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APPLICATION OF DIFFERENT KINDS OF INORGANIC FERTILIZERS IN TOMATO UNDER THE WET SEASON CULTURE

An Undergraduate Thesis

Presented to the Faculty of the

Don Severino Agricultural College

Indang, Cavite

In Partial Fulfillment of the Requirements

for Graduation with the Degree of

Bachelor of Science in Agriculture

(Major in Agronomy)



Application of different kinds of inorganic fertilizers in tomato under the 635.642 Av5 1983

Delia C. Avilla March, 1983

ABSTRACT

The study "Application of Different Kinds of Inorganic Fertilizers In Tomato Under the Wet Season Culture"
was conducted primarily to determine the effects of different
inorganic fertilizers on the growth and yield of tomato.

This was conducted at the experimental field of the Don Severino Agricultural College, Indang, Cavite from July 13 to November 15, 1982. A randomized complete block design with four treatments and four replications was used in this study.

Different kinds of inorganic fertilizers were applied basally at the time of transplanting. The different fertilizers used were: Ammonium Sulfate, Ammonium Prosphite and Complete Fertilizer.

based on the results of the study, rapid growth was observed in the fertilized plants (T₁, T₂ and T₃), and sturted growth and yellowing of leaves in the unfertilized plants (T₁). Occurrence of heavy typhoons are not affect the growth of the contact which the west season. The humber of marketable tomath fruits per plant with the state of integrated the state of integrated the state of the growth of the state of the growth of the state o

The heaviest marketable fruits were obtained from plants fertilized with 430 kilograms of 14-14-14 (T_3) and 450 kilograms of 16-20-0 per hectare (T_2). There were no significant differences among treatments with regard to the average weight of non-marketable fruits per plant and the average weight of tomato plants at harvesting.

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by

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1/An Undergraduate Thesis presented to the faculty of the Don Severino Agricultural College, Indang, Cavite, in partial fulfillment of the requirements for graduation with the degree of Bachelor of Science in Agriculture (BSA), major in Agronomy. Contribution No. P.S. 83012-009. Prepared in the Department of Plant Science under the direction of Dr. Eusebio V. Alava, Sr.

INTRODUCTION

Tomato (Lycopersicum esculentum, Mill) is an herbaceous plant which belongs to family Solanaceae. It is considered one of the most popular fruit vegetables grown in the garden. It is an indispensable ingredient in every Filipino kitchen, and a cheap source of Vitamin C. The demand for this vegetable is high throughout the year. However, the supply of vegetable during rainy season could not meet the demand for tomatoes since the production is limited by high rainfall and low light intensity. But with the development of rainy season tomato varieties, farmers can plant more throughout the year.