



East Asia Plant Variety Protection Forum

**11<sup>th</sup> Annual Meeting**

**Muntinlupa, Philippines, 01 August 2018**

**EAPVPF/11/04\_10**

**Date: 1 August 2018**

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## **INDIVIDUAL IMPLEMENTING STRATEGY OF THE PHILIPPINES**

*prepared by Philippines*

### **1. National Goal (for next 10 years: 2018 – 2027)**

- 1-1. To have an effective plant variety protection system that is beneficial in attaining sustainable agriculture and achieving food security for the country.
- 1-2. To strengthen the cooperation endeavors within neighboring countries with PVP system that aims to contribute in the nourishment of plant breeding activities in the Philippines for the benefit of plant breeders and farmers.

### **2. Objectives with analysis of challenges (for next 3 years)**

#### **OBJECTIVE 1**

##### **2018:**

Intensify the awareness campaign in regards with the importance of Plant Variety Protection through linking with other government institutions and non-government organizations.

#### **OBJECTIVE 2**

##### **2019:**

Strengthen the implementation of the PVP system in the country through cooperation with different government agencies, non-government institutions and neighboring countries that implement PVP.

Enhance the technical knowledge and capabilities of existing and prospected PVP examiners through workshop and trainings.

##### **2020:**

Encourage the different stakeholders to intensify their plant breeding activities.

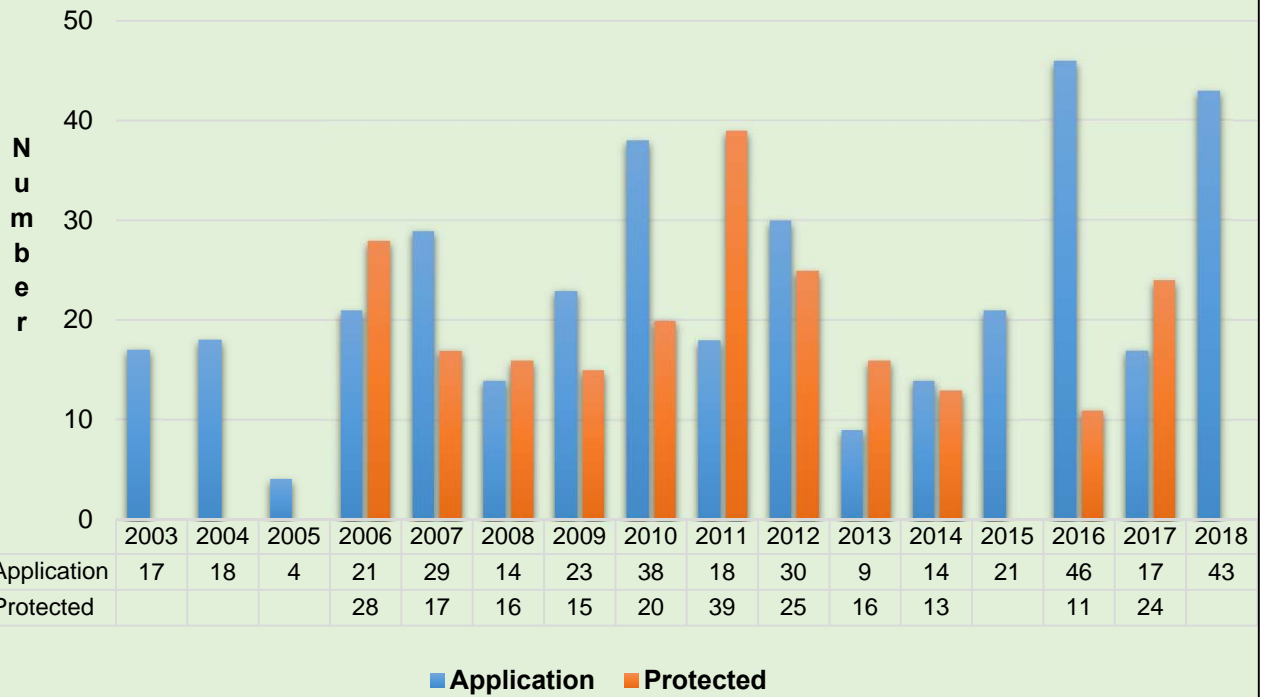
### 3. Planned activities and road map (for next 3 years)

