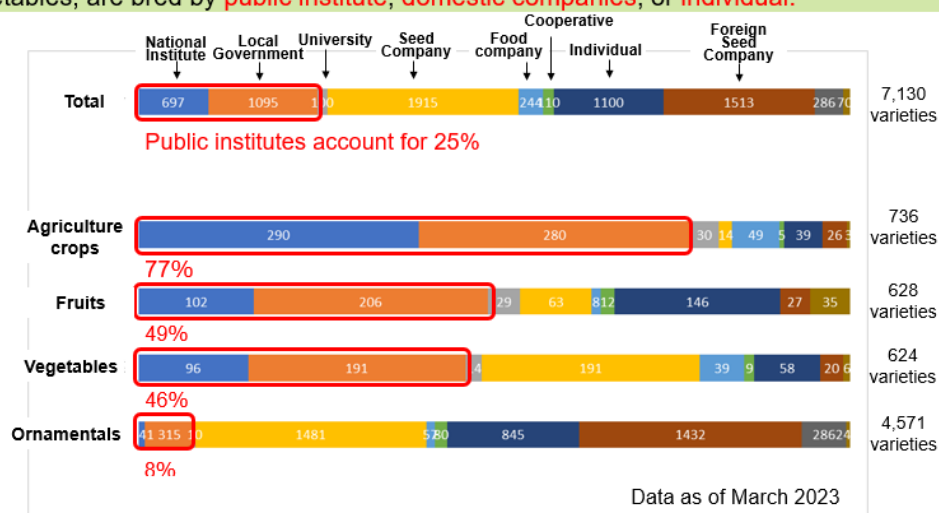


Trend of PBR Titles in force (by crop type, right holder type)

- Sensitive crops for national food security, such as, rice, wheat, beans, potato, fruits and vegetables, are bred by **public institute**, **domestic companies**, or **individual**.



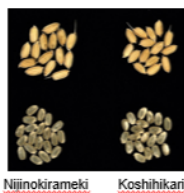
7

Japan's Agriculture Supported by Superior New Plant Varieties

- **New plant varieties are important factors supporting the development of our country agriculture.**
- Both farmers and consumers enjoy the benefits from the development of new plant varieties that meet environmental and consumers' preferences, such as, improved productivity, better taste etc.

[Super high-yield and high-temperature tolerance rice; Nijinokirameki]

- The yield is more than 10% higher than that of "Koshihikari" at the same ripening stage
- Decreased occurrence of white immature grains; quality is less likely to deteriorate even under higher temperatures.



Nijinokirameki Koshihikari

[Apples suitable for labor-saving and smart farming; Benitsurugi]

- Suitable for labor-saving cultivation because the branches do not spread sideways and tree is compact



[Strawberries with fragrant and fresh flavor; Toukun]

- Characteristic strong aroma
- To be able to harvest many fruits with good appearance



[Wheat suitable for making bread; Yumechikara]

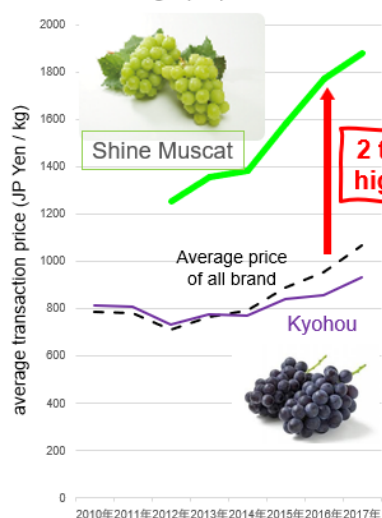
- Wheat that exhibits excellent breadmaking aptitude when blended with all-purpose flour.



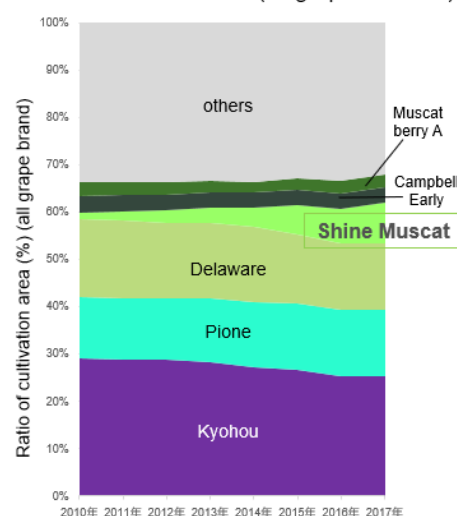
Photo: NARO 8

Effect of Branding with PVP (table grape variety “Shine Muscat”)

Trend of table grape price



Ratio of cultivation area (all grape varieties)



9

Contents

- 2) Activities to support the member countries to establish effective PVP system

JICA group training Introduction of Plant Variety Protection (PVP) System and Utilizations to New Improved Varieties and High Quality Seeds

To Learn from the experiences and technical expertise of Japan and find out the technical ways and benefit of PVP in conformity of UPOV convention.

2025 general information

Duration: Aug 17 to Sep 27 (in person)

- Lectures
- UPOV lessons
- DUS test practice at NCSS
- Third country phase in Vietnam



photo: JICA Tsukuba

11

The 2nd e-PVP Regional Meeting (Asia) held in Kuala Lumpur, Malaysia

To Share the information about the progress towards UPOV membership, current status and future prospects of DUS Test management and national PVP database.

- Date: 12-13 February 2025
- Co-chaired by Malaysia and Japan
- Attendees: Representatives from Brunei, Cambodia, Japan, Lao PDR, Malaysia, Myanmar, Vietnam and UPOV



12

Contents

3) Challenges

Challenges

Challenges –national relations

- **Raising awareness** about the effective management of PBR among various stakeholders
- To participate in **UPOV PRISMA**, and complete an efficient electronic application system
 - working on connecting Japan's system (VIPS) with PRISMA

Challenges –international relations

- **Protecting and managing** superior Japanese varieties overseas
- To increase **UPOV members**, and establish internationally harmonized PVP system in Asia and beyond
- To promote **UPOV e-PVP**, and harmonization of application and examination procedures in the region



