



# UGNAY PALAY

THE 35<sup>th</sup> NATIONAL RICE R4D CONFERENCE

“Better Rice Communities”

November 29 to December 1, 2023 • DA-PhilRice CES



# MATATAG

## Resiliency and Stability in Climate Change Adaptation

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**DR. JOHN C. DE LEON**

DA-PhilRice



**UGNAY PALAY**



Better Rice Communities

# Panel Discussants

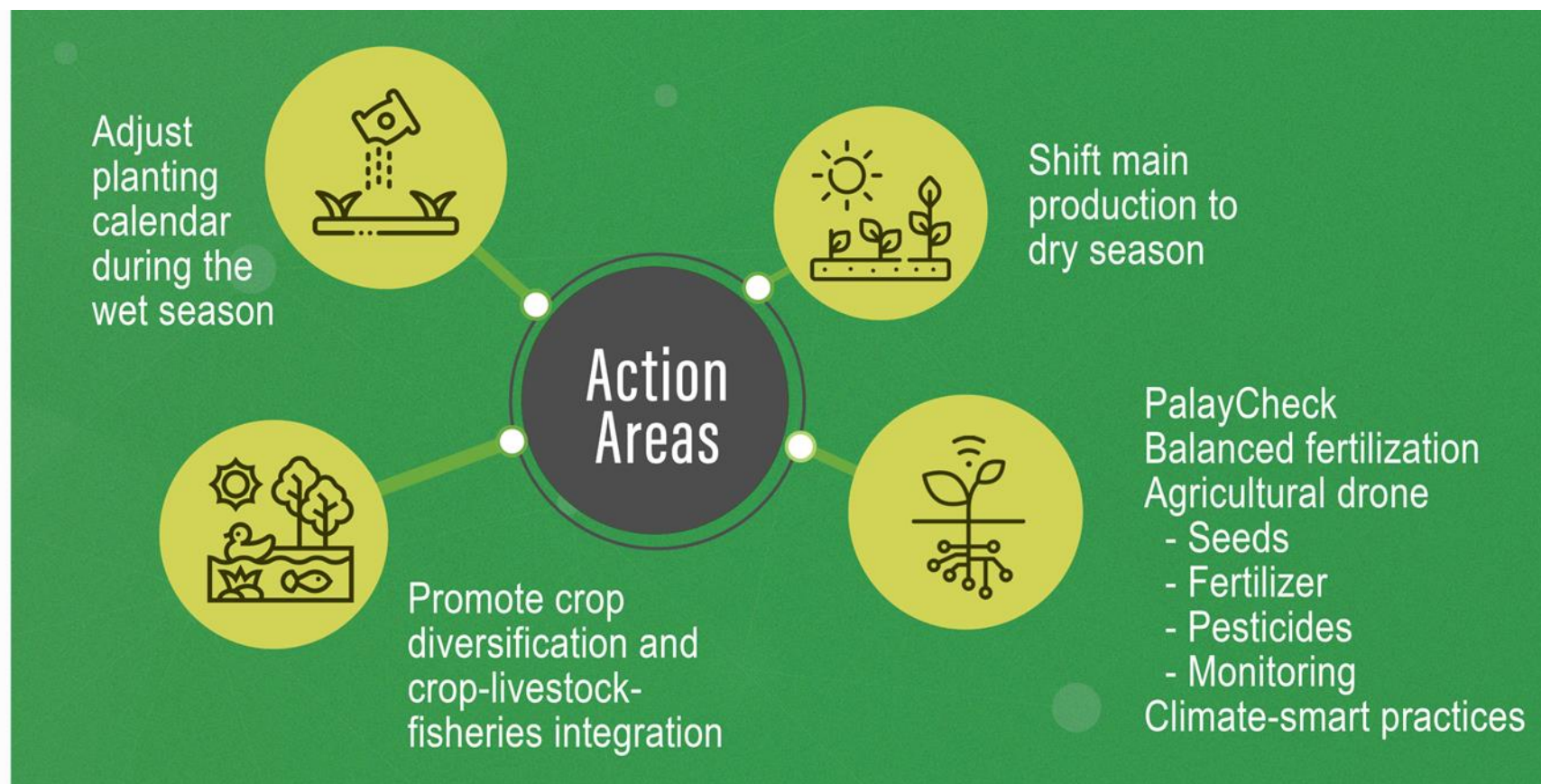








## Objectives

Optimize yield,  
reduce risk  
and loss, and  
increase  
resilience



## Addressing rice production constraints and optimizing rice yields

Farming Conditions	 Wet or Adverse Season			 Dry or Favorable Season		
	Hybrid Rice	Certified Seeds	Good Seeds	Hybrid Rice	Certified Seeds	Good Seeds
▶ Maximum Attainable yield (limited by climate and variety)	9.20	8.00	7.20	11.50	10.00	9.00
▶ Yield with best nutrient and cultural mgt practices (limited by lodging)	7.36	6.40	5.76	9.20	8.00	7.20
▶ Yield when there are macronutrient (NPK) and water problems	5.52	4.80	4.32	6.90	6.00	5.40
▶ Yield when there are micronutrient, pests, and crop mgt problems (crop establishment, land preparation)	3.68	3.20	2.88	4.60	4.00	3.60

### NOTE:

- Maximum attainable yield is based on inherent weather, hydrological (i.e. flooding), and soil (texture) conditions in the area. It fluctuates from year to year by  $\pm 10\%$ .
- There is 15% increase in using hybrid seeds compared to inbred certified seeds.
- There is 10% decrease by using good seeds compared to inbred certified seeds.





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