

✓
RESOURCE PRODUCTIVITY ESTIMATES FOR PEANUT FARMS
IN SELECTED TOWNS OF CAVITE

COLLEGE OF AGRICULTURE, FORESTRY, ENVIRONMENT
AND NATURAL RESOURCES

Thesis of: MYLENE H. MENDOZA

Undergraduate Thesis
Submitted to the Faculty of the
Cavite State University
Indang, Cavite

APPROVED

MELIA C. CRASINO
Advisor

Date

MARIA A. ARSANDO
Technical Editor

Date

In partial fulfillment
of the requirements for the degree of
Bachelor of Science in Agriculture
(Major in Agricultural Economics)



00002660

Resource productivity estimates of peanut
farms in selected towns of Cavite
633.368 M52 2000
T-2034

MYLENE HERRERA MENDOZA
March 2000

ABSTRACT

MENDOZA, MYLENE H. Cavite State University, Indang, Cavite. March 2000.
"Resource Productivity Estimates For Peanut Farms in Selected Towns of Cavite".
Adviser: Dr. Nelia C. Cresino.

This study was conducted primarily to evaluate the resource productivity estimates for peanut farms in Cavite. Specifically, it aimed to: (1) describe the socio-economic characteristics of peanut farmers; (2) determine the level of resources use and productivity of small and large farms; (3) assess the efficiency of resource use; and (4) identify problems encountered by the peanut farmers.

Small farms constituted 56 percent of all farms and had an average of 0.59 hectare. Large farms had an average of 1.51 hectares. Most of the farmers operate relatively small farms.

Small farms produced higher yield than large farms, in per hectare.

Production function estimates showed that the variable inputs such as size of the farm and man-labor significantly affect the yield of the farms in different farm groups. However, man-labor was found out to be not significant at five percent level in the all farm groups.

Peanut farming in Cavite showed increasing returns to scale for all farms.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
ABSTRACT	vi
LIST OF TABLES	ix
LIST OF FIGURES	x
LIST OF APPENDIX	xi
INTRODUCTION	1
Statement of the Problem	2
Objectives of the Study	3
Importance of the Study	3
Definition of Terms	3
REVIEW OF RELATED LITERATURE	5
THEORETICAL AND CONCEPTUAL FRAMEWORK	6
MATERIALS AND METHODS	9
Time and Place of the Study	9
Sampling Procedure	9
Collection of Data	9
Methods of Analysis	10
Hypothesis	12
Level of Significance	12

	Page
Scope and Limitation of the Study	12
RESULTS AND DISCUSSION	13
Socio-economic Characteristics of the Peanut Farmers	13
Information about the Farm	15
Resource Use by Farm Size	16
Area Planted and Yield of Peanut by Farm Size	17
Comparison of Resource Use And Yield Under Different Farm Sizes	18
Resource Productivity Analysis	19
Resource Productivity Estimates for Small Farms	20
Resource Productivity Estimates for Large Farms	21
Resource Productivity Estimates for all Farms	22
Returns to Scale	23
Efficiency of Resources Use in Peanut Farm	24
Problems Encountered by the Peanut Farmers	25
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	26
Summary	26
Conclusions	27
Recommendations	27
LITERATURE CITED	28
APPENDIX	29