14

Recent policy developments and future directions in PVP area

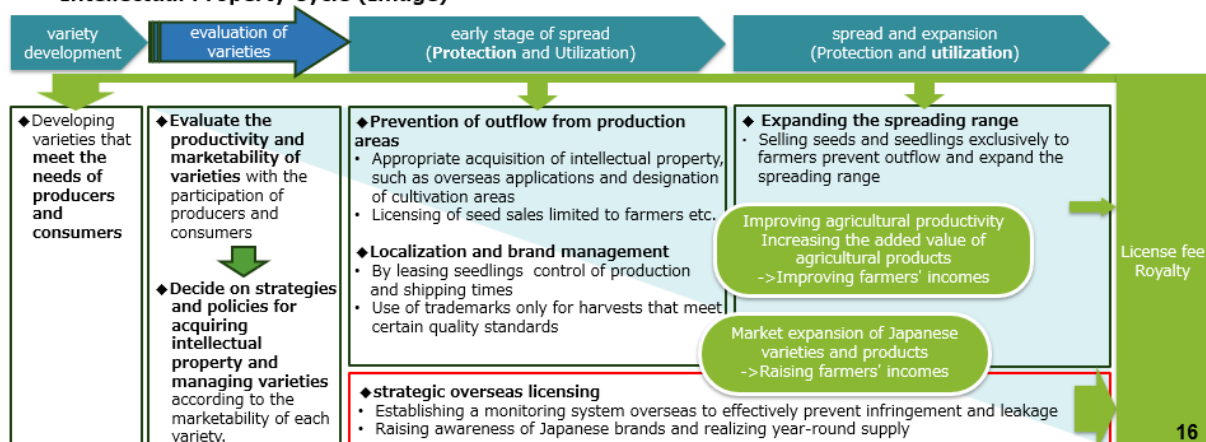
- **Support the effective management of PBR**
(e.g. activities by PBR administration organization, guidelines for the Protection and Utilization of Superior Varieties)
- **Raising awareness** about the IP management including PBR
(e.g. providing seminars for various industry stakeholders, funding a new UPOV project for collecting successful stories related to UPOV accession)
- **Enhancing efficient application and registration systems**
(e.g. further utilization of UPOV e-PVP, cooperation with UPOV members in DUS testing)

15

Direction for Development, Protection and Utilization of Superior Varieties

■ On top of thorough protection and management of superior varieties, farmers' incomes will be improved, and domestic agricultural infrastructure will be strengthened and food security will also be contributed through establishing an "intellectual property cycle" that promotes localisation and branding of superior varieties and leads to the development of new superior varieties.

— Intellectual Property Cycle (Image)—



16

KOREA

1. PVP Management Structure

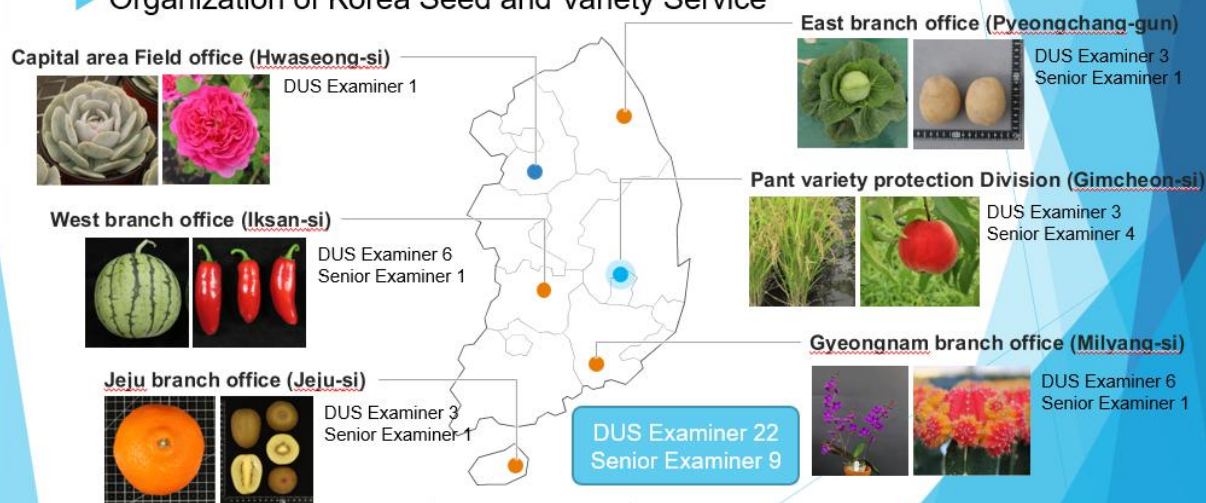
► PVP management system of Korea

Korea Seed and Variety Service	National Forest Seed and Variety Center	National Institute of Fisheries Science
<ul style="list-style-type: none"> Ministry of Agriculture, Food and Rural Affairs Agricultural seed & variety Application(~24) 13,759 variety Registration(~24) 10,356 variety 	<ul style="list-style-type: none"> Korea Forest Service Forest seed & variety Application(~24) 726 variety Registration(~24) 564 variety 	<ul style="list-style-type: none"> Ministry of Oceans and Fisheries Aquatic seed & variety Application(~24) 49 variety Registration(~24) 36 variety

the 18th EAPVP Forum Annual Meeting

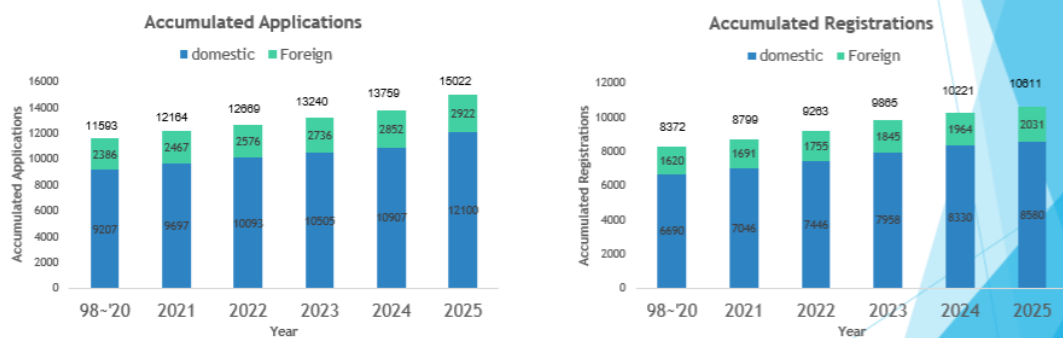
2. PVP Management Structure

► Organization of Korea Seed and Variety Service

the 18th EAPVP Forum Annual Meeting

3. Statistics

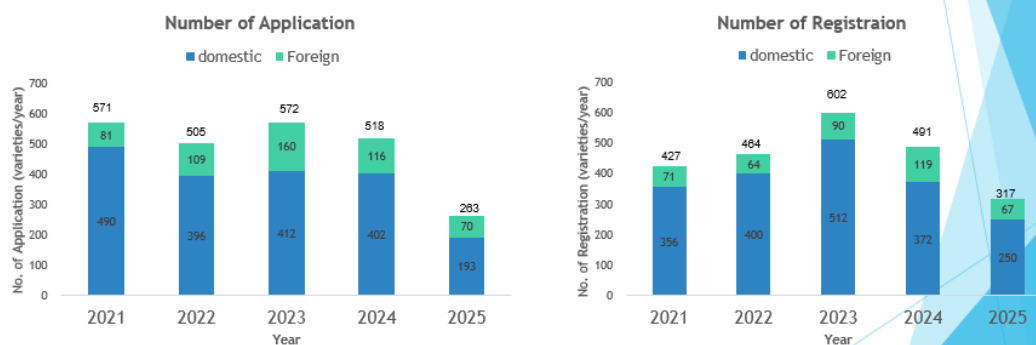
► Trends of Application & Registration (accumulated)



