barnyard Millet	Mukchand
1157	REG/2017/1119	Farmer	ARVIND SAJ TUAR	Pigeon pea	Arvind
1158	REG/2017/1120	Farmer	SAJ SHANTI TUAR	Pigeon pea	Shanti
1159	REG/2017/1121	Farmer	Lakhan Kuhi Kutki	Little Millet	Lakhan
1160	REG/2017/1122	Farmer	SAJ SANDEEP KODO	Kodo Millet	Sandeep
1161	REG/2017/1123	Farmer	Kailash Dhagdona Kutki	Little Millet	Kailash
1162	REG/2017/1124	Farmer	IMRAT TUAR	Pigeon pea	Imrat
1163	REG/2017/1125	Farmer	MOHANTI KUTKI	Little Millet	Mohanti
1164	REG/2017/1127	Farmer	AMAR DHANA	Coriander	Amar Chand Prajapati
1165	REG/2017/1139	Farmer	Hasgora Urad	Black gram	Rakesh Kushwaha
1166	REG/2017/1141	Farmer	Urad Mathura	Black gram	Mathura Prasad Kushwaha
1167	REG/2017/1147	Farmer	BHADAINU	Rice	Gokul Prasad Kushwaha
1168	REG/2017/1148	Farmer	SURESH LAL DHAN	Rice	Suresh Kushwaha
1169	REG/2017/1151	Farmer	Gokul Matar	Fieldpea	Gokul Kushwaha
1170	REG/2017/1156	Farmer	BANPUR DHAN	Rice	Hari Ram Kushwaha
1171	REG/2017/1165	Farmer	Hariram Matar	Fieldpea	Hari Ram Kushwaha
1172	REG/2017/1168	Farmer	LAL DHAN KUSHWAHA	Rice	Hari Ram Kushwaha
1173	REG/2017/1169	Farmer	Chikti Babu	Linseed	Babu Lal Singh
1174	REG/2017/1170	Farmer	Betal	Linseed	Babu Lal Singh
1175	REG/2017/1177	Farmer	Batari Mahendra	Fieldpea	Mahendra Singh
1176	REG/2017/1182	Farmer	Rahli	Linseed	Krishna Lal Mishra
1177	REG/2017/1183	Farmer	Azad	Wheat	Lakhan Lal Mishra
1178	REG/2017/1184	Farmer	LALI LAKHAN	Rice	Lakhan Lal Mishra
1179	REG/2017/1185	Farmer	Chaiti Naresh	Pigeon pea	Ram Naresh Tripathi
1180	REG/2017/1192	Farmer	Garhan Naresh	Pigeon pea	Ram Naresh Mishra
1181	REG/2017/1193	Farmer	Sulheda Khela	Linseed	Ram Naresh Mishra
1182	REG/2017/1200	Farmer	MALTI GURU	Rice	Guru Prasad Patel

1183	REG/2017/1201	Farmer	BADKAWA GURU	Coriander	Guru Prasad Patel
1184	REG/2017/1202	Farmer	Badki Guru	Pigeon pea	Guru Prasad Patel
1185	REG/2017/1204	Farmer	RAMIYA RAM KHELAWAN	Fenugreek	Ram Khelawan Patel
1186	REG/2017/1206	Farmer	ARHAR RITHI	Pigeon pea	Rakesh Patel
1187	REG/2017/1209	Farmer	Lali Dharmendra	Pigeon pea	Dharmendra Patel
1188	REG/2017/1213	Farmer	Madni	Pigeon pea	Ramayan Patel
1189	REG/2017/1215	Farmer	SAKHI	Fieldpea	Ramayan Patel
1190	REG/2017/1218	Farmer	RIMJHIM	Fieldpea	Ramadhar Patel
1191	REG/2017/1219	Farmer	Laliya	Rice	Ashok Patel
1192	REG/2017/1222	Farmer	MAHAKU	Coriander	Ashok Patel
1193	REG/2017/1225	Farmer	KHUSHABU	Coriander	Ram Lal Patel
1194	REG/2017/1231	Farmer	Nongi Ashok	Rice	Ashok Patel
1195	REG/2017/1233	Farmer	Kartik Shyam	Black gram	Shyam Lal Patel
1196	REG/2017/1235	Farmer	PATKI DEVENDRA	Rice	Devendra Tripathi
1197	REG/2017/1237	Farmer	PATKA SHATRU	Pigeon pea	Shatrudhan Singh
1198	REG/2017/1240	Farmer	Lenki Yamuna	Linseed	Yamuna Prasad
1199	REG/2017/1241	Farmer	TUAL KOPE	Pigeon pea	Pushpa Deshmukh
1200	REG/2017/1244	Farmer	Makrand Mohgaon	Rice	Virendra Bisen
1201	REG/2017/1245	Farmer	Lal Dhan Bhatlae	Rice	Bhunesh Thakre
1202	REG/2017/1246	Farmer	BAHURUPI CHIJGAON	Rice	Durga Prasad
1203	REG/2017/1247	Farmer	Kalimoonch Pouni	Rice	Jugal Kishore Thakre
1204	REG/2017/1248	Farmer	Jurandi Kaveli	Rice	Keval Singh Maravi
1205	REG/2017/1249	Farmer	Badalpur Paraswada	Rice	Rajkumar Choudhary
1206	REG/2017/1250	Farmer	BAKRAM PARASWADA	Rice	Rajkumar Choudhary
1207	REG/2017/1251	Farmer	HARIYA POUNI	Rice	Jugal Kishore Thakre
1208	REG/2017/1252	Farmer	SUSHMA KHANDAPAR	Rice	Narendra Tilgam
1209	REG/2017/1253	Farmer	Raghunath Samnapur	Rice	Atil Lal Rahangdale
1210	REG/2017/1254	Farmer	SONAL MOHGAON	Rice	Virendra Bisen
1211	REG/2017/1255	Farmer	Alsi Dongariya Utaira	Linseed	Sona Bai Thakre
1212	REG/2017/1259	Farmer	TUVAL KAYDI	Pigeon pea	Sobe Lal Lilhare
1213	REG/2017/1260	Farmer	Dhan Dongariya	Rice	Chain Lal Jaitwar
1214	REG/2017/1265	Farmer	SUKHDAS CHAPARA	Rice	Ashok Kumar Gajam
1215	REG/2017/1266	Farmer	TUAR SAFED	Pigeon pea	Islam Bee
1216	REG/2017/1267	Farmer	Alsi Takhla	Linseed	Dadu Ram Bharti
1217	REG/2017/1268	Farmer	KUTKI TAKHLA	Little Millet	Sant Lal Jharia
1218	REG/2017/1272	Farmer	SAREKHA TUAR	Pigeon pea	Khuman Singh
1219	REG/2017/1279	Farmer	SOWA KUTKI	Little Millet	Halku Uikey
1220	REG/2017/1281	Farmer	Kala Antarbel Dhan	Rice	Jwar Singh
1221	REG/2017/1283	Farmer	SOTHA ARHAR	Pigeon pea	Bhangi Lal
1222	REG/2017/1284	Farmer	Bari Urad	Black gram	Saraswati Bai