PLANNED ACTIVITIES	
ACTIVITIES TO ACHIEVE OBJECTIVE 1	TARGET GROUP
Linkage/partnership with other government institutions and non - government organization	<ul style="list-style-type: none"> <li>▪ Philippine Seed Industry Association</li> <li>▪ Department of Science and Technology – Technology Application and Promotion Institute</li> <li>▪ Farmers Organization</li> <li>▪ Govt &amp; NGOs</li> </ul>
Extensive awareness and information campaign	Stakeholders <ul style="list-style-type: none"> <li>▪ Seed companies</li> <li>▪ Breeders</li> <li>▪ farmers</li> </ul>
ACTIVITIES TO ACHIEVE OBJECTIVE 2	TARGET GROUP
Conduct series of technical trainings and workshop <ul style="list-style-type: none"> <li>▪ DUS evaluation and Photo Documentation</li> <li>▪ Review of DUS Test Guidelines</li> </ul>	PVP DUS Examiners
Revisit and amend Republic Act No. 9168  Identify means on how to encourage stakeholders to intensify their plant breeding activities (reward, incentives, subsidy, recognition)	Stakeholders <ul style="list-style-type: none"> <li>▪ Seed companies</li> <li>▪ Breeders</li> <li>▪ farmers</li> </ul>

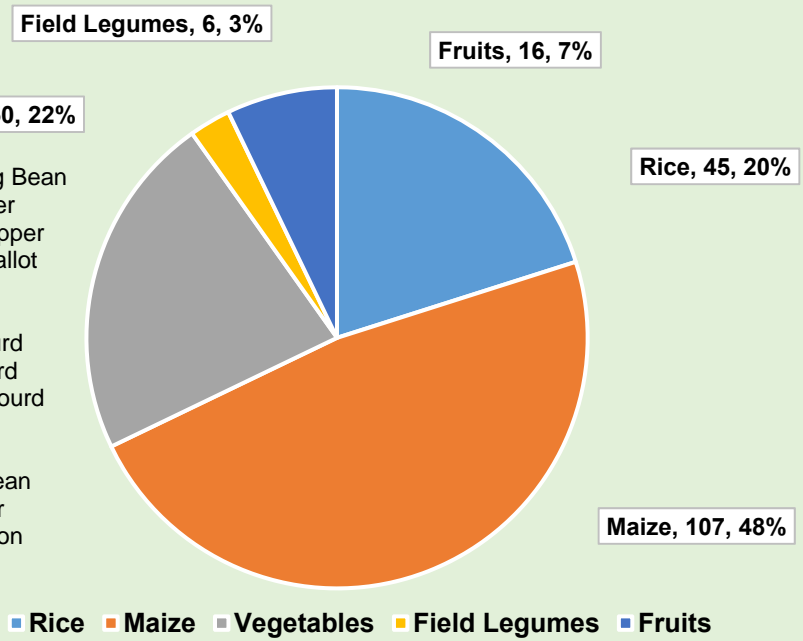
#### Road map

Situationer
<ul style="list-style-type: none"> <li>▪ The Philippines enacted into law its plant breeder's rights through Republic Act 9168 otherwise known as the "Plant Variety Protection Act of 2002".</li> <li>▪ The act shall protect and secure the exclusive rights of breeders with respect to their new plant variety.</li> <li>▪ The PVP office shall receive and conduct examination of applications for plant variety protection; receive petitions for compulsory license for transmittal to the Board; and maintain a systematic record of all Certificates of Plant Variety Protection.</li> <li>▪ To date, 224 crop varieties have been granted with Certificate of Plant Variety Protection out of 362 applications filed for the last 16 years.</li> </ul>

