

QUARTERLY RESEARCH PROGRESS REPORT
QUARTER: 3rd

Research Title: OneRicePH: Accelerating Genetic Gain for Improved Productivity and Nutrition for Priority Market Segments (2024)

I. Project Objectives:

1. To evaluate and select promising early and mid-maturing rice lines developed from IRRI, PhilRice, and UPLB that are high-yielding, climate-resilient, and adaptable to local conditions.
2. To recommend promising rice lines as entries to the National Cooperative Testing (NCT) Nationwide.
3. To facilitate the submission and recommendation of high-yielding, climate-resilient, and acceptable eating quality rice lines to the National Seed Industry Council for variety approval.
4. To assess the development of product concepts for target rice market segments and establishment of the national breeding network

II. Relevance to VSU & College's Thrust and Priorities:

The research tie-up between VSU and IRRI is evidence of collaboration on an international scope through this project entitled "OneRicePH: Development of Product Concepts for Target Rice Market Segments and Establishment of the National Breeding Network". This project dovetailed on a unified collaborative breeding network with the International Rice Research Institute (IRRI), the Philippine Rice Research Center (PhilRice), and the University of the Philippines (UP), Los Baños, Laguna, Philippines. They jointly embarked on the development of breeding rice lines for testing nationwide, for NCT submission and testing, and submission to the National Seed Industry Council (NSIC) for varietal approval. These breeding lines are high-yielding, climate-resilient, best-eating quality, and adaptable to the local conditions that are nowadays aggravated by the ill effects of climate change.

This project responds to the priority thrust of reducing poverty and improving the livelihood of rice farmers by enhancing their rice productivity despite exposure to climate change situations. This also aims to achieve food security, improve nutrition, and promote sustainable agriculture throughout the country.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

Established two trials under stage 1 for site validation and two trials also for stage 2 during the wet season (June to November cropping) in both irrigated and rainfed ecosystems that started the first two weeks of July 2024 for stage 1 trials, while stage 2 trials started at the third week of August 2024. Both trials were conducted at the experimental fields of the Visayas State University main campus. The