1223	REG/2017/1286	Farmer	THARRI YASHODA	Rice	Yashoda Bai
1224	REG/2017/1287	Farmer	Shera Kehar	Rice	Devendra Singh
1225	REG/2017/1288	Farmer	Laali Anant	Rice	Harnam Singh
1226	REG/2017/1289	Farmer	Nawari Narvad	Rice	Phoolwati Bai
1227	REG/2017/1290	Farmer	Kudai Ramli	Kodo Millet	Ramli Bai
1228	REG/2017/1292	Farmer	BHADELI DHANNU	Kodo Millet	Brihaspatiya Bai
1229	REG/2017/1293	Farmer	BATRI AMBE	Fieldpea	Ambe Bai
1230	REG/2017/1337	Farmer	Saral Jait Tuar	Pigeon pea	Sarla
1231	REG/2017/1341	Farmer	Sukbariya Dhan	Rice	Sukbariya Uikey
1232	REG/2017/1344	Farmer	Kuriya Dhan	Rice	Kuriya
1233	REG/2017/1353	Farmer	Ganesh Urad	Black gram	Ganesh Uikey
1234	REG/2017/1359	Farmer	Dulari Dhan	Rice	Dulari Dhurve
1235	REG/2017/1361	Farmer	Sukhlal Dhan	Rice	Sukhlal Uikey
1236	REG/2017/1362	Farmer	Shanta Tuar	Pigeon pea	Shanta Ivnati
1237	REG/2017/1363	Farmer	KAMAL TOD TUAR	Pigeon pea	Kamal Uikey
1238	REG/2017/1368	Farmer	Tulasiya Tuar	Pigeon pea	Tulasiya
1239	REG/2017/1410	Farmer	TIKHI	Chilli	Parmeshwar Mahto
1240	REG/2017/1411	Farmer	SURLA	Brinjal	Chunni Mahto
1241	REG/2017/1414	Farmer	PATLA	Rice	Aanand Singh
1242	REG/2017/1459	Farmer	CHAITALI	Bottle Gourd	Hooghly Vegetable Growers Producers Co. Ltd.
1243	REG/2017/1461	Farmer	HARINA	Chilli	Ramkrishna Vivekananda Trust
1244	REG/2017/1467	New	PP74	Pearl Millet	M/s Crystal Crop Protection Limited
1245	REG/2017/1468	New	PSP73	Pearl Millet	M/s Crystal Crop Protection Limited
1246	REG/2017/1583	Extant (Notified)	VL Dhan 157 (VL 8302) (IET 22292)	Rice	Indian Council of Agricultural Research
1247	REG/2017/1586	Extant (Notified)	VL Dhan 68 (VL 31611) (IET 22283)	Rice	Indian Council of Agricultural Research
1248	REG/2017/1617	Farmer	SHITHO CHUSEI	Chilli	Dziesebeituo Hezhatsu
1249	REG/2017/1621	Farmer	Kartikia	Black gram	Ragupat Singh
1250	REG/2017/1644	New	P3388	Maize	Pioneer Overseas Corporation
1251	REG/2017/1653	Farmer	KANDOOU	Rice	Ramesh Kumar
1252	REG/2017/1664	Farmer	LAL CHAWAL	Rice	Chanchal Kumar
1253	REG/2017/1672	Farmer	BHAIRAV-1	Black gram	Rajnikant Keshabhai Patel
1254	REG/2017/1681	Farmer	BATESU DHAN (GKSS DHAN-1)	Rice	Gramin Khadya Samprabhuta Samooha
1255	REG/2017/1682	Farmer	BAMKUWA DHAN (GKSS DHAN-2)	Rice	Gramin Khadya Samprabhuta Samooha
1256	REG/2017/1683	Farmer	DUDHIYA DHAN (GKSS DHAN 3)	Rice	Gramin Khadya Samprabhuta Samooha

1257	REG/2017/1684	Farmer	LAL DHAN (GKSS DHAN-5)	Rice	Gramin Khadya Samprabhuta Samooha
1258	REG/2017/1685	Farmer	LAMGUDI DHAN (GKSS DHAN-6)	Rice	Gramin Khadya Samprabhuta Samooha
1259	REG/2017/1686	Farmer	KAOTHUNI DHAN (GKSS DHAN-7)	Rice	Gramin Khadya Samprabhuta Samooha
1260	REG/2017/1687	Farmer	KAONOWI DHAN (GKSS DHAN-8)	Rice	Gramin Khadya Samprabhuta Samooha
1261	REG/2017/1688	Farmer	GITA DHAN (GKSS DHAN-9)	Rice	Gramin Khadya Samprabhuta Samooha
1262	REG/2017/1689	Farmer	JAULIA DHAN (GKSS DHAN-10)	Rice	Gramin Khadya Samprabhuta Samooha
1263	REG/2017/1711	Farmer	TIL SURI LOCAL KALA (GKSS Til-1)	Sesame	Gramin Khadya Samprabhuta Samooha
1264	REG/2017/1712	Farmer	TIL SURI LOCAL BHURA (GKSS Til-2)	Sesame	Gramin Khadya Samprabhuta Samooha
1265	REG/2017/1716	Farmer	RANI	Mango	Syed Nuruttman & Others
1266	REG/2017/1717	Farmer	CHANDAN KHOSA	Mango	Naba Kumar Sarkar & Others
1267	REG/2017/1718	Farmer	KUMROJALI	Mango	Rathindranath Mandal, Toajib Seikh, Josimuddin Seikh
1268	REG/2017/1719	Farmer	KELE PAHAR	Mango	Nuzrul Islam, Rathindranath Mandal, Md. Khabiruddin Seikj
1269	REG/2017/1720	Farmer	BIRA	Mango	Toajib Seikh & Others
1270	REG/2017/1721	Farmer	MOLAMJAM	Mango	Md. Khabiruddin Seikh & Others
1271	REG/2017/1722	Farmer	GOLAP KHAS	Mango	Pradip Sarkar & Others
1272	REG/2017/1723	Farmer	SUPARI	Mango	Najimuddin Sarkar
1273	REG/2017/1727	Farmer	CHINI CHAMPA	Mango	Jainuddin Seikh
1274	REG/2017/1728	Farmer	ANANAS	Mango	Nuzrul Islam & Others
1275	REG/2017/1729	Farmer	LUCKY	Mango	Antu Seikh, Saokat Ali
1276	REG/2017/1730	Farmer	DHOBANI SINDURE	Mango	Md. Khabiruddin Seikh & Others
1277	REG/2017/1731	Farmer	BORO SINDURE	Mango	Md. Khabiruddin Seikh & Others
1278	REG/2017/1732	Farmer	BIMLI	Mango	Naba Kumar Sarkar
1279	REG/2017/1733	Farmer	DILSHAD	Mango	Nuzrul Islam, Md. Khabiruddin Seikh, Amir Rasid, Sariful Islam, Abdur Rasid, Abdul Hayat Akter, Lakhan Sarkar, Seikh

					Najmul
1280	REG/2017/1734	Farmer	BEGAM PASIN	Mango	Jainuddin Seikh
1281	REG/2017/1735	Farmer	JAKSON BOMBAY	Mango	Jainuddin Seikh, Moinuddin Seikh
1282	REG/2017/1736	Farmer	BISWANATH	Mango	Syed Nuruttman & Others
1283	REG/2017/1737	Farmer	KOHITUR	Mango	Nuzrul Islam & Others
1284	REG/2017/1738	Farmer	ROUGNI	Mango	Md. Khabiruddin Seikh, Moinuddin Seikh
1285	REG/2017/1739	Farmer	BELLA KISHAN BHOG	Mango	Moinuddin Seikh and Md. Khabiruddin Seikh
1286	REG/2017/1741	Farmer	JILAPIKARA	Mango	Meher Ali, Md. Kamrul Islam, Md. Arjaul Haque, Md. Ansarul, Monirul Islam
1287	REG/2017/1742	Farmer	JALIBANDHA	Mango	Selim Raza, Md. Arjaul Haque, Bijoya Mukharjee
1288	REG/2017/1743	Farmer	MISRIKAN	Mango	Dharma Mandal, Bijon Mondal, Pratap Mandal, Swapan Kumar Mandal, Choitanyapodo Das, Apurba Das
1289	REG/2017/1744	Farmer	SOUNIA	Mango	Uttam Mandal, Shankar Rajak, Bijon Mondal, Swapan Mandal, Arun Kumar Mandal, Topesh Mandal
1290	REG/2017/1745	Farmer	AMRIT KUNNA	Mango	Sohodev Mandal, Parimal Mandal
1291	REG/2017/1746	Farmer	BRINDABANI	Mango	Paban Kumar Mandal & Others
1292	REG/2017/1747	Farmer	NABAB PASAND	Mango	Jabed Amin, Meher Ali
1293	REG/2017/1748	Farmer	PAPITA BHOG	Mango	Selim Raza and Others
1294	REG/2017/1750	Farmer	SAHEB PASAND	Mango	Jabed Amin & Others
1295	REG/2017/1752	Farmer	DUDH KUMAR	Mango	Pabitra Nagar Sharma & Others
1296	REG/2017/1753	Farmer	NAKUA	Mango	Atul Chandra Mandal, Swapan Kumar Mandal, Udai Mandal
1297	REG/2017/1754	Farmer	AMRIT BHOG	Mango	Biman Mandal & Others
1298	REG/2017/1755	Farmer	CHINTAMUNI	Mango	Biman Mandal, Kalipada Mandal, Swapan Kumar Mandal, Biswajit Roy
1299	REG/2017/1756	Farmer	DARIKA	Mango	Udai Mandal & Others