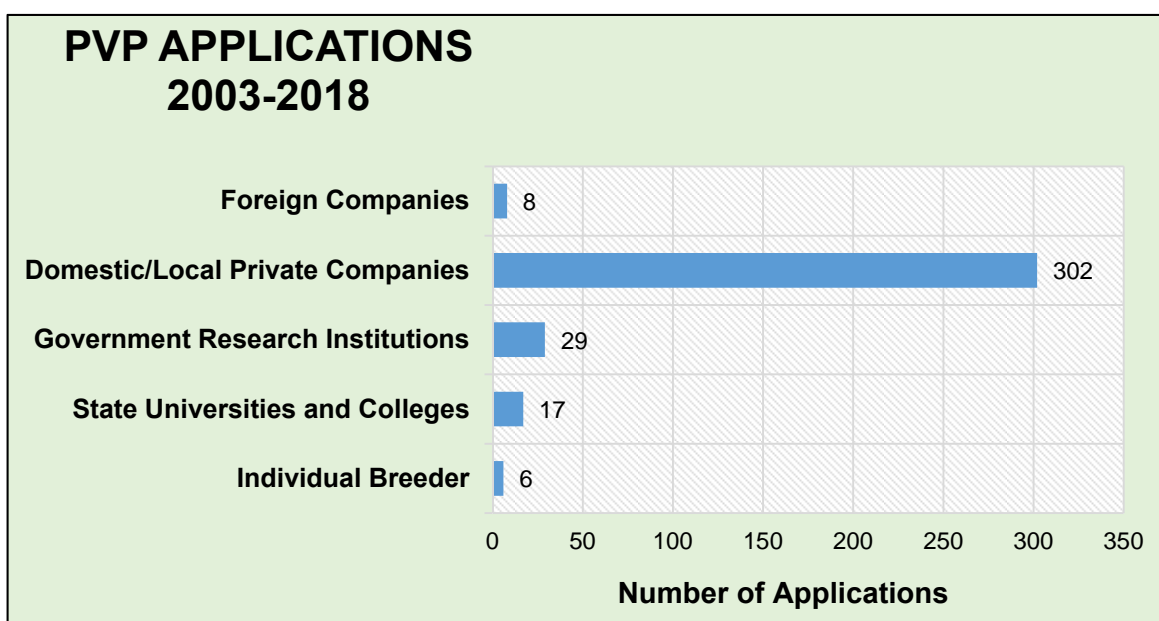
### PVP Statistics



- 2.676 % (6) – Yard Long Bean
- 0.446 % (1) – Hot Pepper
- 1.784 % (4) – Sweet Pepper
- 1.784 % (4) – Onion/Shallot
- 4.014 % (9) – Eggplant
- 0.892 % (2) – Tomato
- 1.338 % (3) – Bottle gourd
- 2.676 % (6) – Bitter gourd
- 0.446 % (1) – Sponge gourd
- 0.892 % (2) – Lettuce
- 0.446 % (1) – Radish
- 1.338 % (3) – French Bean
- 0.446 % (1) – Cucumber
- 2.230 % (5) – Watermelon



