



QUARTERLY RESEARCH PROGRESS REPORT
4th Quarter (October – December 2022)

Research Title: VSU-IRRI Collaborative Project on Genetic Evaluation of Pre-Variety Breeding Rice Lines Through the ASEAN RiceNet

I. Project/Study Objectives:

1. Evaluate and select promising rice lines that are high yielding and adaptable to local conditions
2. Submit promising rice lines as entries to the National Cooperative Testing for Rice
3. Recommend high-yielding, climate-resilient, and with acceptable eating quality rice varieties to the National Seed Industry Council

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

The research tie-up between VSU and IRRI is a testimony of collaboration on an international scope through this project on Genetic Evaluation of Pre-Variety Breeding of Rice Lines involving the ASEAN Rice Net. This project responds to the priority thrust of reducing poverty and improving the livelihood of Filipinos and other ASEAN neighbors. This also aims to achieve food security, improve nutrition, and promote sustainable agriculture in the Philippines and the neighboring ASEAN countries.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter:

Conducted two rice trials regarding preliminary yield trial and advanced yield trial consisting of 52 and 36 rice lines as entries, respectively during the wet cropping season.

B. Highlights of accomplishments:

The VSU-IRRI project delved into the Genetic Evaluation of Pre-Variety Breeding of Rice Lines involving the ASEAN Rice Net. This undertaking has two studies namely; preliminary yield trial and advanced yield trial which were conducted simultaneously during both the dry season (Nov. - April) and wet season (May-Oct.) under the VSU conditions. The VSU researchers adopted all the protocols in line with the proper establishment of the project. The most important aspect of the project implementation delivered by the VSU research team was the submission of all requirements to the collaborating entity, IRRI. These include the agronomic characteristics, yield, and yield component parameters and other pertinent data including meteorological parameters and the adaptability of the different rice lines under the said local conditions.

Relative to this fourth quarter's accomplishment, staggered harvesting was done based on the maturity of the different rice lines, in which the very early maturing line