1300	REG/2017/1757	Farmer	RAJBHOG	Mango	Nanigopal Mandal, Biman Mandal, Meher Ali, Biswajit Roy
1301	REG/2017/1758	Farmer	BHARATI	Mango	Abhiram Mandal & Others
1302	REG/2017/1759	Farmer	KISHANBHOG	Mango	Parimal Mandal & Others
1303	REG/2017/1760	Farmer	FUNIA	Mango	Dharma Mandal & Others
1304	REG/2017/1761	Farmer	DILKHOS	Mango	Apurba Das, Choitanyapodo Das, Ratan Das, Uttam Sarkar
1305	REG/2017/1762	Farmer	ARAJANMA	Mango	Paban Kumar Mandal & Others
1306	REG/2017/1763	Farmer	REHUMUNDA	Mango	Serajul Islam & Others
1307	REG/2017/1764	Farmer	KALIA BHOG	Mango	Selim Raza and Others
1308	REG/2017/1765	Farmer	AMIR PASIN	Mango	Selim Raza, Manirul Hossain, Uttam Mukharjee
1309	REG/2017/1766	Farmer	KUMAR PAHAR	Mango	Biman Mandal, Dulal Mandal, Udai Mandal
1310	REG/2017/1767	Extant (VCK)	DS4142	Maize	Agrigenetics Inc.
1311	REG/2017/1768	Farmer	Biliya Marcha	Chilli	Patel Vineshbhai Natvarlal Cheldas
1312	REG/2017/1791	Farmer	CHINTA MANGO	Mango	Chinta Haran Biswas
1313	REG/2017/1797	Farmer	NIRANJAN BHATA	Brinjal	Leela Ram Sahu
1314	REG/2017/1817	New	PM16205L	Maize	Pioneer Overseas Corporation
1315	REG/2017/1820	Farmer	SUGANTI	Rice	Suganti Devi
1316	REG/2017/1821	Farmer	SURAJMUNI	Rice	Surajmuni Devi
1317	REG/2017/1852	Farmer	NIRJALA MASOORI	Lentil	Nirjala Jha
1318	REG/2017/1858	Farmer	CHESRI MUNG DAL	Green gram	Nabadwip Singha Choudhoury
1319	REG/2017/1859	Farmer	KASHIPUR FARASH	Kidney bean	Ali Ahmed Laskar
1320	REG/2017/1871	Farmer	SHIV KALA	Indian mustard (Sarso)	Pulkit Singh
1321	REG/2017/1885	Farmer	BAKOL	Rice	Hitesh Singh
1322	REG/2017/1889	Farmer	R.S-1	Indian mustard (Sarso)	Navin Kumar Mahto
1323	REG/2017/1956	Farmer	SUBHASH-SUGANDH	Rice	Subhash Chandra
1324	REG/2017/1957	Farmer	SHAIL-MIRCH	Chilli	Subhash Chandra
1325	REG/2017/1984	Farmer	Sunil-U	Black gram	Sunil Kumar
1326	REG/2017/2014	Farmer	YKB-FP	Fieldpea	Yogesh Kumar
1327	REG/2017/2025	Farmer	HP-UM	Black gram	Hari Prasad
1328	REG/2017/2030	Farmer	GR-KM	Kodo Millet	Gangaram
1329	REG/2017/2051	Farmer	SRIKANT-SAFED	Turmeric	Shwetank Kumar Tripathi
1330	REG/2017/2052	Farmer	MANOJ-T	Turmeric	Shwetank Kumar Tripathi

1331	REG/2017/2053	Farmer	RAGINI-T	Turmeric	Shwetank Kumar Tripathi
1332	REG/2017/2081	Farmer	JAGADAMBA-N2	Mango	Sh. Nagjibhai Chanabhai Boghra
1333	REG/2017/2082	Farmer	JAGADAMBA-N1	Mango	Sh. Nagjibhai Chanabhai Boghra
1334	REG/2017/2083	Farmer	DESHI MOONG (PRAKASH MOONG)	Green gram	Prakash Chandra Patel
1335	REG/2017/2085	Farmer	Radheyshyam Moong	Green gram	Radheyshyam Singh
1336	REG/2017/2086	Farmer	Laxman Urd	Black gram	Laxman
1337	REG/2017/2088	Farmer	Arak Kali Urd	Black gram	Rajnarayan Patel
1338	REG/2017/2089	Farmer	Shivpur Urd	Black gram	Shyam Babu Kushwaha
1339	REG/2017/2094	Farmer	Shivpur Safed Til-1	Sesame	Shyam Babu Kushwaha
1340	REG/2017/2097	Farmer	Puraini Til	Sesame	Sajan
1341	REG/2017/2098	Farmer	Asharfi Til	Sesame	Asharfi Lal Patel
1342	REG/2017/2099	Farmer	Amrawati Til	Sesame	Amravati Devi
1343	REG/2017/2100	Farmer	Chitrasen Haldi	Turmeric	Chitrasen Kushwaha
1344	REG/2017/2127	Farmer	CSAB-77	Coriander	Susheela Devi Patel
1345	REG/2017/2131	Farmer	CLCM-81	Coriander	Lalji Prasad Verma
1346	REG/2017/2136	Farmer	AJEET BHINDI	Okra/Lady's Finger	Ajeet Kumar Verma
1347	REG/2017/2167	Farmer	BHINDI RAMASHANKAR	Okra/Lady's Finger	Rama Shankar
1348	REG/2017/2177	Farmer	KHABARPUR ARHAR	Pigeon pea	Ram Lochan
1349	REG/2017/2213	Farmer	916-TURMERIC	Turmeric	Mr. A. Balakrishnan
1350	REG/2017/2216	Farmer	Bhagvatpur Tili	Sesame	Rambhadur Bhagat
1351	REG/2017/2224	Farmer	SAKHRA	Black gram	Rahul Pratap
1352	REG/2017/2229	Farmer	SWAMI BHINDI	Okra/Lady's Finger	Hetram Devangan
1353	REG/2017/2234	Farmer	SHITLA LAUKA-2	Bottle Gourd	Hetram Devangan
1354	REG/2017/2236	Farmer	Shitla Pattigobhi	Cabbage	Hetram Devangan
1355	REG/2017/2266 H	New	P3302	Maize	Pioneer Overseas Corporation
1356	REG/2017/2268	New	PH2RBC	Maize	Pioneer Overseas Corporation
1357	REG/2017/2278	Farmer	Pipri	Fenugreek	Shravan Kumar Kushwaha
1358	REG/2017/2303	Farmer	KAYADHU-N-49	Durum Wheat	Narayan Jagdevrao Shinde
1359	REG/2017/2304	Farmer	THOTTANAL JATHI	Nutmeg	Pushkaran T.M.
1360	REG/2017/2332	Farmer	RASMO	Mango	Rambhau Sakharam Mohite
1361	REG/2017/2366	Extant (VCK)	V111143 (VENUS PLUS)	Okra/Lady's Finger	Advanta Enterprises Limited
1362	REG/2017/2368	Extant (VCK)	P3592	Maize	Pioneer Overseas Corporation
1363	REG/2017/2369 H	New	P3376	Maize	Pioneer Overseas Corporation

1364	REG/2017/2385	Extant (VCK)	KMH-5010	Maize	Kaveri Seed Company Ltd
1365	REG/2017/2400	Farmer	KESHWA PIHU	Rice	Mohan Lal Chandrakar
1366	REG/2017/2401	Farmer	Thadathil Gold	Small cardamom	Mathew C.M.
1367	REG/2017/2402	Farmer	VEL VANGA	Brinjal	Hira Yashwant Ughada
1368	REG/2017/2406	Farmer	SWARAGAURI	Rice	Narendra Janardan Gandhre
1369	REG/2017/2407	Farmer	MHADI	Rice	Ravindra Damodar Palande
1370	REG/2018/39	New	PP107	Pearl Millet	M/s Crystal Crop Protection Limited
1371	REG/2018/40	New	PSP92	Pearl Millet	M/s Crystal Crop Protection Limited
1372	REG/2018/55	Farmer	Maruwa Majhla	Finger Millet	Nimmy Baxla
1373	REG/2018/70	New	SS 511	Rice	UACI Seeds and Biotech Pvt. Ltd.
1374	REG/2018/75	Farmer	KANI DHANA	Rice	Netrananda Lenka
1375	REG/2018/76	Farmer	MATI DHANA	Rice	Netrananda Lenka
1376	REG/2018/77	Farmer	GODA KHUNTA	Rice	Netrananda Lenka
1377	REG/2018/78	Farmer	KATHI DHANA	Rice	Netrananda Lenka
1378	REG/2018/108	Extant (Notified)	UTKARSHA (KM-11-584)	Green gram	Maharashtra State Seeds Corporation Ltd.
1379	REG/2018/110	New	MU-44	Black gram	Maharashtra State Seeds Corporation Ltd.
1380	REG/2018/124	Farmer	SHOLA PATNAI-RS	Rice	Sahadeb Pal
1381	REG/2018/125	Farmer	JHINGESAL-RS	Rice	Ashok Kumar Mallick
1382	REG/2018/126	Farmer	SITASAL-RS	Rice	Satya Prasad Bhowmick
1383	REG/2018/127	Farmer	PATISAL-RS	Rice	Parikshit Adak
1384	REG/2018/128	Farmer	DUDHESWAR-RS	Rice	Tarak Prasad Bhowmick
1385	REG/2018/129	Farmer	AUSH PAKKAL-RS	Rice	Anath Bandhu Bag
1386	REG/2018/130	Farmer	AGUNBAN-J	Rice	Mohan Pal
1387	REG/2018/163 H	New	Navya (V130082)	Okra/Lady's Finger	Advanta Enterprises Limited
1388	REG/2018/166	Extant (VCK)	TMMH 2838	Maize	TriMurti Plant Sciences Private Limited
1389	REG/2018/242	Farmer	Kba Pnah Thohrew	Rice	Albina Narpan
1390	REG/2018/246	Farmer	Kba Pnah Latora	Rice	Histina Makri
1391	REG/2018/248	Farmer	Kba Mynri	Rice	Albina Marpan
1392	REG/2018/264	Extant (VCK)	DKC9162	Maize	Bayer CropScience Ltd.
1393	REG/2018/276	Farmer	MAHENDRA MASURI	Lentil	Mahendra Mehta
1394	REG/2018/346	Farmer	LMJB-233	Lentil	Mithlesh Kumar
1395	REG/2018/397	Farmer	FLCM-288	Fenugreek	Lalji Prasad Verma
1396	REG/2018/416	Farmer	PSAK-307	Fieldpea	Santlal Kushwaha

