



## Current situation of seed multiplication and distribution in the Philippines

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**Table 1. Palay production, area harvested, and yield per hectare across ecosystems, by semester from 2005 - 2010.**

Items	2005	2006	2007	2008	2009	2010
<b>Production (MT)</b>						
Total	14.60	15.11	16.24	16.82	16.26	15.77
January -June	6.03	6.54	6.73	7.12	7.38	6.62
July - December	8.57	8.79	9.51	9.69	8.88	9.15
<b>Area harvested (million ha)</b>						
Total	4.07	4.16	4.27	4.73	4.53	4.35
January - June	1.68	1.77	1.80	1.88	1.95	1.82
July – December	2.39	2.39	2.47	2.85	2.59	2.54
<b>Yield per ha (mt)</b>						
Total	3.59	3.69	3.79	3.77	3.61	3.62
January - June	3.60	3.70	3.73	3.79	3.79	3.64
July – December	3.58	3.68	3.85	3.75	3.43	3.61

**Table 2. Production of key Foundation varieties from 2010 to 2012 DS.**

Variety	Production of key Foundation varieties (000 t)			
	2010	2011	2012	Average
PSB Rc10	5.46	2.00	2.04	3.17
PSB Rc18	3.94	17.00	3.13	8.02
PSB Rc82	1.26	15.00	2.42	6.23
NSIC Rc158	8.23	1.00	1.00	3.41
NSIC Rc160	5.24	21.00	2.11	9.45
NSIC Rc216	10.02	15.00	6.57	10.53
NSIC Rc222		10.00	7.60	8.80

Table 3. Production of key Registered varieties from 2010 to 2012 DS.

Variety	Production of key Registered varieties (000 t)			
	2010	2011	2012	Average
NSIC Rc122	12.61	11.00	23.24	15.62
NSIC Rc160	8.88	9.00	8.26	8.71
NSIC Rc214	16.84	3.00	2.39	7.41
NSIC Rc216	0.98	27.00	14.09	14.02
NSIC Rc218	5.15	5.00	3.00	4.38
NSIC Rc222	7.13	11.00	17.96	12.03
PSB Rc10	19.54	12.00	5.24	12.26
PSB Rc18	13.35	8.00	19.86	13.74
PSB Rc82	25.03	17.00	22.55	21.53

Table 4. Production of key Certified varieties from 2007 to 2011.

Variety	Production of key Certified varieties * (000 t)					
	2007	2008	2009	2010	2011	Average
PSB Rc18	400.0	320.0	360.0	320.0	200.0	320.0
PSB Rc82	400.0	400.0	380.0	320.0	200.0	364.0
NSIC Rc122	133.3	320.0	280.0	200.0	120.0	210.7
NSIC Rc128	133.3	240.0	240.0	200.0	120.0	234.7
NSIC Rc130	133.3					26.7
NSIC Rc146		160.0	220.0	160.0		108.0
NSIC Rc160						
NSIC Rc214					40.0	8.0
NSIC Rc216				200.0	160.0	72.0
NSIC Rc222					160.0	32.0

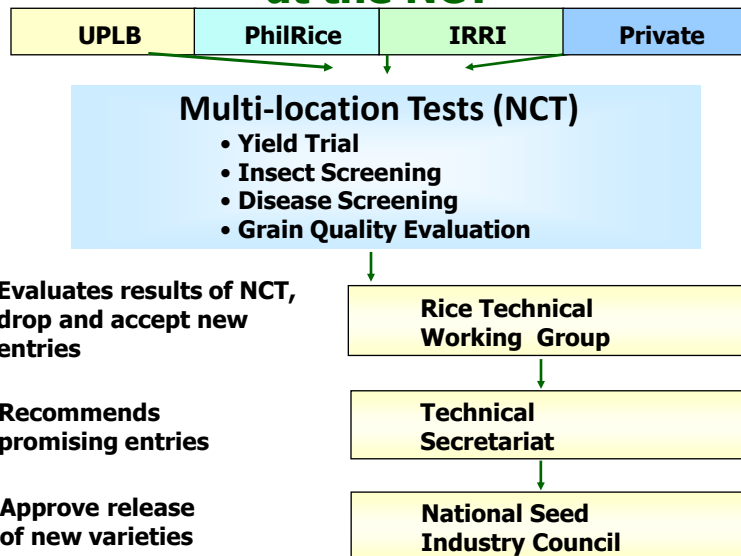
\* Data obtained from only one cooperative, DAMSEPCO.

