

RESPONSE OF IR-64 TO DIFFERENT
FOLIAR FERTILIZER

A Thesis

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The study was conducted in a 372 square meter field in Palangue II, Naic, Cavite from July to October 1988. The study aims to investigate the growth and yield of IR-64 with the application of foliar fertilizer and to identify which foliar spray fertilizer increase grain yield.

A Randomized Complete Block Design (RCBD) was used in the study. It was composed of four treatments and four replications. The treatments used were as follows: Treatment 1 (untreated), Treatment 2 (albatros, 1 tablespoonful per liter of water), Treatment 3 (Miracle booster, 2-3 tablespoonful per gallon of water) and Treatment 4 (ethrel, 2-3 tablespoonful per 16 liters of water), respectively.

The findings showed that application of miracle booster (Treatment 3) differ significantly from other treatments in terms of number of filled grains per panicle, grain yield, hundred-grain weight and computed yield per hectare. However, Treatment 4 (ethrel) produced the highest number of panicles per hill. The high panicle is a desirable parameter since this could compensate for missing hills, although excessive number of panicles may cause lodging and poor filling of grains because of intensive mutual shading.

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