1397	REG/2018/417	Farmer	PARA-308	Fieldpea	Ashutosh Patel
1398	REG/2018/434	Farmer	BGDBA-326	Black gram	Dharam Singh
1399	REG/2018/440	Farmer	GYBA-335	Green gram	Yamuna Prasad Patel
1400	REG/2018/441	Farmer	BGRBA-336	Black gram	Rakesh Kumar Patel
1401	REG/2018/443	Farmer	GHBA-338	Green gram	Haribhan Patel
1402	REG/2018/450	Farmer	BGDBA-346	Black gram	Dharam Narain Pandey
1403	REG/2018/461	Farmer	PSRA-358	Fieldpea	Shivnath Patel
1404	REG/2018/463	Farmer	GSRA-360	Green gram	Sitaram
1405	REG/2018/465	Farmer	GGKRB-362	Green gram	Kallu Bhartiya
1406	REG/2018/470	Farmer	PRRA-370	Fieldpea	Rajendra Pratap Singh Patel
1407	REG/2018/475	Farmer	BGPRA-375	Black gram	Paras Nath Patel
1408	REG/2018/477	Farmer	PAKA-382	Fieldpea	Amrit Lal Sahu
1409	REG/2018/488	Farmer	BGRKA-399	Black gram	Reenu
1410	REG/2018/529	Extant (VCK)	SV7298CQ	Cucumber	Monsanto Holdings Pvt Ltd
1411	REG/2018/540	Farmer	Banjar Maruwa	Finger Millet	Bandhna Oraon
1412	REG/2018/541	Farmer	BARCHAR MASRI	Lentil	Vijay Oraon
1413	REG/2018/543	Farmer	URRAHAR	Pigeon pea	Vijay Oraon
1414	REG/2018/583	Farmer	Banjar Badam	Groundnut	Bandhna Oraon
1415	REG/2018/588	Extant (VCK)	DS2288	Maize	Agrigenetics Inc.
1416	REG/2018/591	Extant (VCK)	MM9168	Maize	Rallis India Limited
1417	REG/2018/592	New	MM9488	Maize	Rallis India Limited
1418	REG/2018/593	Extant (VCK)	Vega (MC5456 BGII)	Tetraploid Cotton	Rallis India Limited
1419	REG/2018/594	Extant (VCK)	Mahabali (MC5423 BGII)	Tetraploid Cotton	Rallis India Limited
1420	REG/2018/596	Extant (VCK)	P1899	Maize	Pioneer Overseas Corporation
1421	REG/2018/616	New	ANMOL	Indian mustard (Sarso)	Rasi Seeds Pvt Ltd
1422	REG/2018/622	New	P3378	Maize	Pioneer Overseas Corporation
1423	REG/2018/630	Extant (VCK)	DKC8161	Maize	Bayer CropScience Ltd.
1424	REG/2018/631	Extant (VCK)	DKC9150	Maize	Bayer CropScience Ltd.
1425	REG/2018/632	Extant (VCK)	DKC9149	Maize	Bayer CropScience Ltd.
1426	REG/2018/670	Extant (VCK)	DKC9178	Maize	Monsanto India Limited
1427	REG/2018/671	Extant (VCK)	DKC9165	Maize	Bayer CropScience Ltd.
1428	REG/2018/672	New	DKC8171	Maize	Bayer CropScience Ltd.
1429	REG/2018/673	Farmer	NATH JAMBO SEEDLESS	Grapes	Vithal Nivrutti Thorat
1430	REG/2018/681	Farmer	BRIJ DHANI-C2	Coriander	Tarani Mandal
1431	REG/2018/683	Farmer	DHANI-BHL	Coriander	Pawan Kumar Singh

1432	REG/2018/684	Farmer	BLACK RI-01	Indian mustard (Sarso)	Tarani Mandal
1433	REG/2018/707	Extant (VCK)	NFS-611	Watermelon	Nuziveedu Seeds Ltd
1434	REG/2019/7	Extant (VCK)	NCU-1289	Cucumber	Nuziveedu Seeds Ltd
1435	REG/2019/19 H	Extant (VCK)	Rassam 054 F1	Tomato	East West Seeds India Pvt. Ltd.
1436	REG/2019/21	Extant (VCK)	JK RATAN	Tomato	JK Agri Genetics Ltd
1437	REG/2019/27 H	New	JK VICTOR	Tomato	JK Agri Genetics Ltd
1438	REG/2019/30	Extant (VCK)	JK KANNAN	Tomato	JK Agri Genetics Ltd
1439	REG/2019/45 H	Extant (VCK)	KPH-468	Rice	Kaveri Seed Company Ltd
1440	REG/2019/48	Extant (VCK)	KPH-484	Rice	Kaveri Seed Company Ltd
1441	REG/2019/58	New	NCS 123 BGII	Tetraploid Cotton	Nuziveedu Seeds Ltd
1442	REG/2019/67	New	SUPER 6768	Maize	Super Seeds Pvt. Ltd.
1443	REG/2019/68	New	SUPER 777	Maize	Super Seeds Pvt. Ltd.
1444	REG/2019/69 H	Extant (VCK)	Super 971 BGII	Tetraploid Cotton	Super Seeds Pvt. Ltd.
1445	REG/2019/70 H	Extant (VCK)	SUPER 931BGII	Tetraploid Cotton	Super Seeds Pvt. Ltd.
1446	REG/2019/71	Extant (VCK)	Western-66 (Western Vardan)	Groundnut	Western Agri Seeds Ltd
1447	REG/2019/78	New	Co 09004 (Amritha)	Sugarcane	Indian Council of Agricultural Research
1448	REG/2019/83 H	Extant (VCK)	25D55 BGII	Tetraploid Cotton	Dhanlaxmi Crop Science Private Limited
1449	REG/2019/87	New	TH-SYB21514	Maize	Limagrain (Thailand) Co. Ltd.
1450	REG/2019/99	New	LALIT	Guava	Indian Council of Agricultural Research
1451	REG/2019/100	New	SHWETA	Guava	Indian Council of Agricultural Research
1452	REG/2019/118	New	DPH21	Indian mustard (Sarso)	Dayal Seeds Pvt. Ltd.
1453	REG/2019/123	Farmer	KUDHIRAIVAL CHINGAN	Banana	Mr. S. Meenakshi Sundaram
1454	REG/2019/125	Farmer	THOTTU CHINGAN	Banana	Mr. S. Meenakshi Sundaram
1455	REG/2019/136	New	Co 12029 (Karan 13)	Sugarcane	Indian Council of Agricultural Research
1456	REG/2019/144	New	Co 10026 (UPAHAR)	Sugarcane	Indian Council of Agricultural Research
1457	REG/2019/178 H	New	TMRH 5786	Rice	TriMurti Plant Sciences Private Limited
1458	REG/2019/181	New	CoLk 11203 (Ikshu-5)	Sugarcane	Indian Council of Agricultural Research
1459	REG/2019/182	New	CoLk 11206 (Ikshu-4)	Sugarcane	Indian Council of Agricultural Research
1460	REG/2020/28	Farmer	TALAW MAKKI	Maize	Talaw Krishak Samooh (TKS)
1461	REG/2020/31 H	Extant (VCK)	P3344	Maize	Pioneer Overseas