the 18th EAPVP Forum Annual Meeting

3. Statistics

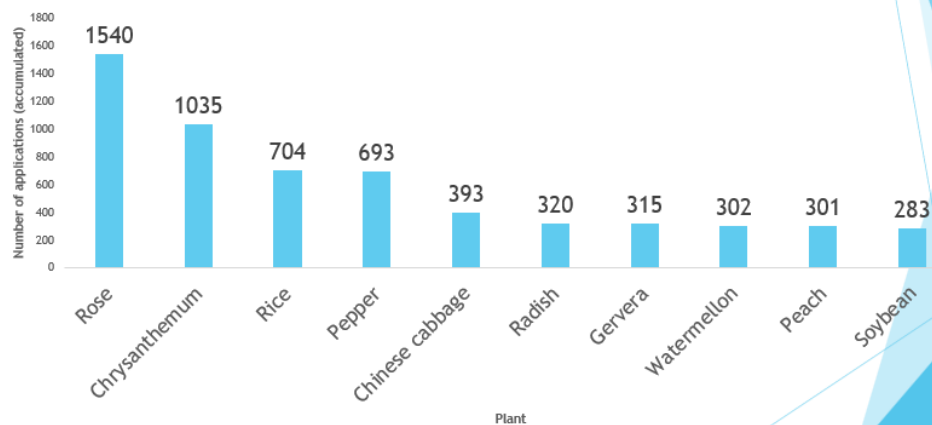
► Trends of Application & Registration (Recent 5 years)



the 18th EAPVP Forum Annual Meeting

3. Statistics

► Number of application by plant (Top 10 crops)

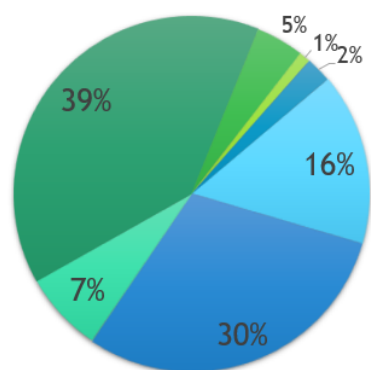


the 18th EAPVP Forum Annual Meeting

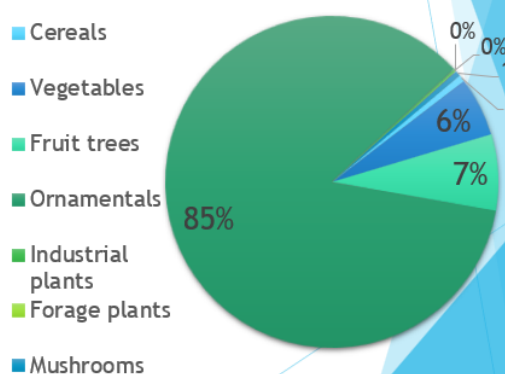
3. Statistics

► Comparison of Application by plant category (domestic & foreign)

Application by plant category (domestic)



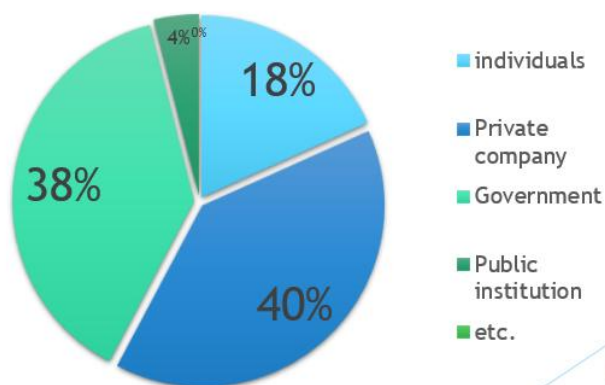
Application by plant category (foreign)



the 18th EAPVP Forum Annual Meeting

3. Statistics

► Application by applicant category



the 18th EAPVP Forum Annual Meeting

Challenges & Opportunities

1) Challenges

- Limited number of examiners and increasing variety of new crops
- Growing complexity of breeding techniques and related trait evaluation
- Need to secure expertise across a wide range of crops

2) Opportunities

- Introduction of Digital image analysis technology

the 18th EAPVP Forum Annual Meeting

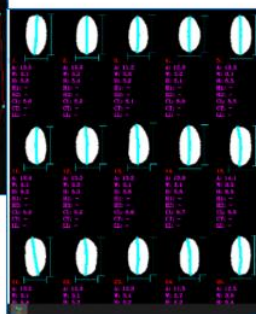
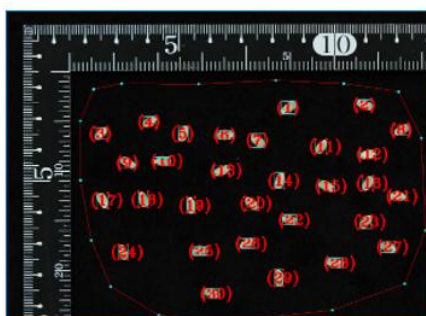
New challenge: Digital Image Analysis



the 18th EAPVP Forum Annual Meeting

3. New challenge: Digital Image Analysis

► Measurement, Color characteristics



1.

185D	:	4411
54C	:	4330
156C	:	3274
146D	:	2624
195B	:	2005

the 18th EAPVP Forum Annual Meeting

Number of staff

❖ Director General	1
❖ Deputy Director General	5
❖ Patent and Plant Variety Division	6
❖ Trademark Division	11
❖ General Affairs Division	11
❖ IP Policy Division	5
❖ IP Dispute Settlement Division	5
❖ Industrial Design Division	5
❖ Geographical Indication Division	5
Total	54

the 18th EAPVP Forum Annual Meeting

Road map to become UPOV member



the 18th EAPVP Forum Annual Meeting

Recent Development on PVP

1) Movement toward UPOV membership (for non-UPOV member)

- 2020 Received funding from JATAFF to translate UPOV Convention 1991 for the purpose of study the benefit of becoming a UPOV member.
- 2023 Translated the guidelines for DUS testing of rice and maize into Laotian.
- Organize a Seminar on the benefits of joining the Union for the Protection of New Varieties of Plants (UPOV) for farmers and growers on April 28, 2023 funded by JATAFF.
- Organize a consultation meeting on legal compliance of intellectual property related to the protection of new plants varieties.
- 2023 Revised IP Law in consulted with UPOV Secretariat on PVP part.
- 2024 Publication on new plants varieties under the Intellectual Property Law on 18 December, 2024 in Luang Prabang Province.

5

the 18th EAPVP Forum Annual Meeting

Recent Development on PVP

2) Challenges and countermeasures

- Lack of skilled person in plant species.
- Lack of DUS testing center.
- Lack of budget.
- Database to store a data of plants.
- Etc.

