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Factors affecting the quality of rice seeds produced in selected seed farms in Talavera, Nueva Ecija in the Philippines

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Abstract:

The study was conducted to describe the agricultural practices and determine the different factors that contribute to high-quality seeds of rice farmers in Talavera, Nueva Ecija. Five seed farms in the different barangays of Talavera with the corresponding seed producers were selected for the study. Laboratory analyses were conducted to determine the quality attributes of rice seeds. Collection of seed samples from each seed producer weighing a kilo were collected for the laboratory analysis. The data from the collected seed samples were analyzed in Completely Randomized Design (CRD) and further analyzed using the STAR: Statistical Tool for Agricultural Research and International Rice Research Institute (IRRI). Results of the study showed that the seed quality components of rice seed producers such as varietal purity, weed seed, inert matter, and other seed variety were found to be of high quality. The percentage germination and moisture content were found varied from one cultivator to another. However, such quality variations were within the seed standards set by the Bureau of Plant Industry. It is recommended that seed producers keep up the standard of rice seed quality for agricultural production towards profitability and sustainability.

Keywords:
Seed farms, Agriculture, Rice production, Seed quality, Seed producers.

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