					Corporation
1462	REG/2020/32 H	Extant (VCK)	P3526	Maize	Pioneer Overseas Corporation
1463	REG/2020/34 H	Extant (VCK)	X35M019	Maize	Pioneer Overseas Corporation
1464	REG/2020/36 H	Extant (VCK)	TMMH 8842	Maize	TriMurti Plant Sciences Private Limited
1465	REG/2020/44	Extant (VCK)	Blagratwo	Grapes	SHEEHAN GENETICS LLC
1466	REG/2020/46	Extant (VCK)	SHEEGENE 2	Grapes	SHEEHAN GENETICS LLC
1467	REG/2020/48	Extant (VCK)	SHEEGENE 13	Grapes	SHEEHAN GENETICS LLC
1468	REG/2020/54	New	H-130	Cashew	Indian Council of Agricultural Research
1469	REG/2020/55 H	New	SUPER 6030	Maize	Super Seeds Pvt. Ltd.
1470	REG/2020/56 H	New	SUPER 1177	Maize	Super Seeds Pvt. Ltd.
1471	REG/2020/62 H	New	LG 36515	Maize	LIMAGRAIN INDIA PVT LTD
1472	REG/2020/63 H	New	LG36511	Maize	LIMAGRAIN INDIA PVT LTD
1473	REG/2020/84 H	New	KMH8322	Maize	Kaveri Seed Company Ltd
1474	REG/2020/85 H	New	KMH8333	Maize	Kaveri Seed Company Ltd
1475	REG/2020/96 H	New	TMMH 824	Maize	TriMurti Plant Sciences Private Limited
1476	REG/2020/121 H	New	TMRH 5559	Rice	TriMurti Plant Sciences Private Limited
1477	REG/2020/122 H	Extant (VCK)	KRH7299	Rice	Kaveri Seed Company Ltd
1478	REG/2020/135 H	Extant (VCK)	P3504	Maize	Pioneer Overseas Corporation
1479	REG/2020/154 H	Extant (Notified)	MAH-14-5	Maize	University of Agricultural Sciences
1480	REG/2020/166 H	New	BIOSEED 9788	Maize	DCM Shriram Limited
1481	REG/2020/190	Farmer	AA	Sorghum	Shri Himmatbhai Virjibhai Lakkad
1482	REG/2020/194	New	Co 11015 (Atulya)	Sugarcane	Indian Council of Agricultural Research
1483	REG/2020/202	Farmer	PATIR AMPE	Rice	TAKAR PURUSH SELF HELP GROUP (Group of Farmers)
1484	REG/2020/259	Farmer	TANU	Rice	Krishi Prayoga Pariwara
1485	REG/2020/294	Farmer	KALAVE	Rice	Krishi Prayoga Pariwara
1486	REG/2020/301	Farmer	KRISHNLEELA	Rice	Krishi Prayoga Pariwara
1487	REG/2020/308	Farmer	MALLIGE	Rice	Krishi Prayoga Pariwara
1488	REG/2020/309 H	Extant (VCK)	BIOSEED 9546	Maize	DCM Shriram Limited

1489	REG/2020/314	Farmer	KERALA BENDI	Okra/Lady's Finger	Krishna Kalal
1490	REG/2020/323	New	CARIBOU RUSSET	Potato	UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES
1491	REG/2020/330 H	Extant (Notified)	GRH-2 (NVSR-H-1011)	Rice	Navsari Agricultural University
1492	REG/2020/364	Farmer	KESHAV RAJ	Mango	Chayabai Dattatray More
1493	REG/2020/389	New	DBWH 221 (DBW 221)	Wheat	Indian Council of Agricultural Research
1494	REG/2021/0009	New	JRCJ-11	Jute	Indian Council of Agricultural Research
1495	REG/2021/0010	New	JROB-2	Jute	Indian Council of Agricultural Research
1496	REG/2021/0022	Farmer	BANNADA SOUTHE	Cucumber	MALLIKARJUNA
1497	REG/2021/0024	Farmer	AVR LOCAL	Cucumber	Krishna Kalal
1498	REG/2021/0033	Farmer	KRH BENDI	Okra/Lady's Finger	T. Vedamurthy
1499	REG/2021/0038	New	SHRIRAM SUPER 1-SR-14	Wheat	DCM Shriram Limited
1500	REG/2021/0039	New	Shriram Super 5-SR-05	Wheat	DCM Shriram Limited
1501	REG/2021/0053 H	Extant (VCK)	TMMH 2841	Maize	TriMurti Plant Sciences Private Limited
1502	REG/2021/0056	Farmer	JAMMU BHADERWAH RAJMA (JBR-01)	Kidney bean	Jaswant Singh
1503	REG/2021/0057	Farmer	HPBRR-1	Kidney bean	Ranjana Kumari, Surinder Kumar, Rool Lal & Lal Chand
1504	REG/2021/0058	Farmer	HPBYR-2	Kidney bean	Ranjana Kumari, Surinder Kumar, Rool Lal & Lal Chand
1505	REG/2021/0061	Farmer	PALIKA SAREO (KAMROO)	Seabuckthorn	Narender Bhandari
1506	REG/2021/0062	Farmer	SHINGA	Seabuckthorn	Basant Kumari
1507	REG/2021/0078	Farmer	DORJAY	Seabuckthorn	Padam Sukh Negi
1508	REG/2021/0080	Extant (Notified)	Phule JLA-0603 (JLA-0603)	Diploid Cotton	Mahatma Phule Krishi Vidyapeeth
1509	REG/2021/0082	Extant (Notified)	Phule JLA-0906 (JLA-0906)	Diploid Cotton	Mahatma Phule Krishi Vidyapeeth
1510	REG/2021/0083	Extant (Notified)	CG JAWAPHOOL TROMBAY (RTR-31)	Rice	Indira Gandhi Krishi Vishwavidyalaya
1511	REG/2021/0084	Extant (Notified)	VIKRAM TCR (Vikram-Trombay Chhattisgarh Rice)	Rice	Indira Gandhi Krishi Vishwavidyalaya
1512	REG/2021/0103 H	Extant (VCK)	MM 2122	Maize	Mahindra Agri solutions Ltd
1513	REG/2021/0104 H	Extant (VCK)	LG36611	Maize	LIMAGRAIN INDIA PVT LTD
1514	REG/2021/0105 H	New	LG36505	Maize	LIMAGRAIN INDIA PVT LTD

1515	REG/2021/0123 H	New	KRH7623	Rice	Kaveri Seed Company Ltd
1516	REG/2021/0124 H	New	KRH7425	Rice	Kaveri Seed Company Ltd
1517	REG/2021/0128	Farmer	DOODER-I	Willow	Shard Attri
1518	REG/2021/0136	Farmer	HPCM-1 (Chamba mash)	Black gram	Surjeet Kumar, Man Singh, Kesho Ram
1519	REG/2021/0140	Farmer	KACHAHALLI TABLE TYPE 12	Jackfruit	H. Prakash
1520	REG/2021/0141	Farmer	KACHAHALLI TABLE TYPE 9	Jackfruit	Venkata Lakshmamma
1521	REG/2021/0148 H	Extant (VCK)	LG36601	Maize	LIMAGRAIN INDIA PVT LTD
1522	REG/2021/0149 H	Extant (VCK)	215IM16350	Maize	LIMAGRAIN INDIA PVT LTD
1523	REG/2021/0161 H	New	MM 2424	Maize	Mahindra Agri solutions Ltd
1524	REG/2021/0166	New	EAGLE-1204	Wheat	Eagle Seeds & Biotech Ltd
1525	REG/2021/0235	Farmer	TASHI	Seabuckthorn	Devi Singh
1526	REG/2022/0012 H	Extant (Notified)	AH7043	Maize	Indian Agricultural Research Institute
1527	REG/2022/0019	Extant (Notified)	DRR Dhan 49 (IET 24557)	Rice	Indian Council of Agricultural Research
1528	REG/2022/0022	Extant (Notified)	DRR Dhan 56 (IET 26803)	Rice	Indian Council of Agricultural Research
1529	REG/2022/0036	Extant (Notified)	DRR Dhan 47 (IET 23356)	Rice	Indian Council of Agricultural Research
1530	REG/2022/0038	Farmer	KDM1	Black gram	Kali Devi
1531	REG/2022/0041	Farmer	PTM9	Black gram	Prem Lal Thakur
1532	REG/2022/0042	Farmer	KSM12	Black gram	Kuldeep Singh
1533	REG/2022/0043	Farmer	RDM11	Black gram	Reena Devi
1534	REG/2022/0047 H	New	TMMH 2852	Maize	TriMurti Plant Sciences Private Limited
1535	REG/2022/0049	Farmer	LAKANG BALIEH	Rice	Iaishah Rymbai
1536	REG/2022/0050	Farmer	LAKANG BASO	Rice	Iaishah Rymbai
1537	REG/2022/0051	Farmer	JWAIN	Rice	Iaishah Rymbai
1538	REG/2022/0052 H	Extant (Notified)	NMH 4144	Maize	Nuziveedu Seeds Ltd
1539	REG/2022/0074 H	New	KMH8388	Maize	Kaveri Seed Company Ltd
1540	REG/2022/0082	New	MACS-516 (H 516/ARI 516)	Grapes	MACS Agharkar Research Institute
1541	REG/2022/0090	Farmer	Porari	Rice	Sh. Zhoduyi, Muramu, Khoto, Vemutha
1542	REG/2022/0091	Farmer	Muchihalu	Rice	Sh. Shekhocuyi, Thunosolu, Zashehuhu, Shezopralu
1543	REG/2022/0092	Farmer	MUDOTSURI	Rice	Sh. Sulhupo, Veduculu, Thunohulu