6

the 18th EAPVP Forum Annual Meeting

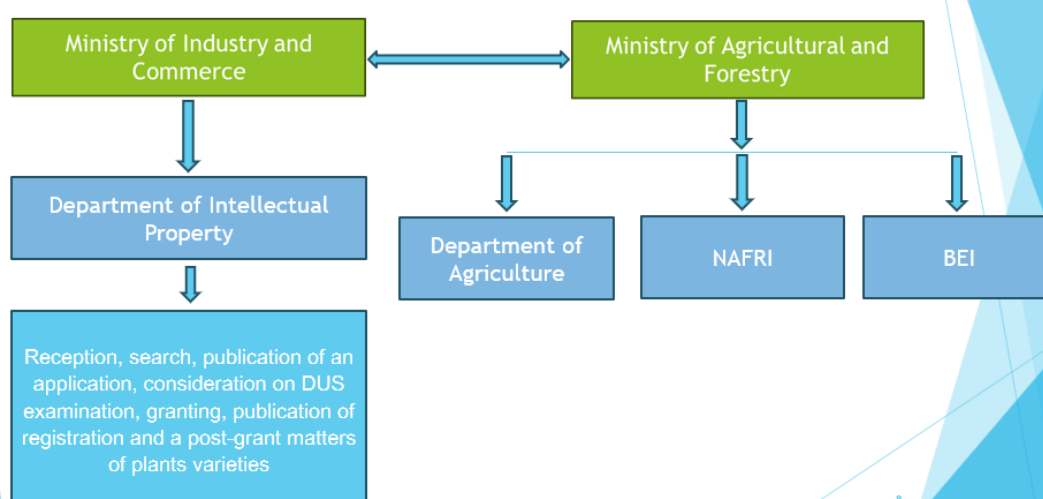
Recent Development on PVP

3) Others

- Collaborate with National Agriculture and Forestry Research Institute (NAFRI) on a possibility in establishing DUS testing center.
- Create a project to request a budget from the government in order to develop new plants varieties matters.
- Collaborate with other partners, PVP offices in the region and international organization to meet the needs on development PVP in the country.
- Cooperate with UPOV in preparing to implement the E-APVP system into the Lao registration system, expected in August 2025.

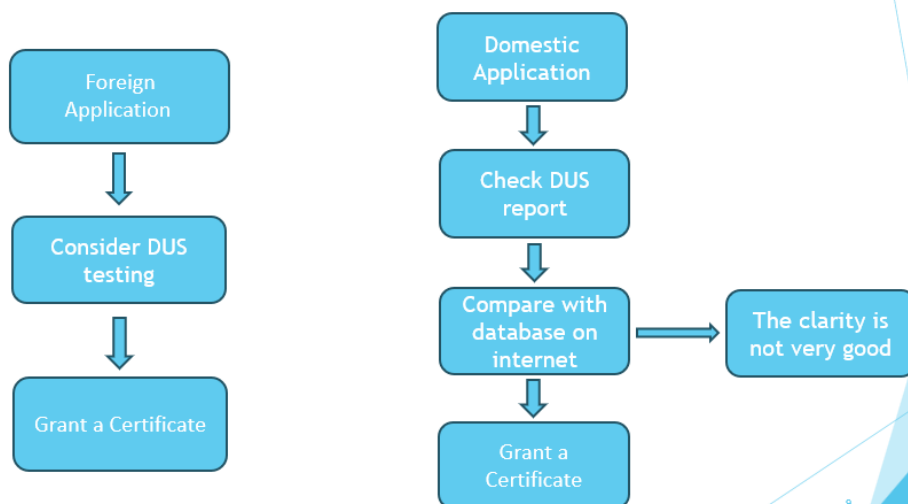
the 18th EAPVP Forum Annual Meeting

PVP management structure



the 18th EAPVP Forum Annual Meeting

PVP examination system



the 18th EAPVP Forum Annual Meeting

Statistic

Year	Domestic Application	Foreign Application	Domestic Grant	Foreign Grant	Refused
2020	1	0	0	0	
2021	0	0	0	0	
2022	1	0	0	0	
2023	0	0	0	0	1
2024	0	5	0	0	
2025	0	4	0	5	

the 18th EAPVP Forum Annual Meeting








Expectations

- Raising awareness on PVP in the country
- Establishing DUS testing center
- Seeking more collaboration and support
- Joining the UPOV
- Increasing number of application from abroad as well as domestic application in order to develop PVP sector in the Lao PDR
- Etc.

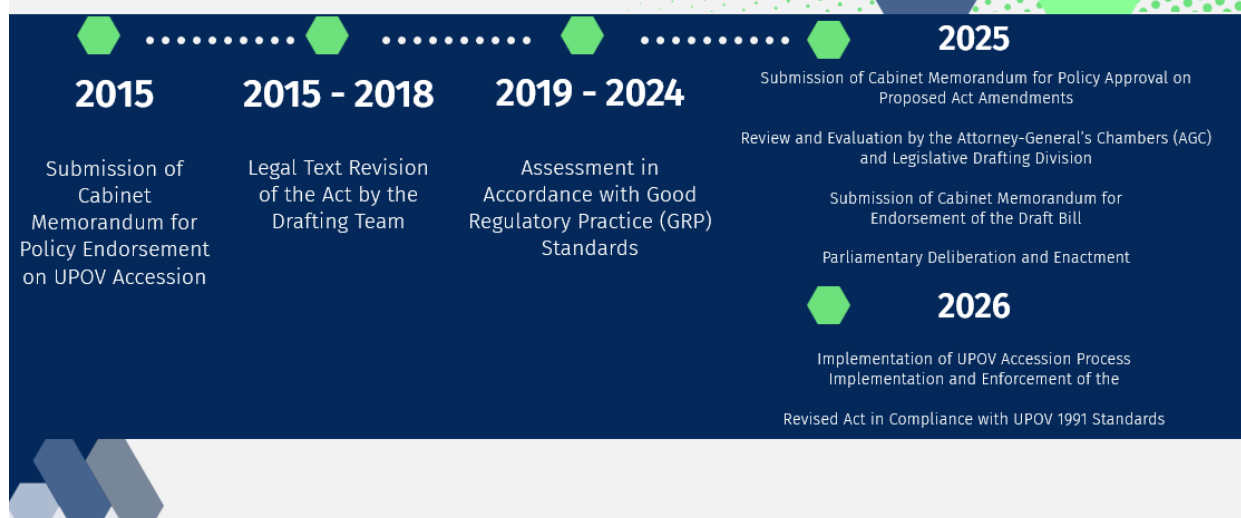
11

the 18th EAPVP Forum Annual Meeting

MALAYSIA

	 Breeders & Farmers	 Government Agencies	 UPOV	 Policy Makers	 NGOs	
Experiences	Periodic consultations, exhibitions, and farmer-centric sessions have been held, including a national exhibition in May 2025.	Ongoing coordination meetings for legislative alignment and PVP amendment support. A memorandum was submitted in May 2025.	Regular technical meetings focused on amendment review and UPOV 1991 harmonization. Engagements ongoing.	High-level meetings with PM, Agriculture Minister, and State Excos to secure principal backing.	Series of consultations to explain amendments. NGOs provided multiple memoranda and inquiries.	
Feedbacks	Positive response; breeders support protection and commercialization. Farmers increasingly receptive.	Strong support following legislative clarity. Agencies actively supporting the amendment.	Constructive feedback with ongoing legal dialogue. Acknowledged Malaysia's commitment.	Clear political support; policymakers aligned with accession plan.	Mixed, often critical. Some concerns were addressed; seed rights concerns persist.	
 Collaborative National Efforts for UPOV Accession						