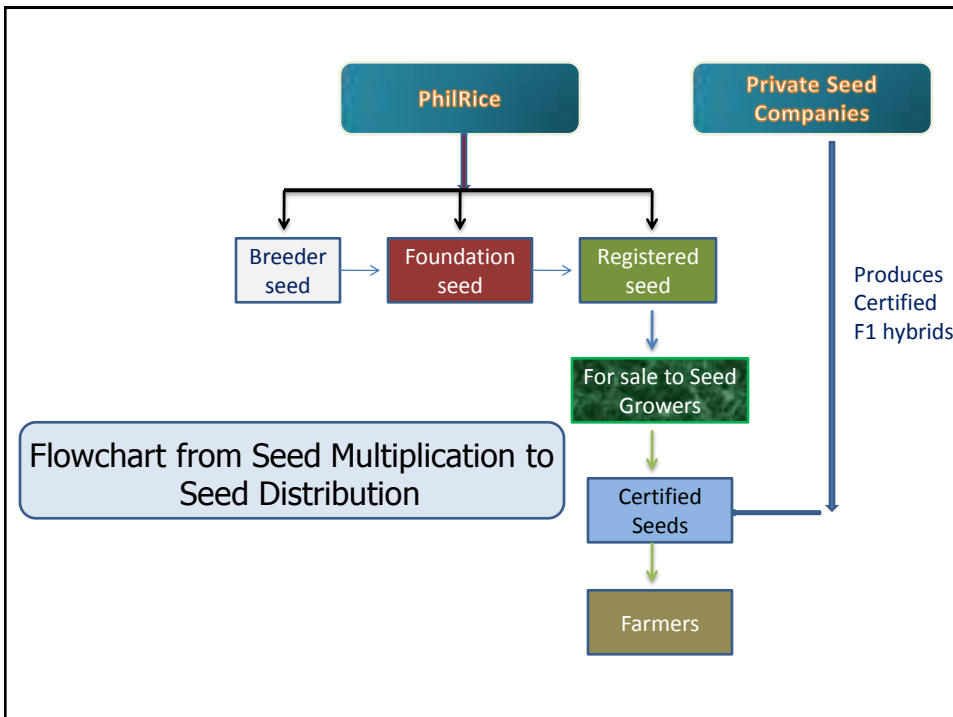
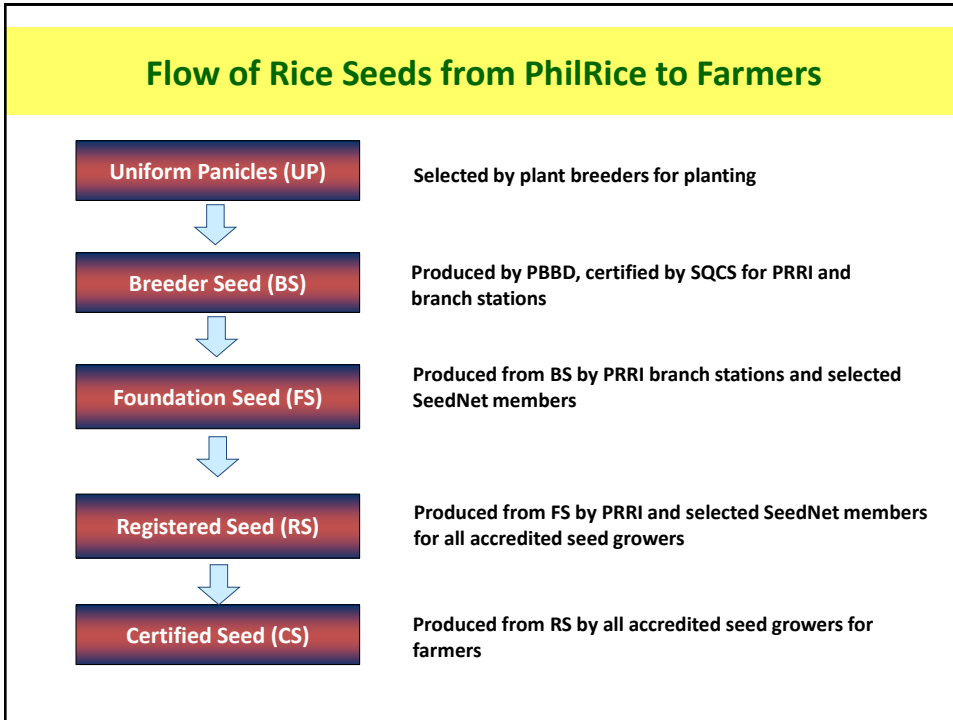
## Summary of Rice Farming in the Philippines

Production of certified seeds of salient varieties

Variety	Amount (kg)	Future target (t)	Target Year
Upland Rice			
Climate Change Ready Seeds			
TGMS F1 Hybrids	1,000,000/ season	3,000	WS 2012; 2013

## Process of Varietal Release at the NCT





## Government Organization Chart

Government Agencies Involved	Functions/Roles
University of the Philippines	Breeding
Philippine Rice Research Institute	Breeding; Multiplication; Distribution
Bureau of Plant Industry	Certification
Regional Integrated Agricultural Research Centers (RIARCS)	Multiplication of FS to RS