1544	REG/2022/0093	Farmer	Matikhu	Rice	Sh. Shevetolu, Cusazolu, Veculu, Ciekroveyi
1545	REG/2022/0094	Farmer	Nejulu	Rice	Sh. Kukuhulu, Nuvekholu, Tsuno, Vemuralu
1546	REG/2022/0095	Farmer	Vepratso Ri	Rice	Sh. Kuvevolu, Abino, Vezhoshelu, Suhlupo
1547	REG/2022/0096	Farmer	Khrumube	Rice	Sh. Kewengu, Zolhi Venuh, Awele
1548	REG/2022/0097	Farmer	Visapu Rube	Rice	Sh. Kewengu, Khwetsolou, Awele, Huzumo
1549	REG/2022/0099	Farmer	Pelhi-u Rube	Rice	Sh. Kewengu, Awele, Zolhi Venuh, Khwetsolo, Huzumo
1550	REG/2022/0100	Farmer	Tangu	Rice	Sh. Kewengu, Khwetsolo, Zolhi Venuh, Awele
1551	REG/2022/0101	Farmer	Neingutsu Rube	Rice	Sh. Kewengu, Khwetsolo, Awele
1552	REG/2022/0102	Farmer	Neqha Kumukao	Rice	Sh. Theyeculu, Vecuhulu, Venekholu
1553	REG/2022/0103	Farmer	Node	Rice	Sh. Theyeculu, Vecuhulu, Venekholu
1554	REG/2022/0104	Farmer	Nerie	Rice	Sh. Venekholu Lohe, Mhasheyi, Dzutholu
1555	REG/2022/0105	Farmer	Nerie Kucho-o	Rice	Sh. Mhasheyi, Venekholu, Vejilu, Dzutholu
1556	REG/2022/0106	Farmer	Hususa Ha	Rice	Sh. Mhasheyi, Dzutholu, Venekholu
1557	REG/2022/0107	Farmer	Teivelu Ha	Rice	Sh. Vejilu, Mhasheyi, Venekholu, Zholu
1558	REG/2022/0113	Farmer	SAKRABAHA	Rice	Sh. Zavekho, Vemuralu & Veposwulu
1559	REG/2022/0116	Farmer	PAPROLA KHEERA	Cucumber	Garib Das
1560	REG/2022/0136	Farmer	GS1999	Coriander	Gopal Datt Upreti
1561	REG/2022/0142	Farmer	NEY KADALI	Banana	Marutham Uzhavar Mandram
1562	REG/2022/0150	Extant (VCK)	VENGURLE-9 (H-303)	Cashew	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth
1563	REG/2022/0187	Farmer	MDBP 16	Black Pepper	Dr. Rajaram Tripathi
1564	REG/2023/0003	Farmer	NOVA NUTMEG	Nutmeg	Saji Mathew
1565	REG/2023/0006	Farmer	VJ-1	Black Pepper	Mr. Jomy Mathew
1566	REG/2023/0007	Farmer	VJ-2	Black Pepper	Mr. Jomy Mathew
1567	REG/2023/0008	Farmer	VJ-3	Black Pepper	Mr. Jomy Mathew
1568	REG/2023/0009	Farmer	VJ-4	Black Pepper	Mr. Jomy Mathew
1569	REG/2023/0029	Farmer	SK-4	Turmeric	Sachin Kamalakar Karekar
1570	REG/2023/0084	Extant (VCK)	POORNIMA (H1593)	Cashew	Kerala Agricultural University

1571	REG/2023/0089	Extant (Notified)	Karan Vrinda (DBW 371)	Wheat	Indian Council of Agricultural Research
1572	REG/2023/0090	Extant (Notified)	Karan Prema (DBW 316)	Wheat	Indian Council of Agricultural Research
1573	REG/2023/0091	Extant (Notified)	Karan Varuna (DBW 372)	Wheat	Indian Council of Agricultural Research
1574	REG/2023/0092	Extant (Notified)	Karan Vaidehi (DBW 370)	Wheat	Indian Council of Agricultural Research
1575	REG/2023/0093	Extant (Notified)	DDW55 (d) (Karan Manjari)	Durum Wheat	Indian Council of Agricultural Research
1576	REG/2023/0109	Farmer	CHAVANIYANKAL POOVAN	Banana	Vinod Abraham
1577	REG/2023/0124	Farmer	ROUND THE YEAR JAMUN	Jamun	N. Kumar
1578	REG/2023/0138	Extant (Notified)	Sankalp (Co 12009)	Sugarcane	Indian Council of Agricultural Research
1579	REG/2023/0141	Extant (Notified)	Gujarat Groundnut 34 (GG 34) (AG2012-06)	Groundnut	Anand Agricultural University
1580	REG/2023/0153	Extant (Notified)	Pravir (MC5403 BGII)	Tetraploid Cotton	Rallis India Limited
1581	REG/2023/0162	Farmer	TKK-1	Jackfruit	Karunakaran, K.
1582	REG/2023/0163	Farmer	TSR-1 (Aayiramkachi)	Jackfruit	S. Ramasamy
1583	REG/2023/0164	Farmer	JARVI RED : 1	Guava	Heenaben Jayeshbhai Patel
1584	REG/2023/0167	Extant (Notified)	ICAR-CICR 16301 DB (Vaidehi-1)	Tetraploid Cotton	Indian Council of Agricultural Research
1585	REG/2023/0169	Extant (Notified)	Co 15023 (Karan-15)	Sugarcane	Indian Council of Agricultural Research
1586	REG/2023/0170	Extant (Notified)	GNR-9 (Lalkada Gold)	Rice	Navsari Agricultural University
1587	REG/2024/0003	Extant (Notified)	PHULE ANUPAM (NIAW 3624)	Wheat	Mahatma Phule Krishi Vidyapeeth
1588	REG/2024/0009	Extant (Notified)	VSCH-369 BG II	Tetraploid Cotton	Veda Seed Sciences Pvt. Ltd.
1589	REG/2024/0010	Extant (Notified)	VSCH-234 BG II	Tetraploid Cotton	Veda Seed Sciences Pvt. Ltd.
1590	REG/2024/0011	Extant (Notified)	MC5408 BGII	Tetraploid Cotton	Rallis India Limited
1591	REG/2024/0012	Extant (Notified)	MACS SAKAS (MACS 6768)	Wheat	Agharkar Research Institute
1592	REG/2024/0032	Extant (Notified)	PHULE KAVERI (PHULE TUR-11-4)	Pigeon pea	Mahatma Phule Krishi Vidyapeeth
1593	REG/2024/0033	Extant (Notified)	PHULE TRUPTI (PHULE TUR-10-1)	Pigeon pea	Mahatma Phule Krishi Vidyapeeth
1594	REG/2024/0044	Extant (Notified)	PHULE VISHWARAJ (Phule G-15109)	Chickpea	Mahatma Phule Krishi Vidyapeeth
1595	REG/2024/0053	Extant (Notified)	RCH 947 BGII	Tetraploid Cotton	Rasi Seeds (P) Ltd
1596	REG/2024/0056	Extant (Notified)	RCH 971 BGII	Tetraploid Cotton	Rasi Seeds (P) Ltd
1597	REG/2024/0068	Extant (Notified)	GUJARAT ROUND BRINJAL 8 (GRB 8: ANAND RAJ)	Brinjal	Anand Agricultural University