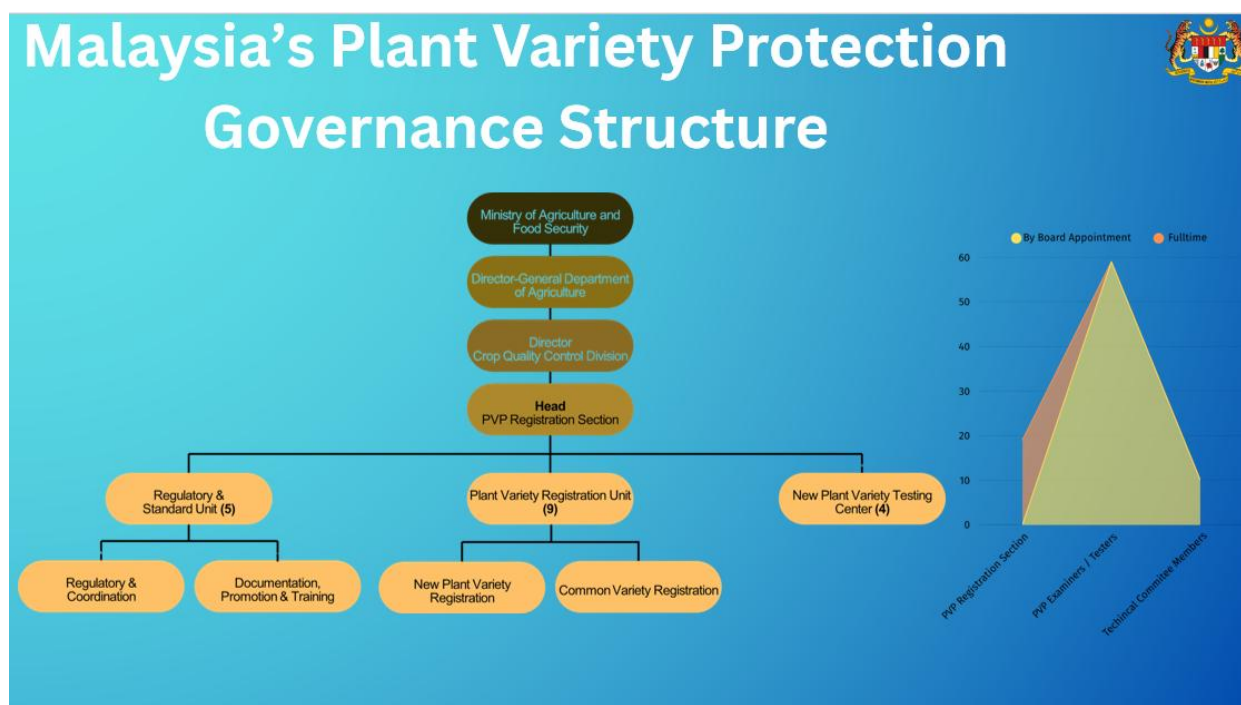
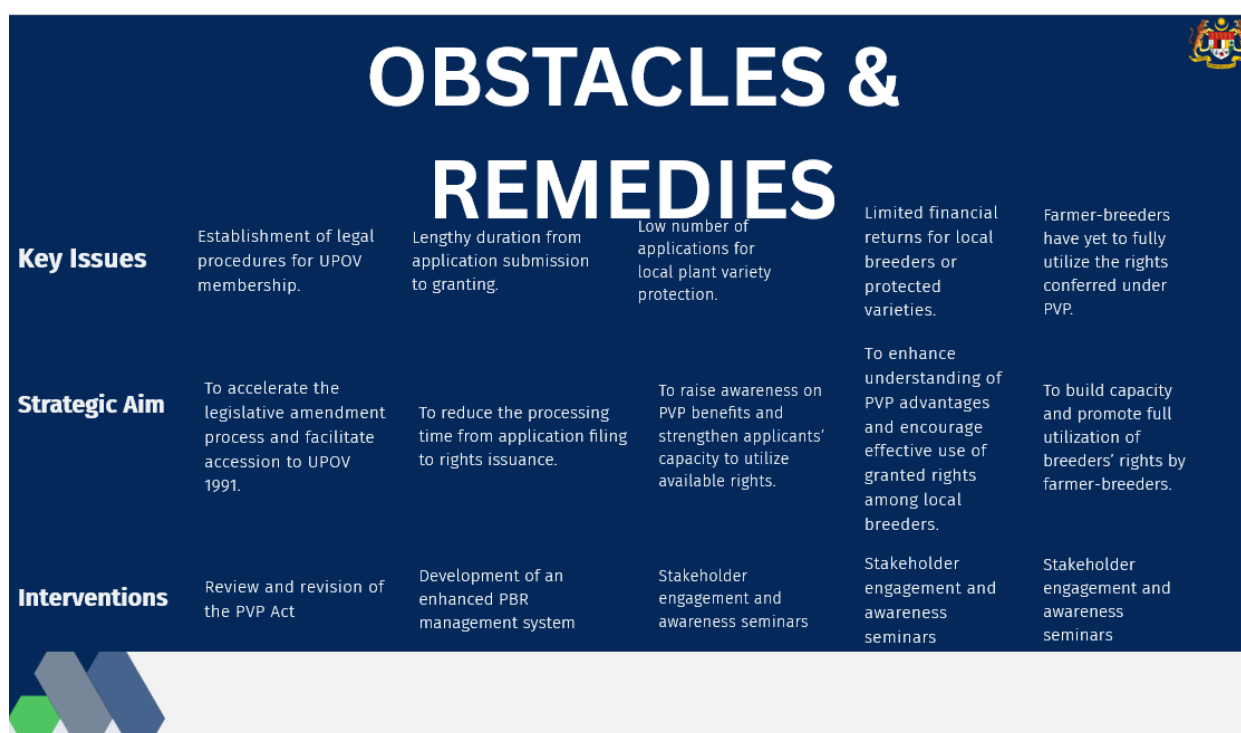
Key Milestones in PVP Development

