VEGETABLE PRODUCTION AND MARKETING IN MANMUNAI SOUTH AND ERUVIL PATTU D.S. DIVISION OF THE BATTICALOA DISTRICT



SIVAPALAN THANUSHA





FACULTY OF AGRICULTURE

EASTERN UNIVERSITY

SRI LANKA

2011

ABSTRACT

Vegetable Farming plays a significant role in rural areas. The survey covered 100 farmers from six G.N divisions in Manmunai South and Eruvil Pattu Division of the Batticaloa district. Pre-tested questionnaires were used to collect data and simple random sampling technique was used to draw the sample and the data were analyzed using SPSS statistical soft ware.

Aspects of socio-economic features of the farmers, productivity parameters, marketing, cost of production and constraints in vegetable production were studied. Most of the farmers (87%) had own land (high land and low land) and cultivated extent was 0.8 ac of land. About 74% of farmers had used hired labour for the vegetable cultivation. Some farmers (45%) had used credit as a source of investment. Severe pest and disease attacks and high input cost were the major problems faced by farmers. Wholesalers, village traders and middlemen were involved in marketing activities. The main marketing channel was producer to wholesalers (40%) to consumers in the area. Availability of inputs was not a problem in the areas.

The total cost of production was high and chemical cost and fertilizer costs were high for all the selected vegetables. The cost of production per kg was Rs.27.98 for chilli, Rs.16.83 for brinjal, Rs. 13.59 for okra, Rs. 15.79 for bushitao and Rs. 41.27 for red onion and it was higher cost than other areas of Sri Lanka. Ploughing cost, material cost, labour cost, fertilizer cost, chemical cost, irrigation cost and transport cost had impact on net profit of vegetable crops. Lack of extension services, lack of awareness on crop insurance scheme and unable to access credit facilities were problems noted in this study.

TABLE OF CONTENTS

	P	age No
ABSTRACT		I
ACKNOWLEDGEMENT		II
TABLE OF CONTENTS		III
LIST OF TABLES		VII
LIST OF FIGURES		IX
ABBREVIATIONS		X
CHAPTER 1		1
1. INRODUCTION		
1.1 Background		1
1.2 Vegetable production in Batticaloa district		3
1.3 Research problems		
1.4 Objectives of study		
1.5 Limitations of the study		5
CHAPTER 2		6
2.0 REVIEW OF LITERATURE		6
2.1 Vegetable Production in Sri Lanka		6
2.2 Vegetable sector		9
2.3 Vegetable Production and Wastage in Sri Lanka		10

2.4 Importance of vegetable	10
2.5 Export of Vegetables	11
2.6 Imports of Vegetables	12
2.7 Research and Development on vegetables	12
2.8 Seed and Planting Material	12
2.8.1 Government policy on seed	13
2.8.2 Multiple seed production	13
2.9 Utilization of Advanced Technology	14
2.10 Vegetable Industries	14
2.11 Input Suppliers	15
2.12Women in agriculture	16
2.13 Marketing of vegetables	
2.14 Marketing Systems for Vegetables	18
2.14.1 Organization of the Marketing Systems of Vegetables	19
2.15 Credit's for vegetables	20
2.16 Technology Transfer and Extension	21
2.17 Constraints and challenges for vegetable production	22
2.18 Government Policy on Vegetable Production	23
2.19 Integrated management of vegetable pests in the Batticaloa district	24
2.20: Environmental safe guards	24
CHAPTER 3	25
3.0 RESEARCH METHODOLOGY	25

3.1 Introduction	25
3.2 Study Area	25
3.3 Selection of sample	26
3.4 Location of the Study Area	27
3.5 Data collection	28
3.6 Data Analysis	29
CHAPTER 4	31
4.0 RESULTS AND DISCUSSION	
4.1Socio economic Characteristics of the Vegetable Farmers	31
4.1.1 Social aspects of the vegetable farmers	31
4.2 Land Ownership and Extent of Vegetable Cultivation	32
4.2.1 Land Tenure	32
4.2.2 Land ownership	32
4.3 Vegetable Cultivation	33
4.3.1' Number of vegetables grown	33
4.3.2 Types of vegetable grown	33
4.3.3 Extent of vegetable grown	34
4.4 Input Use	
4.4.1 Seed sources	
4.4.2 Source of fertilizer and pesticide	
4.5 Labour use	
4.6 Irrigation method used	
4.7 Credit use	38

4.7.1. credit source	38
4.7 .2 Amount of loan taken	38
4.8 Pest and Disease problems	
4.9 Average Yield	39
4.10 Marketing of Vegetables	41
4.10.1 Marketing Outlets	41
4.10.2 Quantity of Vegetables sold	44
4.10.3 Farm Gate Price	45
4.11 Other Services	46
4.13 Cost of Production	47
4.14 Cost of Production in G.N divisions	
4.15 Gross income in G.N divisions	50
4.16 Net income in G.N divisions	
4.17 Cost Components Affecting Net Profit	52
CHAPTER 5	57
5.0 SUMMARY AND CONCLUSIONS	57
5.1 Summary	57
5.2Conclusion	60
5.3 Recommendations	60
REFERENCES	
KEFERENCES	
ANNEXTURES	