1598	REG/2024/0069	Extant (Notified)	Gujarat Anand Brinjal 6 (GAB 6: Anand Doli)	Brinjal	Anand Agricultural University
1599	REG/2024/0070	Extant (Notified)	GUJARAT VEGETABLE GUAR 11 (GVG 11: ANAND BAHAR)	Cluster Bean	Anand Agricultural University
1600	REG/2024/0071	Extant (Notified)	GUJARAT ANAND TOMATO 8 (GAT 8: Anand Roma)	Tomato	Anand Agricultural University
1601	REG/2024/0072	Extant (Notified)	PBNS-184	Safflower	Vasantrao Naik Marathwada Krishi Vidyapeeth
1602	REG/2024/0073	Extant (Notified)	Parbhani Suvarna (PBNS-154)	Safflower	Vasantrao Naik Marathwada Krishi Vidyapeeth
1603	REG/2024/0077	Farmer	Agrahara Jack	Jackfruit	Nagaraju N.
1604	REG/2024/0084	Extant (Notified)	Phule Ekata (RHB-1008)	Tetraploid Cotton	Mahatma Phule Krishi Vidyapeeth
1605	REG/2024/0085	Extant (Notified)	ZINCO RICE-MS (IET 25477) (R-RHZ-L1-23)	Rice	Indira Gandhi Krishi Vishwavidyalaya
1606	REG/2024/0086	Extant (Notified)	PROTEZIN (IET 25470) (R-RHZ-R-56)	Rice	Indira Gandhi Krishi Vishwavidyalaya
1607	REG/2024/0090	Extant (Notified)	GUJARAT ANAND VEGETABLE CHILLI 141 (GAVC141: ANAND TEJ)	Chilli	Anand Agricultural University
1608	REG/2024/0091	Extant (Notified)	Gujarat Anand Okra 8 (GAO 8: Anand Komal)	Okra/Lady's Finger	Anand Agricultural University
1609	REG/2024/0095	Extant (Notified)	Pusa Biofortified Maize Hybrid-1	Maize	Indian Agricultural Research Institute
1610	REG/2024/0096	Extant (Notified)	Pusa HQPM-1 Improved	Maize	Indian Agricultural Research Institute
1611	REG/2024/0097	Extant (Notified)	Pusa HM4 Male Sterile Baby Corn (Shishu)	Maize	Indian Agricultural Research Institute
1612	REG/2024/0104	Extant (Notified)	CSV 46F (Tapi Chari)	Sorghum	Navsari Agricultural University
1613	REG/2024/0105	Extant (Notified)	PHULE SONALI (PCP 1123)	Cowpea	Mahatma Phule Krishi Vidyapeeth
1614	REG/2024/0124	Extant (Notified)	GUJARAT JOWAR-44 (MADHU)	Sorghum	Navsari Agricultural University
1615	REG/2024/0125	Farmer	Vishal Bael	Bael	Sh. Krishna Kant Biswas
1616	REG/2024/0153	Extant (Notified)	Phule-Shubhra (RHB-1623)	Tetraploid Cotton	Mahatma Phule Krishi Vidyapeeth
1617	REG/2024/0172	Extant (Notified)	Thar Karni (AHRG-29)	Ridge gourd	ICAR-Central Institute for Arid Horticulture (CIAH)
1618	REG/2024/0178	Extant (Notified)	Pusa Mustard 34 (LES 60)	Indian mustard (Sarso)	Indian Agricultural Research Institute
1619	REG/2024/0179	Extant (Notified)	RSFH 700	Sunflower	University of Agricultural Sciences

1620	REG/2024/0180	Extant (Notified)	RSFH 1887	Sunflower	University of Agricultural Sciences
1621	REG/2024/0181	Extant (Notified)	Pusa Mustard 32 (LES 54)	Indian mustard (Sarso)	Indian Agricultural Research Institute
1622	REG/2024/0182	Extant (Notified)	Pusa Double Zero Mustard 33 (PDZ-11)	Indian mustard (Sarso)	Indian Agricultural Research Institute
1623	REG/2024/0240	Extant (Notified)	KCH 9323 BGII	Tetraploid Cotton	Kaveri Seed Company Ltd
1624	REG/2024/0241	Extant (Notified)	KCH 307 BGII	Tetraploid Cotton	Kaveri Seed Company Ltd
1625	REG/2024/0244	Extant (Notified)	KMH8577 (KMH018)	Maize	Kaveri Seed Company Ltd
1626	REG/2024/0245	Extant (Notified)	KMH8121	Maize	Kaveri Seed Company Ltd
1627	REG/2024/0249	Extant (Notified)	NHH 715	Tetraploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1628	REG/2024/0250	Extant (Notified)	Central Cotton NHH 250 (NHH 250)	Tetraploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1629	REG/2024/0272	Farmer	ALFANSO BOMBAY	Mango	Md. Khabiruddin Seikh, Moinuddin Seikh, Najimuddin Sarkar
1630	REG/2024/0273	Farmer	Raja Bhog	Mango	Biman Mandal
1631	REG/2024/0274	Farmer	BHOBANI	Mango	Md. Khabiruddin Seikh and Others
1632	REG/2024/0275	Farmer	KALA PAHAR	Mango	Bikram Kr. Mandal, Parimal Mandal
1633	REG/2024/0276	Farmer	Boishaki	Mango	Kartik Chandra Das, Dilip Kumar Mandal
1634	REG/2024/0277	Farmer	Batasa	Mango	Kartik Chandra Das and Others
1635	REG/2024/0278	Farmer	DHUMMA GUTHI	Mango	Dharma Mandal, Sohodev Mandal, Kalipada Mandal, Lalit Mohan Mandal
1636	REG/2024/0279	Farmer	BRINDABANI ASWINA	Mango	Uttam Mandal and Others
1637	REG/2024/0282	Farmer	Kalapati	Mango	Meher Ali
1638	REG/2024/0283	Farmer	Godadhar	Mango	Meher Ali
1639	REG/2024/0284	Extant (Notified)	PA 812	Diploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1640	REG/2024/0285	Extant (Notified)	PA 837	Diploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1641	REG/2024/0286	Extant (Notified)	PA-740	Diploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1642	REG/2024/0287	Extant (Notified)	PA 810	Diploid Cotton	Vasantrao Naik Marathwada Krishi Vidyapeeth
1643	REG/2024/0290	Farmer	Seradar	Mango	Matiur Rahaman

1644	REG/2024/0292	Farmer	Gopal Bhog	Mango	Biman Mandal and Others
1645	REG/2024/0293	Farmer	Mirja Pasin	Mango	Jainuddin Sk
1646	REG/2024/0294	Farmer	Lohajam	Mango	Ali Hossain Seikh
1647	REG/2024/0295	Farmer	LAKHMI BHOG	Mango	Bisman Mandal and Others
1648	REG/2024/0296	Farmer	Sarada Bhog	Mango	Biman Mandal
1649	REG/2024/0297	Farmer	Sherikhas	Mango	Biman Mandal
1650	REG/2024/0299	Farmer	HILSA PETI	Mango	Atul Chandra Mandal, Ghuran Choudhury, Lalit Mohan Mandal
1651	REG/2024/0301	Farmer	GANGA PRASADI	Mango	Nanigopal Mandal, Choitanyapodo Das
1652	REG/2024/0302	Farmer	MITHUA	Mango	Bikram Kr. Mandal, Ghuran Choudhury, Atul Chandra Mandal
1653	REG/2024/0303	Farmer	Do-fola	Mango	Rajib Adhikary, Ajimuddin Sarkar
1654	REG/2024/0304	Farmer	SORANGA	Mango	Nuzrul Islam, Md. Khabiruddin Seikh, Moinuddin Seikh, Pradip Sarkar, Abdul Hayat Akter, Hafijur Rahaman
1655	REG/2024/0305	Farmer	ROSOGOLLA	Mango	Kalipada Mandal, Atul Chandra Mandal
1656	REG/2024/0306	Farmer	Bou Bhulani	Mango	Biman Mandal, Uttam Kumar Das
1657	REG/2024/0307	Farmer	SINDURE	Mango	Ekbal Seikh, Amir Rasid, Rathindranath Mandal, Md. Jarjis Hossain, Lutful Seikh
1658	REG/2024/0309	Farmer	Rakhal Bhog	Mango	Abhiram Mandal and Others
1659	REG/2024/0310	Farmer	Motichur	Mango	Rajib Adhikary, Toajib Sk
1660	REG/2024/0312	Farmer	RANI BHOG	Mango	Masadul Seikh, Ajimuddin Sarkar
1661	REG/2024/0321	Farmer	Dil Pasin	Mango	Moinuddin Seikh, Toajib Sk
1662	REG/2024/0322	Farmer	Daudi	Mango	Md. Khabiruddin Seikh
1663	REG/2024/0323	Farmer	Altapeti	Mango	Paban Mandal, Biman Mandal, Kush Kumar Das, Apel Rajbansi and Others
1664	REG/2024/0324	Farmer	Panja	Mango	Moinuddin Seikh, Md. Khabiruddin Seikh, Ali Hossain Seikh, Rajib Adhikary
1665	REG/2024/0326	Farmer	Phuleshori	Mango	Meher Ali
1666	REG/2024/0327	Farmer	Larua	Mango	Asabul Mandal, Seikh Aqlem
1667	REG/2024/0328	Farmer	Bhadaria	Mango	Biman Mandal and Others