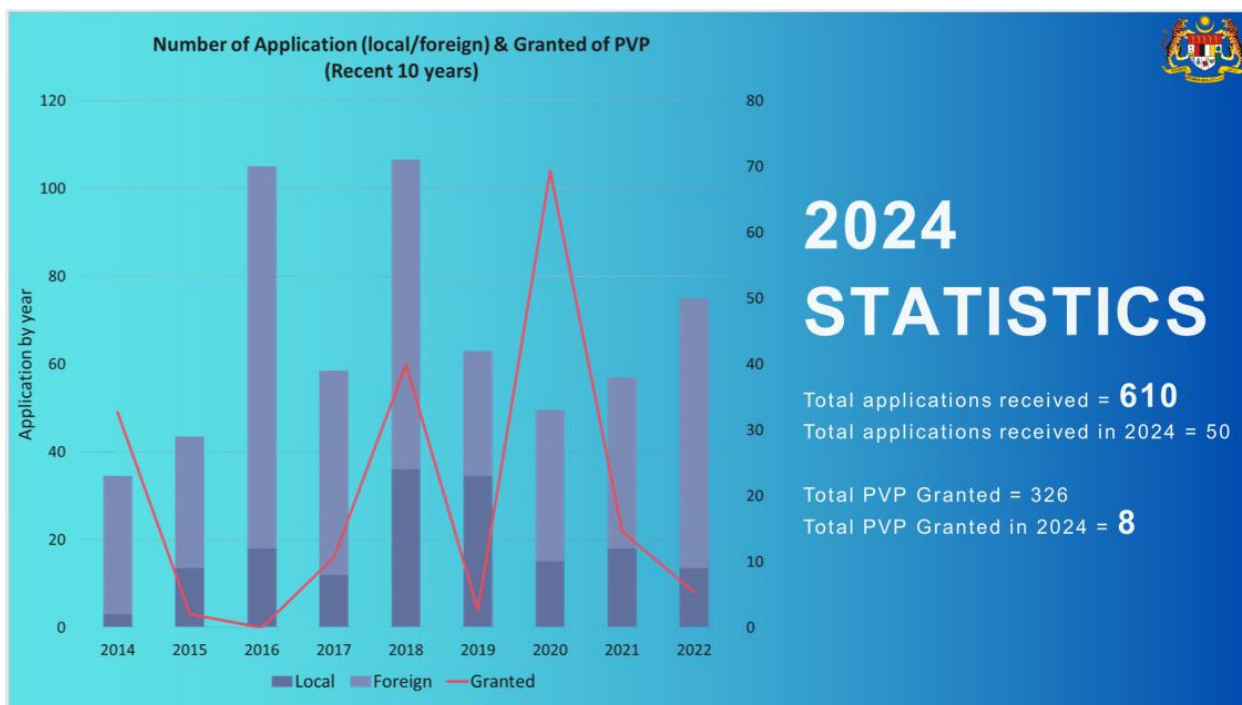


Revision of PVP Act MALAYSIA

These action items are critical for advancing Malaysia's position as a leader in plant variety protection while ensuring sustainable practices that benefit farmers and the nation.

-  **Core Scope of Protection and Statutory Terminology**
-  **Scope of Breeders' Rights, Permissible Limitations, and Enforcement Mechanisms**
-  **Administrative Procedures and Governance of Plant Breeders' Rights**

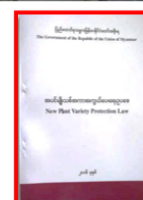




MYANMAR

Recent Developments in PVP

- In 2012, Awareness Seminar organized by UPOV and EAPVP
- **PVP law** enactment on **20.1.2016**
- PVP law entered into force on **20.1.2017**
- **PVP Unit** organized under DAR (**10.5.2016**)
- Intensive Awareness Raising Seminar on PVP System organized by DAR, UPOV, USPTO and MAFF, Japan (**5.12.2016**)
- **PVP law enactment** (Amending the existing law in line with UPO 1991 act) on **24.9.2019**
- **The Procedures** relating to the New Plant Variety Protection Law enactment **24.9.2021**



PVP Law (2016)



PVP Procedures (2021)



PVP Law (2019)

Recent Developments in PVP

□ Trying to apply to become UPOV member based on Positive Decision

- For first step-already submitted to ministry office
- Intra-ministry process - still pending
- If intra-ministry process finish, move forward to another steps (**comments and suggestions from other related ministries, Office of the Attorney General and National State Council**)



UPOV showed positive decision on Myanmar PVP law at 53rd council meeting, 1st Nov: 2019, Geneva, Switzerland

3

Recent Developments in PVP

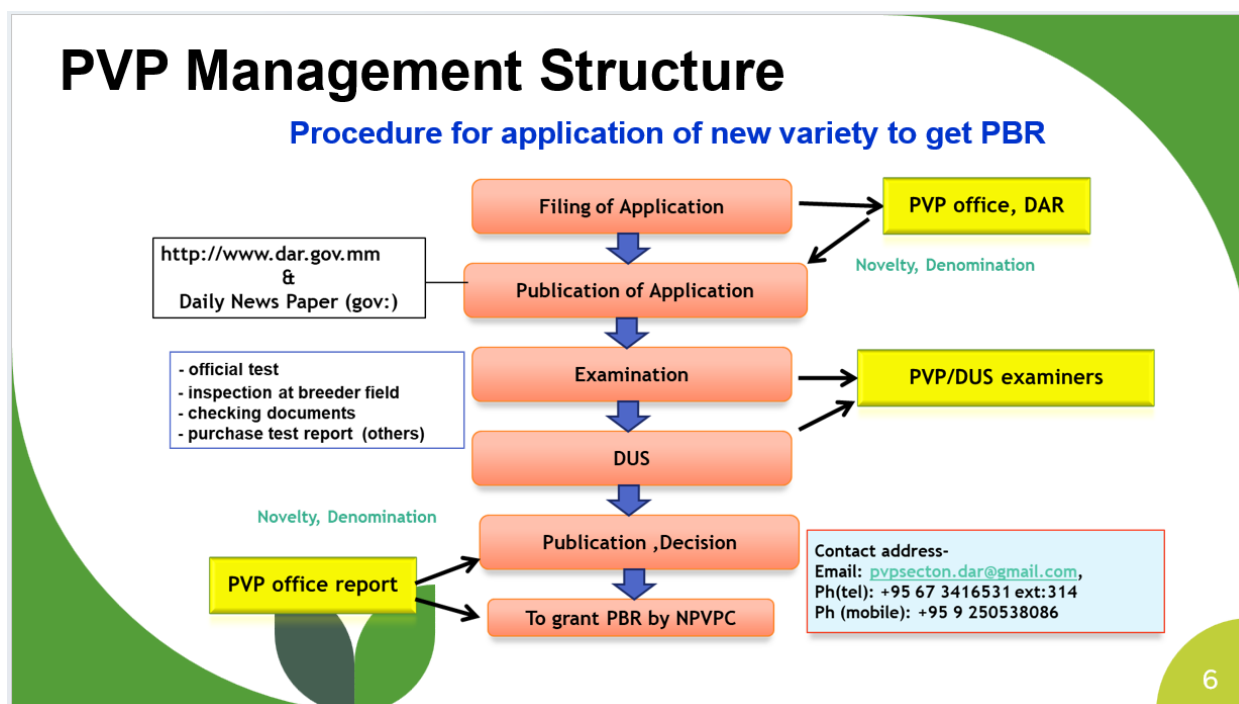
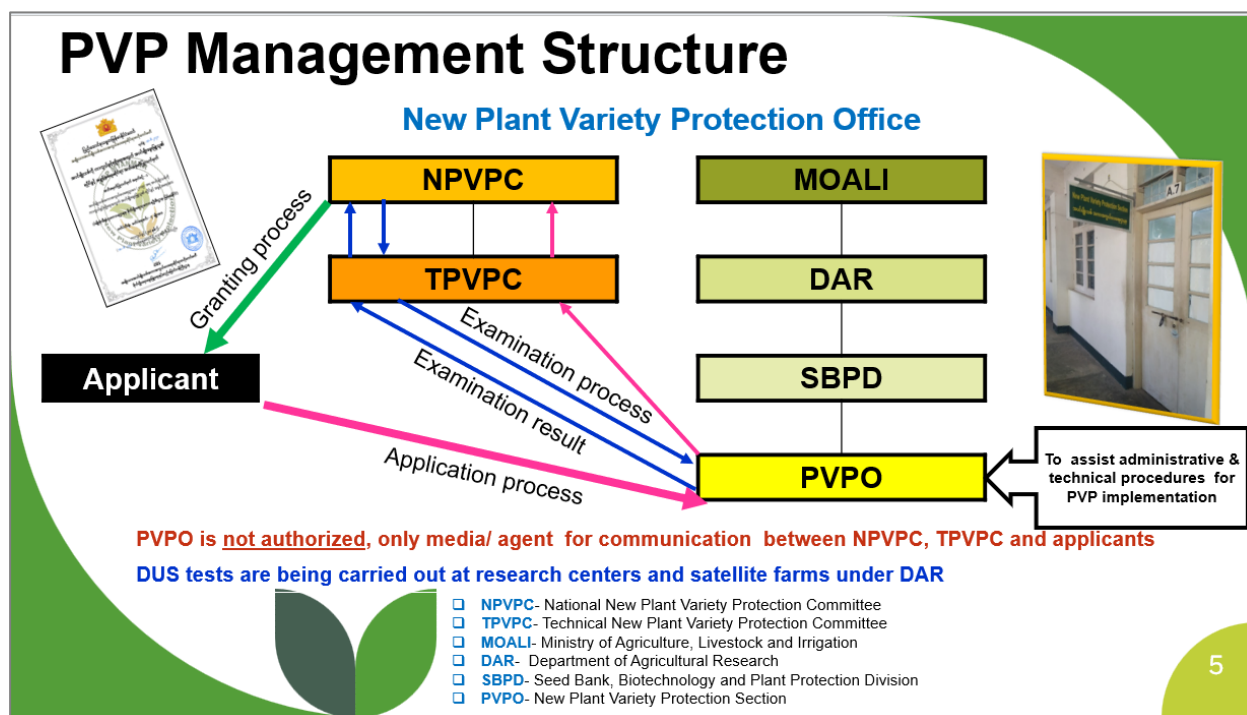
□ Challenges

