NESPONS OF BUILDING MARKETS OF MARKETS. APPLIED AT INSPERSANT RAVES.

SPECIAL PROBLEM

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RESPONSE OF IR-42 RICE VARIETY TO MACHETE APPLIED AT DIFFERENT RATES

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ABSTRACT

The study "Response of IR-42 Rice Variety to Machete Applied at Different Rates" was conducted in Palangue, Naic, Cavite from November 1980 to February 1981. The study sought to find the right rate of applying machete that would not inpair the growth of rice but would best control weeds and will give highest yield of IR-42.

An area of 200 square meter field was used in this study. The area was plowed and harrowed twice with an interval of one week. One week before transplanting, the field was submerged with water to hasten the decomposition of organic matter and prevent the weeds seeds to germinate. The field was laid out in a randomized complete block design with five treatments and four replications.

The different treatments used were: Treatment 1 (2.0 kg. a.i./ha.), Treatment 2 (1.25 kg. a.i./ha.),

Treatment 3 (1.5 kg. a.i./ha.), Treatment 4 (1.0 kg. a.i./ha.)

and Treatment 5 (Control).

The findings revealed that plants applied with 1.5 kg. ai/ha. of machete gave the best result. It produced the tallest plants, most number of productive tillers, and longest panicles. The highest computed yield per hectare was also observed.

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by

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INTRODUCTION

Rice (Oryza sativa, Linn.) belonging to the Family
Graminae ranks first as an agricultural crop in the country.

Rice industry plays an important role in the development of the country's economy. This is indicated by million of pesos derived by the government in terms of revenues. Majority of the people in the Philippines depend upon it for their living.

Weeds are one of the most found enemies of the crop growers. They act as host for plant diseases and insect pest, clog irrigation canal, making water management inefficient, making land preparation more expensive and