1668	REG/2024/0329	Farmer	Mohan Bhog	Mango	Biman Mandal and Others
1669	REG/2024/0330	Farmer	Bishnu bhog	Mango	Biman Mandal
1670	REG/2024/0331	Farmer	Durga Bhog	Mango	Biman Mandal
1671	REG/2024/0336	Farmer	Hasa Rani	Mango	Matiur Rahaman
1672	REG/2024/0337	Farmer	Mehebuba	Mango	Meher Ali
1673	REG/2024/0338	Farmer	Champa	Mango	Moinuddin Seikh and Others
1674	REG/2024/0355	Extant (Notified)	Karimnagar Makka (KNMH-4010141)	Maize	Indian Council of Agricultural Research
1675	REG/2024/0366	Extant (Notified)	SAHYADRIKEMPUM UKTHI (IET-29855)	Rice	Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences
1676	REG/2024/0374	Extant (Notified)	Pusa Biofortified Maize Hybrid-2 (APH2)	Maize	Indian Agricultural Research Institute
1677	REG/2024/0375	Extant (Notified)	Pusa Biofortified Maize Hybrid-3 (APH3)	Maize	Indian Agricultural Research Institute
1678	REG/2024/0376	Extant (Notified)	BMR-MS-1-2-1	Rice	Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences
1679	REG/2024/0377	Extant (Notified)	IMH222	Maize	Indian Council of Agricultural Research
1680	REG/2024/0378	Extant (Notified)	IMH223	Maize	Indian Council of Agricultural Research
1681	REG/2024/0381	Extant (Notified)	ACr-2 (Ajmer Coriander-2)	Coriander	Indian Council of Agricultural Research
1682	REG/2024/0382	Extant (Notified)	GRG 811 (Dharmaraj)	Pigeon pea	University of Agricultural Sciences
1683	REG/2024/0383	Extant (Notified)	SAHYADRI PANCHAMUKHI	Rice	Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences
1684	REG/2024/0386	Extant (Notified)	AFg-5 (Ajmer Feenugreek-5)	Fenugreek	Indian Council of Agricultural Research
1685	REG/2024/0387	Extant (Notified)	RCH 846 BGII	Tetraploid Cotton	Rasi Seeds (P) Ltd
1686	REG/2024/0390	Extant (Notified)	IPFD 6-3	Fieldpea	Indian Council of Agricultural Research
1687	REG/2024/0391	Extant (Notified)	IPFD 9-2	Fieldpea	Indian Council of Agricultural Research
1688	REG/2024/0392	Extant (Notified)	IPA 206	Pigeon pea	Indian Council of Agricultural Research
1689	REG/2024/0393	Extant (Notified)	Central Fieldpea IPFD 11-5	Fieldpea	Indian Council of Agricultural Research
1690	REG/2024/0394	Extant (Notified)	Central Fieldpea IPFD 2014-2	Fieldpea	Indian Council of Agricultural Research
1691	REG/2024/0395	Extant (Notified)	Kanchan (IPCK 2009-145)	Chickpea	Indian Council of Agricultural Research
1692	REG/2024/0396	Extant (Notified)	IPCK 13-163 (Madhav) Kabuli	Chickpea	Indian Council of Agricultural Research

1693	REG/2024/0397	Extant (Notified)	Kuber (IPC 2010-142) (Desi Chickpea)	Chickpea	Indian Council of Agricultural Research
1694	REG/2024/0398	Extant (Notified)	IPFD 19-3 (Arpan)	Fieldpea	Indian Council of Agricultural Research
1695	REG/2024/0399	Extant (Notified)	IPFD 19-1 (Shikhar)	Fieldpea	Indian Council of Agricultural Research
1696	REG/2024/0400	Extant (Notified)	Central Fieldpea IPFD 12-2	Fieldpea	Indian Council of Agricultural Research
1697	REG/2024/0401	Extant (Notified)	IPC 2011-112	Chickpea	Indian Council of Agricultural Research
1698	REG/2024/0402	Extant (Notified)	IPC 2006-77	Chickpea	Indian Council of Agricultural Research
1699	REG/2024/0403	Extant (Notified)	IPC 2005-62 (Desi)	Chickpea	Indian Council of Agricultural Research
1700	REG/2024/0404	Extant (Notified)	IPC 2007-28 (Atal)	Chickpea	Indian Council of Agricultural Research
1701	REG/2024/0405	Extant (Notified)	Kundan (IPCB 2015-132)	Chickpea	Indian Council of Agricultural Research
1702	REG/2024/0406	Extant (Notified)	IPF 16-13 (Harit)	Fieldpea	Indian Council of Agricultural Research
1703	REG/2024/0407	Extant (Notified)	Pusa Wheat 3369 (HD 3369)	Wheat	Indian Agricultural Research Institute
1704	REG/2024/0408	Extant (Notified)	Pusa Wheat 3386 (HD 3386)	Wheat	Indian Agricultural Research Institute
1705	REG/2024/0409	Extant (Notified)	IPFD 10-12	Fieldpea	Indian Council of Agricultural Research
1706	REG/2024/0410	Extant (Notified)	Narmada (IPU 19-10)	Black gram	Indian Council of Agricultural Research
1707	REG/2024/0411	Extant (Notified)	IPU 11-02	Black gram	Indian Council of Agricultural Research
1708	REG/2024/0412	Extant (Notified)	IPU 13-1	Black gram	Indian Council of Agricultural Research
1709	REG/2024/0413	Extant (Notified)	IPU 10-26	Black gram	Indian Council of Agricultural Research
1710	REG/2024/0414	Extant (Notified)	NICRA Pusa Wheat 3411 (HD 3411)	Wheat	Indian Agricultural Research Institute
1711	REG/2024/0415	Extant (Notified)	IPA 15-6 (Early duration)	Pigeon pea	Indian Council of Agricultural Research
1712	REG/2024/0416	Extant (Notified)	IPA 15-2	Pigeon pea	Indian Council of Agricultural Research
1713	REG/2024/0417	Extant (Notified)	DRISTI (IPU 17-2)	Black gram	Indian Council of Agricultural Research
1714	REG/2024/0418	Extant (Notified)	IPM 410-3 (Shikha)	Green gram	Indian Council of Agricultural Research
1715	REG/2024/0419	Extant (Notified)	IPU 17-1	Black gram	Indian Council of Agricultural Research
1716	REG/2024/0420	Extant (Notified)	IPL 526	Lentil	Indian Council of Agricultural Research
1717	REG/2024/0421	Extant (Notified)	IPL 220	Lentil	Indian Council of Agricultural Research
1718	REG/2024/0422	Extant (Notified)	IPL 316	Lentil	Indian Council of Agricultural Research
1719	REG/2024/0423	Extant (Notified)	IPM 205-7 (VIRAT)	Green gram	Indian Council of Agricultural Research
1720	REG/2024/0424	Extant (Notified)	IPL 534	Lentil	Indian Council of Agricultural Research

Annexure IX: Acronyms

AICRP	All India Coordinated Research Project
BAU	Birsa Agricultural University
BMC	Biodiversity Management Committee
BCIL	Biotech Consortium India Limited
CAG	Comptroller and Auditor General of India
CARI	Central Agricultural Research Institute
CBD	Convention on Biological Diversity
CMD	Chairmen-Cum-Managing Director
CSIR	Council of Scientific and Industrial Research
CHES	Central Horticultural Experiment Station
CSSRI	Central Soil Salinity Research Institute
DAC	Department of Agriculture & Co-operation
DUS	Distinctiveness, Uniformity and Stability
EVRC	Extant Variety Recommendation Committee
ETL	Economic Threshold Level
GATT	General Agreement on Tariffs and Trade
IARI	Indian Agricultural Research Institute
ICAR	Indian Council of Agricultural Research
ICFRE	Indian Council of Forest Research & Education
IINDUS	Indian Information System as per DUS guidelines
IPGRI	International Plant Genetic Resource Institute (Bioversity Internationl)
ITPGRFA	International Treaty on Plant Genetic Resource for Food and Agriculture
KAU	Kerala Agriculture University
KVK	Krishi Vigyan Kendra
NASC	National Agricultural Science Center

NGO	Non-Governmental Organization
NORV	Notified and Released Varieties of India
NSAI	National Seed Association of India
NRCPB	National Research Center on Plant Biotechnology
NSRTC	National Seed Research and Training Center
MSEZ	Mangalore Special Economic Zone Limited
OECD	Organization for Economic Co-operation and Development
PS	Principal Scientist
PD	Project Director
PGR	Plant Genetic Resources
PPVFRA	Protection of Plant Varieties and Farmers'Rights Authority
PVE	Plant Variety Examiner
PVIS	Plant Variety Information System
PVJ	Plant Variety Journal of India
R&D	Research and Development
RTI	Right to Information
SAO	Senior Accounts Officer
SAU	State Agricultural Universities
STO	Senior Technical Officer
TRIPS	Trade-Related Aspects of Intellectual Property Rights
UPOV	International Union of Protection of New Varieties of Plants
VCK	Variety Common Knowledge
WTO	World Trade Organization
PGSC	Plant Genome Saviour Community Awards
PGSFR&R	Plant Genome Saviour Farmer Reward & Recognition
PARV	Portal to Apply for Registeration of Varieties

Annual Report for the year 2024-25 was adopted by the Protection of Plant Varieties and Farmers' Rights Authority in its 41st Authority Meeting held on 2nd December, 2025 vide agenda item No. 7 at New Delhi