- To raise awareness on PVP system among policy makers & also multi-stakeholders
- To develop the capacity for DUS testing and development of National TG (including HR)
- To develop Online Application System

□ Countermeasures

- ✓ Conducting Awareness Raising Workshop on UPOV PVP System among the relevant policy makers and multi-stakeholders
- ✓ Participating of Myanmar PVP examiners and testers(who are the members of Technical and Sub- technical Plant Variety Protection Committee of Myanmar) in DUS testing and other PVP system related trainings and courses (DL 205 & DL 305)
- ✓ Discussion with National and Technical Committee Members

4



PVP Management Structure

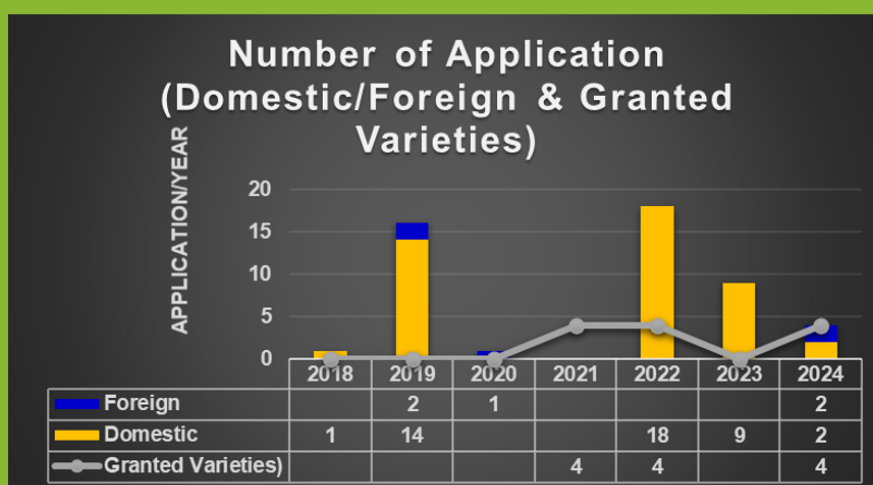
□ Number of persons in charge and examiners - 24 (trained persons)

- Full-time positions- 4 persons
- Concurrent positions - 20 persons



7

Number of Application (2018-2025)



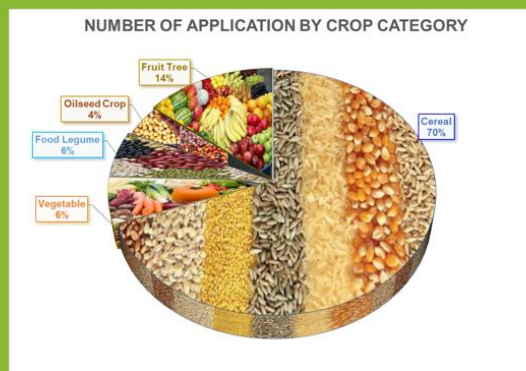
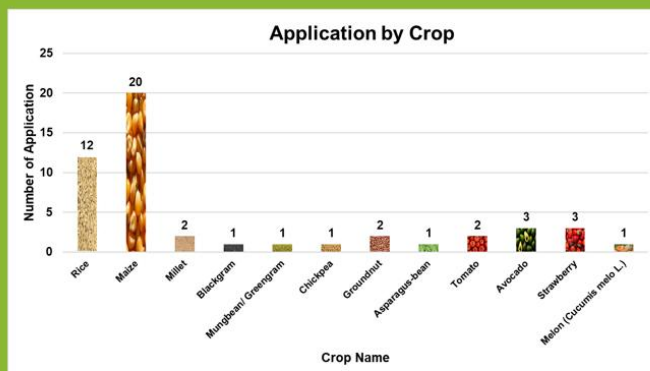
□ Total number of application - 49

□ Total number of granted varieties - 12

Source: PVP Section, DAR

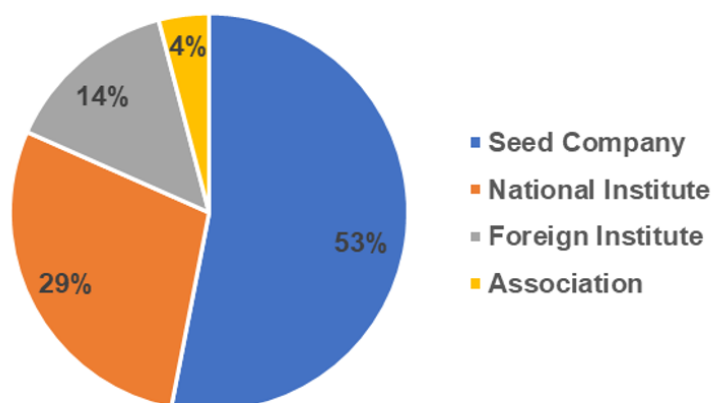
8

Application by crop & crop category



9

Application by applicant category



10

Proposed Activities (2025-2026)

- 1) Enhancing PVP Awareness and UPOV Compliance through Multi-Stakeholder Workshops (Hybrid)

November 2025

- 2) Participating of Myanmar PVP examiners (who are the members of Technical and Sub- technical Plant Variety Protection Committee of Myanmar) in DUS test training, Development of National TG trainings and Database trainings to be held among the region.

PRESENTATION TITLE

11

PHILIPPINES

Outline

- I. Recent Developments in PVP
- II. PVP Management Structure
 - Organizational Structure
 - Functions and Responsibilities
- III. Data and Statistics

I. Recent Developments in PVP

Movement Towards International Alignment / UPOV Membership

- Currently, there is no clear path regarding accession to UPOV, as the situation in the Philippines involves balancing the rights of plant breeders and farmers.
- Some initiatives were undertaken to increase the awareness of various stakeholders in the Philippines regarding PVP and UPOV.
- In 2024, a PVP awareness-raising seminar was conducted, with invited resource persons from UPOV who served as panelists during the open forum and panel discussion.

