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RESPONSE OF CUCUMBER TO
DIFFERENT ORGANIC
FERTILIZERS

RESEARCH

Agri. Science Curriculum

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DON SEVERINO AGRICULTURAL COLLEGE

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RESPONSE OF CUCUMBER TO
DIFFERENT ORGANIC
FERTILIZERS

A Research Study Presented
to the Faculty of the Agricultural Science Department of the
Don Severino Agricultural College
Indang, Cavite

In Partial Fulfillment of the
Requirements in Applied Research IV



Response of cucumber to different organic
fertilizers
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by

ROBERTO P. ROSARDA

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ABSTRACT

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Research Title : "RESPONSE OF CUCUMBER TO DIFFERENT
ORGANIC FERTILIZERS"
Research Adviser : Mr. Carlos N. Rodil

This study entitled "Response of Cucumber to Different Organic Fertilizers" was conducted in Alulod, Indang, Cavite from May to August 1989 to know the effects of organic fertilizer on the growth and yield of cucumber and to determine which treatment would exhibit the best results.

The different treatments used were T_1 - chicken manure, T_2 - hog manure, T_3 - cow manure and T_4 - control (no fertilizers applied).

The 200-square-meter field was prepared for this experiment until the good tilth of the soil was obtained. The entire field was divided into three blocks (replicates) and these blocks were further subdivided into four treatments to make twelve plots. The Randomized Complete Block Design (RCBD) was used. One-thousand (1000) grams of different organic fertilizers were applied basally on the assigned plots.

The results of this study revealed that organic fertilizers had significant effects on the growth and yield of cucumber in all the treatments used. Treatment 1 (chicken manure) was found to be the best. Plants treated with chicken manure formed female flowers earlier, produced more number of fruits, produced longer and heavier

fruits than the plants with the other treatments.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL SKETCH - - - - -	iii
ACKNOWLEDGMENT - - - - -	iv
ABSTRACT - - - - -	vi
LIST OF TABLES - - - - -	x
LIST OF FIGURES - - - - -	xi
LIST OF PLATES - - - - -	xii
INTRODUCTION - - - - -	1
Importance of the Study - - - - -	1
Statement of the Problem - - - - -	2
Objectives of the Study - - - - -	3
Time and Place of the Study - - - - -	3
REVIEW OF RELATED LITERATURE - - - - -	4
Importance of Organic Fertilizers - - - - -	4
Effects of Organic Fertilizers to Cucumber - - - - -	4
Composition of Organic Fertilizers - - - - -	4
MATERIALS AND METHODS - - - - -	6
Materials - - - - -	6
Methods - - - - -	6
Land preparation - - - - -	6
Experimental field lay-out - - - - -	6
Preparation of manures - - - - -	7
Procurement of seeds - - - - -	7
Fertilization - - - - -	7

	Page
Planting - - - - -	7
Watering - - - - -	7
Thinning - - - - -	7
Weeding and cultivation - - - - -	7
Control of pests and diseases - - - - -	7
Harvesting and data gathering - - - - -	7
DISCUSSION OF RESULTS - - - - -	9
General Observation of the Plants from Planting to Harvesting - - - - -	9
Pest and Disease Occurrence - - - - -	9
Average Number of Days from Planting to Fruit Set - - - - -	10
Average Number of Fruits per Plant - - - - -	12
Average Length of Fruits per Plant - - - - -	14
Average Weight of Fruits per Plant - - - - -	16
SUMMARY, CONCLUSION AND RECOMMENDATION - - - - -	18
Summary - - - - -	18
Conclusion - - - - -	18
Recommendation - - - - -	19
BIBLIOGRAPHY - - - - -	20
APPENDICES - - - - -	23

LIST OF TABLES

Table		Page
1	Average Number of Days From Planting to Fruit Set - - - - -	11
2	Average Number of Fruits per Plant - - - - -	13
3	Average Length of Fruits per Plant (in centimeters) - - - - -	15
4	Average Weight of Fruits per Plant (in grams) - - - - -	17

LIST OF FIGURES

Field Lay-out - - - - -	27
-------------------------	----

LIST OF PLATES

Plates		Page
1	General View of the Experiment - - - -	29
2	Plates Showing the Author Measuring the Weights of the Fruits - - - - -	30
3	Plates Showing the Author Measuring the Lengths of the Fruits - - - - -	31
4	Samples of Fruits Taken From the Different Treatments - - - - -	32

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A Research Study presented to the Faculty of Agricultural Science Department of the Don Severino Agricultural College in partial fulfillment of the requirements in Applied Research IV. Prepared under the guidance and advisorship of Mr. Carlos N. Rodil. Contribution No.

INTRODUCTION

Importance of the Study

Cucumber, a vine plant, is universally known as Cucumis sativus, Linn. This annual fruit is probably a native of South Central Asia and has been under cultivation for several thousand years.

Cucumber is one of the climbing herbaceous fruits belonging to the family Cucurbitaceae. The stems are strongly angled with male flowers arising in the leaf axils. The vines are spreading with triangular-palmate leaves fourteen to eighteen centimeters long. Locally known as "Pipino", it is mostly found in small areas, mainly for their home consumption purposes. The fruit, although not exceedingly high in nutritive value, plays