### Luzon (7 regions)



PhilRice – CES



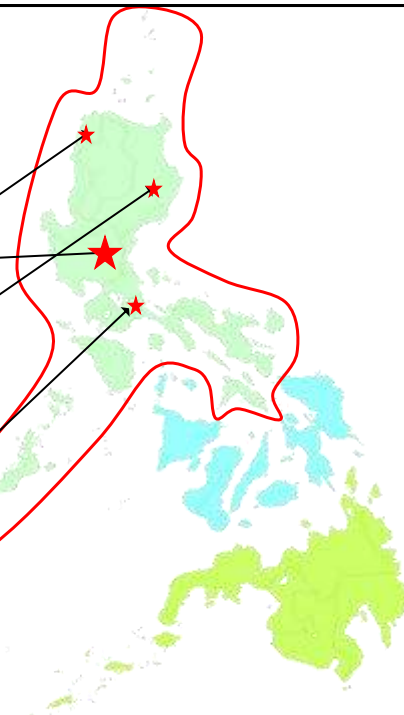
PhilRice – Isabela



PhilRice – Batac



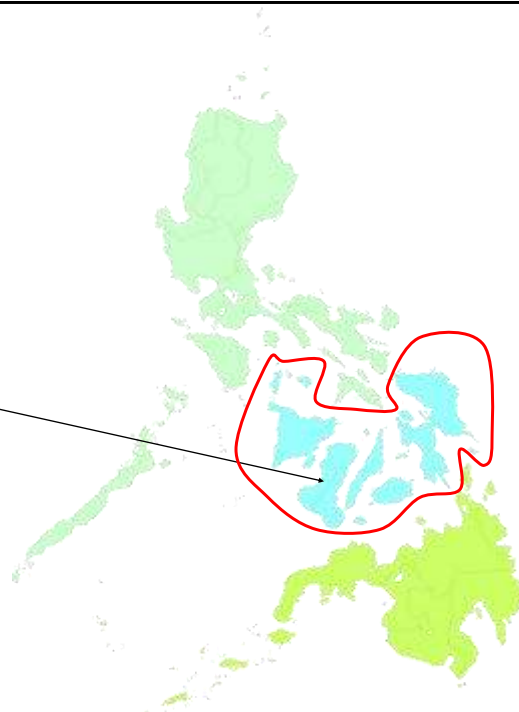
PhilRice – Los Baños



### Visayas (3 regions)



PhilRice - Negros



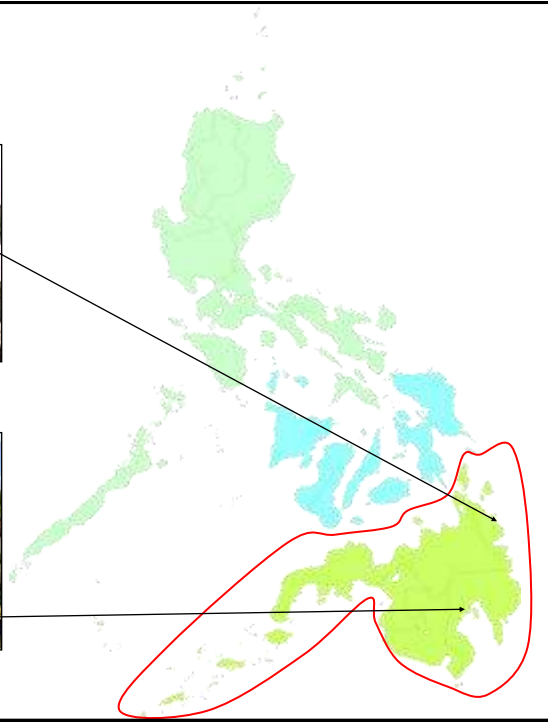
### Mindanao (6 regions)



PhilRice - Agusan



PhilRice - Midsayap



## Education and Training

Agency	PhD/MS	BS	Vocational	High School	Others	Total
University	5	3		4	2	14
PhilRice	5	9	5	13	12	44
BPI –NSQCS *	2	5		5	5	17
RIARCS	4	3	4	4	5	20

\* Manpower in one regional certifying BPI-NSQCS

## Education and Training

Staff Category	Types of Training
Researchers	Season long training; Quality assurance training; IMS
Technicians	Week long rice production course
Laborer	Machine operation; 5-day rice production course
Administrative staff	Week long rice production course



## Role of the Private Sector

1. **Private Seed Companies** – such as Bayer, Pioneer, Syngenta , SL Agritech, Bioseed; Monsanto, DevGen, and others; these companies are engaged in breeding **hybrid rice varieties and in commercial hybrid rice seed production**
2. **BMD Corporation** – Filipino owned seed company engaged in breeding **hybrid rice and also engaged in both inbred and hybrid seed production**
3. **Cooperatives/Seed Growers** - these are entities accredited to produce certified seeds; accreditation valid in 3 yrs; undergo re- tooling for renewal of accreditation

## Price of Seeds

Seed Class	Government Ceiling Price per kg (USD) *
Breeder Seeds	Not for sale
Foundation Seeds	1.90
Registered Seeds	0.95
Certified Seeds	0.71
Good Seeds	0.60
F1 Hybrid Seeds	83.33

***End of Presentation***