I. Recent Developments in PVP

Movement Towards International Alignment / UPOV Membership

- A dialogue between UPOV representatives and high-ranking officials of the Philippines' Department of Agriculture (DA) was also held.
- As an outcome of the meeting, the DA Undersecretary for Policy and Regulations conveyed that, should an invitation be extended, the Philippines would be receptive to participating in UPOV meetings in the capacity of an "Observer."



A PVP Awareness-Raising Seminar was held on August 22, 2024, in Manila, Philippines

I. Recent Developments in PVP

Revision of PVP-Related Laws and Regulations

- An initiative has been undertaken to revisit and review the existing PVP Law in the Philippines.
- An Ad Hoc Committee was constituted for this purpose. As part of its functions, the Committee will propose recommendations and draft amendments to the current PVP Law.
- It is expected that by the end of the year, the Committee will produce its outputs, including recommendations and, if feasible, a draft of the proposed amendments, which will be endorsed to the National Plant Variety Protection Board.

I. Recent Developments in PVP

Challenges in the Implementation of PVP

1. Balancing Stakeholder Interests

- Reconciling the rights of plant breeders with the traditional rights of farmers, especially concerning seed saving and exchange.

2. Limited Awareness and Understanding

- Insufficient knowledge among farmers, local communities, and some government stakeholders about PVP benefits and obligations.

I. Recent Developments in PVP

Challenges in the Implementation of PVP

3. Low PVP Application Rates

- Low PVP application rates are particularly noticeable among foreign applicants. This may be attributed to the need for better alignment with international standards.

4. Legal and Regulatory Gaps

- The existing PVP Law is outdated, and several provisions have yet to be fully implemented.

I. Recent Developments in PVP

Countermeasures

Establishment of a Registry for
Traditional and Farmer-Bred
Varieties

Conduct awareness-raising
activities, including seminars and
stakeholder consultations

Streamline application
procedures to encourage
more breeders to apply

Enhance capacity of
the PVP Office

Conduct a
comprehensive review of
the existing PVP Law

II. PVP Management Structure



ORGANIZATIONAL CHART NATIONAL SEED INDUSTRY COUNCIL (NSIC) - PLANT VARIETY PROTECTION OFFICE (PVPO)

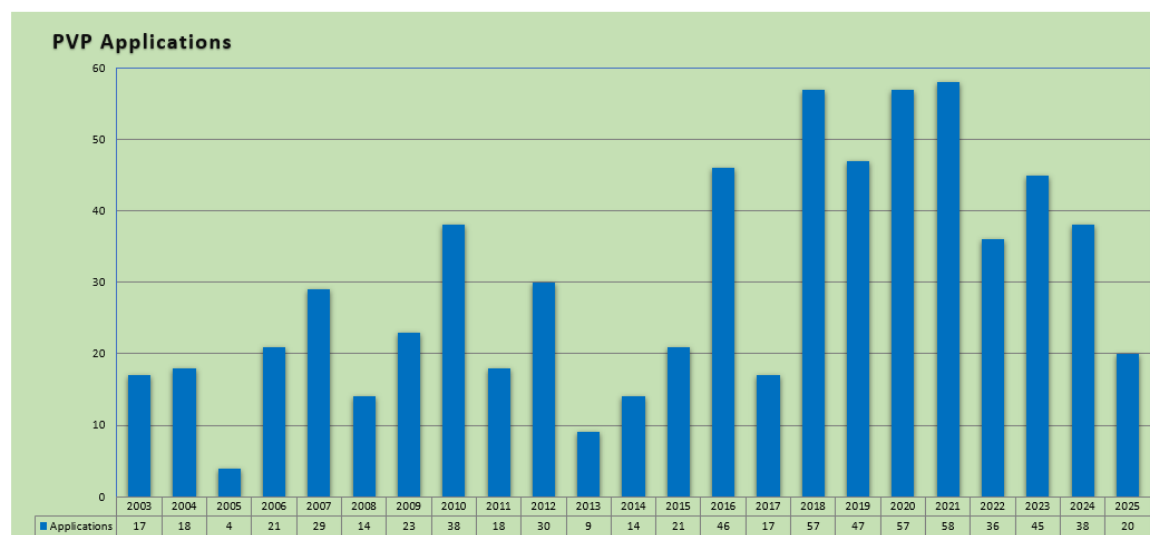


II. PVP Management Structure

Functions:

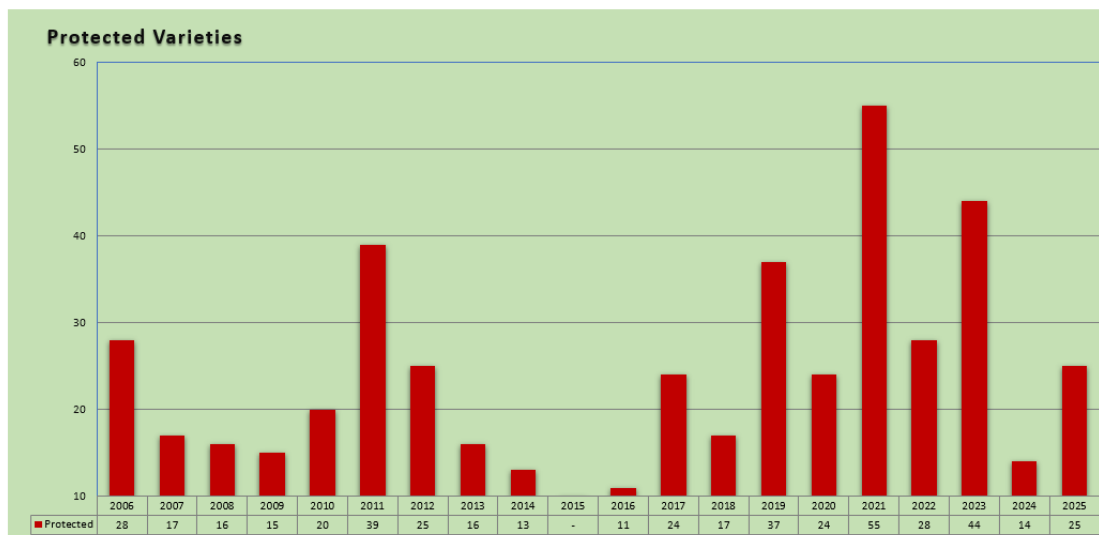
1. Receive and assess applications for Plant Variety Protection;
2. Perform all administrative functions related to PVP applications;
3. Assist in the conduct of Distinctness, Uniformity, and Stability (DUS) evaluations by PVP Examiners;
4. Maintain a systematic record of all Certificates of Plant Variety Protection (CPVP);
5. Manage a database of existing protected plant varieties, including traditional and farmer-bred varieties.

III. PVP Statistics *as of July 2025*



Total Applications: 677

III. PVP Statistics *as of July 2025*



Grants: 468

III. PVP Statistics *as of July 2025*

