

THE ~~EFFECT~~ OF INORGANIC NITROGEN FERTILIZER
IN COMPLEMENTATION WITH INDIGENOUS
ORGANIC FERTILIZER ON THE GROWTH
AND YIELD OF IR-66

A Thesis

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ABSTRACT

VIDA, BELEN P., Don Severino Agricultural College, Indang, Cavite, April 1989. The Effect of Inorganic Nitrogen Fertilizer in Complementation with Indigenous Organic Fertilizer on the Growth and Yield of IR-66. Under the supervision of Mr. Celso N. Nuestro, Adviser.

The study was conducted in a 210 square-meter lot at Palangue, Naic, Cavite from October 29, 1988 to February 4, 1989. This study aimed to compare the effects of applying organic with inorganic fertilizer and to formulate organic and inorganic nitrogen source combination that will increase rice grain yield.

A Randomized Complete Block Design was used in the experiment. The treatment combinations are: T_1 - control, T_2 - 120 kilograms of complete fertilizer per hectare, T_3 - 120 kilograms of complete fertilizer combined with one ton of cacuate leaves per hectare, T_4 - 120 kilograms of complete fertilizer combined with one ton of chicken manure per hectare, T_5 - one ton of cacuate leaves combined with one ton of chicken manure per hectare.

The application of 120 kilograms of complete fertilizer combined with one ton of cacuate leaves per hectare brought about the tallest plants, the greatest number of tillers, panicles and the highest yield in kilograms per hectare than plants fertilized with the combination of other fertilizers and control plants.

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