

**FINANCIAL ANALYSIS OF MULTI-CROPPING SYSTEM  
IN SELECTED TOWNS OF UPLAND CAVITE**

**THESIS**

**JOHANNA D. ROMEN**

**College of Economics, Management  
and Development Studies**

**CAVITE STATE UNIVERSITY**

**Indang, Cavite**

Cavite State University (Main Library)



**T5856**

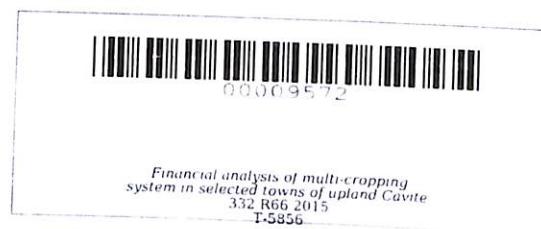
THESIS/SP 332 R66 2015

**April 2015**

✓  
**FINANCIAL ANALYSIS OF MULTIPLE-CROPPING SYSTEM  
IN SELECTED TOWNS OF UPLAND CAVITE**

Undergraduate Thesis  
Submitted to the Faculty of the  
College of Economics, Management, and Development Studies  
Cavite State University  
Indang, Cavite

In partial fulfilment  
of the requirements for the degree  
Bachelor of Science in Economics



**JOHANNA D. ROMEN**  
April 2015

## ABSTRACT

**ROMEN, JOHANNA D. Financial Analysis of Multiple-Cropping System in Selected Towns of Upland Cavite.** Bachelor of Science in Economics major in Agricultural Economics. Cavite State University, Indang, Cavite. April 2015. Adviser: Dr. Elizabeth E. Polinga.

The study was conducted to describe the financial status of multi-cropping system in selected towns of upland Cavite. It also aimed to: 1) establish the socio-economic profile of the participants; 2) establish the characteristics of the multiple-cropping system; 3) analyze the financial status of the farm; and 4) identify the problems encountered by the farmers.

Primary data were used in this study using a survey questionnaire. The list of participants was obtained from the office of the Department of Agriculture (DA) in every municipality covered in the study. The researcher selected five towns in upland Cavite namely: Alfonso, Indang, Maragondon, Silang and Tagaytay. Farms with an area of at least one hectare and at least five crops were selected from each municipality.

The result shows that the farmers covered has different crops planted and has unique features. Three (3) farmers were dragon-fruit based; two farmers were pineapple-based; another two farmers were banana based; one farmer was ampalaya-based; another one farmer was coffee-based; one farmer was lettuce-based; and one was red hot pepper-based.

The 12 said participants have different crops planted in their farm; six farms have eight different crops planted; and six farms have 4 to 10 different crops planted. The average size of the farm used was 3 ha.



The farmers encountered problems like: insufficient supply of water; followed by high cost of inputs; high incidence of pest and diseases; insufficient supply of good quality seed; high prices of seedlings; inadequate irrigation facilities; poor cultural practices; flood during rainy season; limited knowledge of proper post-harvest handling methods; and limited access to credit.

On the other hand, in terms of marketing, the common problems encountered were: number of competitors; price competition; high transportation cost; market positioning; and lack of vehicles during the transportation.

## TABLE OF CONTENTS

	Page
<b>BIOGRAPHICAL DATA .....</b>	iii
<b>ACKNOWLEDGMENT .....</b>	iv
<b>ABSTRACT .....</b>	vii
<b>LIST OF APPENDICES .....</b>	ix
<b>LIST OF FIGURES .....</b>	x
<b>INTRODUCTION .....</b>	
Statement of the Problem .....	2
Objectives of the Study .....	3
Significance of the Study .....	4
Time and Place of the Study.....	5
Scope and Limitations of the Study .....	5
Definition of Terms .....	5
<b>REVIEW OF RELATED LITERATURE .....</b>	7
<b>METHODOLOGY</b>	
Research Design .....	12
Participants of the Study .....	12

	<b>Page</b>
Sources of Data .....	12
Sampling Technique .....	13
Data Gathering Procedure .....	14
Research Instruments.....	14
Statistical Treatment of Data .....	14
<b>RESULTS AND DISCUSSION.....</b>	
Socio-economic Characteristics of the farmers.....	16
Characteristics of the Farm Enterprise.....	19
Financial Status of the Farm.....	26
Problems Encountered by the Farmers.....	35
<b>SUMMARY, CONCLUSION AND RECOMMENDATION</b>	
Summary .....	37
Conclusion .....	38
Recommendation .....	39
<b>REFERENCES .....</b>	viii
<b>APPENDICES .....</b>	
Letter.....	41
Questionnaire.....	43
<b>APPENDIX FIGURES.....</b>	48

## LIST OF TABLES

Table		Page
1	Distribution of participants of the study.....	13
2	Socio-economic characteristics of the farmers .....	17
3	Characteristics of the farm enterprise .....	20
4	Financial status of the farm .....	27
5	Problems encountered by the farmers .....	35

## APPENDIX FIGURES

Figures		Page
1	Silan's AgriFarm Dragon Fruit Plantation.....	51
2	Silan's AgriFarm Ampalaya Plantation.....	53
3	Tomatoes.....	55



# **FINANCIAL ANALYSIS OF MULTIPLE-CROPPING SYSTEM IN SELECTED TOWNS OF UPLAND CAVITE**

**Johanna D. Romen**

---

An undergraduate thesis manuscript submitted to the faculty of the Department of Economics, College of Economics, Management and Development Studies, Cavite State University, Indang, Cavite in partial fulfilment of the requirements for the degree of Bachelor of Science in Economics major in Agricultural Economics with Contribution No. T2015-AE-003. Prepared under the supervision of Dr. Elizabeth E. Polinga.

---

## **INTRODUCTION**

Farming system enterprise is a resource management strategy to achieve economic and sustained agricultural production to meet diverse requirement of the farm households while preserving the resource-base and maintaining high environmental quality. The farming system in its real sense will help to lift the economy of agriculture and standard of living of the farmers (AgriInfo, 2011).

Multiple cropping is not a new form of agricultural technology, but instead is an ancient means of intensive farming. Multiple cropping has been practiced in many parts of the world as a way of maximize land productivity in a specific area in a growing season. Generally, the practice of planting two or more crops on the same field is more common in tropical regions where more rainfall, higher temperature, and longer growing seasons are more favorable for continual crop production (Gliessman, 2000).