### Protected Plant Varieties by Commodity



Problems in Plant Variety Protection System in the Philippines	Possible Solution	Expected Output	Responsible Agencies	Timeline
Fallacious impression of some farmers with regards to Plant Variety Protection System (Importance, royalty, procedures, benefits, etc.)	<ul style="list-style-type: none"> <li>Intensify awareness campaign re: plant variety protection</li> <li>Communication plan for PVP / dissemination program</li> </ul>	<ul style="list-style-type: none"> <li>Good reputation of the PVP system in the country</li> <li>Gain farmer's trust about the PVP system</li> <li>Beneficial breeder-farmers relationship</li> </ul>	Bureau of Plant Industry – Plant Variety Protection Office, Department of Science and Technology – Technology Application and Promotion Institute & other Agriculture-related Government agencies and NGOs	2018-2020
Decreasing number of protected plant varieties for the last 5 years (2011-2016 PVP statistics)	<ul style="list-style-type: none"> <li>Reward, incentives, subsidy or recognition for the plant breeders</li> <li>Intensify awareness campaign re: plant variety protection</li> <li>Linkage between different government agencies and NGO's that specializes in information-dissemination</li> </ul>	<ul style="list-style-type: none"> <li>Intensified awareness and information dissemination</li> <li>Increased number of protected crops</li> <li>Increased variety choices for farmers (secondary to plant breeders right)</li> </ul>	Bureau of Plant Industry – Plant Variety Protection Office, Department of Science and Technology – Technology Application and Promotion Institute & other Agriculture-related Government agencies and NGOs	2018-2020

#### 4. Proposal of Cooperation Activity

4-1. Title of Program: **TECHNICAL TRAINING ON DISTINCTNESS, UNIFORMITY AND STABILITY (DUS) EVALUATION AND PHOTO DOCUMENTATION**

4-2. Expected outcome of the proposed program

The proposed five-day activity will ensure that the technical persons detailed in Plant Variety Protection Office and prospected outsource examiners will be capable of conducting DUS field evaluation and preparation of DUS report effectively and geared with updated technical knowledge and skills in the characterization of morphological and agronomical features of a crop. Thus, enhancing the quality and strengthening the implementation of Plant Variety Protection system in the Philippines.

4-3. Proposed date: May 1-5, 2019

4-4. Proposed venue:

##### Philippines

- Bureau of Plant Industry (BPI) Central Office - Malate, Manila
- International Rice Research Institute (IRRI) - Los Baños, Laguna
- Institute of Plant Breeding (IPB) - Los Baños, Laguna

4-5. Expected participants:

TARGET GROUP	Number of Participants	
	Male	Female
BPI-PVPO	2	2
BPI-CRPSD-PGR	2	2
UPLB-IPB-NPGRL	2	2
NGOs	3	3
SUCs	3	3
PLANT BREEDERS	4	4
RESEARCHERS	4	4
<b>TOTAL</b>	<b>20</b>	<b>20</b>
<b>GRAND TOTAL</b>	<b>40</b>	

**\*5 Resource persons & 5 facilitator from BPI-PVPO**

## 4-6. Proposed activities in details

DAY	TOPICS AND ACTIVITIES	TIME
1 <sup>st</sup> Day	<ul style="list-style-type: none"> <li>▪ <b><u>Registration of Participants</u></b> ..... 8:00 am - 9:00 am</li> <li>▪ <b><u>Opening Program</u></b> <ul style="list-style-type: none"> <li>▪ Course Orientation ..... 9:00 am - 9:30 am</li> </ul> </li> <li>▪ <b><u>Lecture</u></b> <ul style="list-style-type: none"> <li>▪ The Philippine Seed Industry ..... 9:30 am - 10:00 am</li> <li>▪ PVP Briefer ..... 10:00 am - 11 am               <ul style="list-style-type: none"> <li>▪ Republic Act No. 9168</li> <li>▪ Importance of Plant Variety Protection</li> </ul> </li> <li>▪ Open Forum ..... 11:00 am - 12:00 nn</li> </ul> </li> <li><b><u>Lunch Break</u></b> ..... 12:00 nn - 1:00 pm</li> <li>▪ <b><u>Lecture</u></b> <ul style="list-style-type: none"> <li>▪ Introduction to Basic Plant Breeding and Characterization Techniques ..... 1:00 pm - 3:30 pm               <ul style="list-style-type: none"> <li>▪ Principles of Distinctness, Uniformity, and Stability</li> <li>▪ The morphological characteristics - Quantitative, Qualitative, and Pseudo qualitative</li> </ul> </li> <li>▪ Open Forum ..... 3:30 pm - 5:00 pm</li> </ul> </li> </ul>	
2 <sup>nd</sup> Day	<p><b><u>Distinctness, Uniformity, and Stability Test</u></b>  <i>(The participants will be divided into 4 groups that will represent the 4 major Crops in PVP - Rice, Corn, Vegetables, and Field Legumes)</i></p> <ul style="list-style-type: none"> <li>▪ The Test Guidelines ..... 8:00 am - 12:00 nn</li> <li><b><u>Lunch Break</u></b> ..... 12:00 nn - 1:00 pm</li> <li>▪ DUS field evaluation and photo documentation ..... 1:00 pm - 5:00 pm       <ul style="list-style-type: none"> <li>▪ Seedling, Vegetative, Reproductive and Harvesting Stage</li> </ul> </li> </ul>	
3 <sup>rd</sup> Day	<p><b><u>Distinctness, Uniformity, and Stability Test</u></b>  <i>(The participants will be divided into 4 groups that will represent the 4 major Crops in PVP - Rice, Corn, Vegetables, and Field Legumes)</i></p> <ul style="list-style-type: none"> <li>▪ DUS field evaluation and photo documentation ..... 8:00 am - 12:00 nn       <ul style="list-style-type: none"> <li>▪ Seedling, Vegetative, Reproductive and Harvesting Stage</li> </ul> </li> <li><b><u>Lunch Break</u></b> ..... 12:00 nn - 1:00 pm</li> <li>▪ Continuation of DUS field evaluation and photo documentation ..... 1:00 pm - 5:00 pm</li> </ul>	

DAY	TOPICS AND ACTIVITIES	TIME
4 <sup>th</sup> Day	<b><u>DUS Photo and Data Report</u></b>	
	▪ Preparation of DUS Photo and Data Report .....	8:00 am - 12:00 nn
	<b><u>Lunch Break</u></b> .....	12:00 nn - 1:00 pm
	▪ Presentation of DUS Photo and Data Report .....	1:00 pm - 4:00 pm
	▪ Open Forum .....	4:00 pm - 5:00 pm
5 <sup>th</sup> Day	<b><u>Field Visit</u></b>	
	▪ Field visit on different Plant Breeding Institution and Research Stations	8:00 am - 4:00 pm
	▪ International Rice Research Institute (IRRI) - Los Baños, Laguna	
	▪ Institute of Plant Breeding (IPB) – Los Baños, Laguna	
	<b><u>Closing ceremony of the five-day training</u></b> .....	4:00 pm - 5:00 pm

## 4-7. Budget:

Item	Unit	Qty	Cost (₱)	Total (₱)
<b>Resource Person</b>				
<i>Honorarium</i>				
Day 1	PAX	1	1,000.00/hr (*2 hrs)	2,000.00
Day 2		4	1,000.00/hr (*8hrs)	32,000.00
Day 3		4	1,000.00/hr (*8hrs)	32,000.00
Day 4		4	1,000.00/hr (*8hrs)	32,000.00
<i>Token</i>	pcs.	5	1,000.00	5,000.00
<b>Materials &amp; Supplies</b>				
Digital Caliper (0-150mm/0-6in)	pcs.	5	13,000.00	65,000.00
Measuring Tape (150cm)	pcs.	20	200.00	4,000.00
Measuring Tape (500cm)	pcs.	10	500.00	5,000.00
<b>Food</b>	PAX	50	800.00/day (*5days)	200,000.00
<b>Transportation</b>				
Bus Rental	no.	1	16,000.00	16,000.00
<b>Incidental</b>			10,000.00	10,000.00
<b>Grand Total</b>				<b>403,000.00</b>

**Note:** Budget to be borne by donor will be consulted first to Japan / JATAFF

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