

PROSPECTS AND PROBLEMS OF COMMERCIAL VEGETABLE FARMING

A Case Study of Gajuri Rural Municipality, Dhading District

A Thesis Report Submitted to

Central Department of Rural Development,

Tribhuvan University,

In Partial Fulfillment of the Requirements for the Degree of the

Master of Arts (MA)

In

Rural Development

By

GIRI RAJ DALLAKOTI

Central Department of Rural Development

Tribhuvan University, Kirtipur

TU Regd. No.: 47181-91

Exam Roll No.: 280996

January, 2018

Letter of Recommendation

This Report entitled **Problems and Perspects of Vegetable Farming in Rural Area of Nepal: A Case Study of Gajuri Rural Municipality, Dhading District** has been completed by **Giri Raj Dallakoti**, under my full guidance and supervision for the partial fulfillment of the requirement of Thesis report for Master's degree of Social Science and Humanities in Rural Development. I hereby recommended this report for its acceptance and approval.

.....

Mr. Prajwal Man Pradhan

Supervisor

Central Department of Rural Development

Tribhuvan University, Kirtipur, Kathmandu.

Date: 2018-01-07

(2074-09-23)



TRIBHUVAN UNIVERSITY
त्रिभुवन विश्वविद्यालय
CENTRAL DEPARTMENT OF RURAL DEVELOPMENT
गामीण विकास केन्द्रीय विभाग

विभागीय प्रमुखको कार्यालय
कीर्तिपुर, काठमाडौं, नेपाल।
Office of the Head of Department
Kirtipur, Kathmandu, Nepal.

Ref. No. :

Date मिति

Approval Letter

This certify that the thesis report entitled **Problems and Prospects of Vegetable Farming in Rural Area of Nepal: A Case Study of Gajuri Rural Municipality, Dhading District** submitted by **Giri Raj Dallakoti** has been examined by Central Department of Rural Development of University Campus, T.U., Kirtipur, Kathmandu It has been declared to be a successful work for fulfillment of academic requirements towards the completion of Masters of Social Science and Humanities in Rural Development.

Evaluation Committee

.....
Prof. Dr. Pushpa Kamal Subedi
Head of the Department

.....
Rajan Binayek Pasa
External Examiner

.....
Prajwal Man Pradhan
Supervisor

Date: 2018-01-14

(2074-09-30)

Declaration

I hereby declare that the thesis entitled **Problems and Prospects of Vegetable Farming in Rural Area of Nepal: A Case Study of Gajuri Rural Municipality, Dhading District** submitted to the Central Department of Rural Development, Tribhuvan University, is entirely my original work prepared under the guidance and supervision of my supervisor. I have made due acknowledgements to all ideas and information borrowed from different sources in the course of preparing this thesis. The result of this thesis has not been presented or submitted anywhere else for the award of any degree or for any other purposes. I assure that no part of the content of this thesis has been published in any form before.

.....

Giri Raj Dallakoti

TU. Regd.No: 47181-91

Date: 2018-01-07

(2074-09-23)

Acknowledgements

This thesis Report has been possible from the help of various people. In acknowledge my debt to all of them. I wish to express our gratitude and appreciation to the central department of rural Development, T.U., Kirtipur for the encouragement, supervision and guidance.

I am infinitely indebted to my research supervisor, Mr. Prajwal Man Pradhan, lecturer of the Department of Rural Development, T.U., Kirtipur for his kind support and continuous guideline in the course of study from beginning to the end. His suggestions about the technical aspect of the study have been more remarkable help to me. I am grateful to all the local people and Rural Municipality, office of Gajui Rural Municipality for their help while gathering data in the field.

Similarly, I would like to thanks Prof Dr.Pushpakamal Subedi, Head of the Department, lecturer Mr Umesh Acharya, Central Department of Rural Development and TU for providing valuable source, support, suggestion and good conduct of the thesis research.

Finally, I am grateful to all my class friends, who heartily co-operate me by providing essential information, suggestions and other necessary supports of this research, without their kind help, this study would not have a complete form. Also I want to give special thanks to my Brother Mr. Roshan Pathak, who has helped me in my research work.

January, 2018

Giri Raj Dallakoti

Abstract

The study “Problems and Prospects of Vegetable Farming in Rural Area of Nepal “A Case Study of Gajuri Rural Municipality, Dhading District”” focused on role of vegetable farming in socio economic status of farmers. The general objective of the study was to examine and analyze the problems and prospects of vegetables farming in the study area. The specific objectives was to identify the socio-economic characteristics of the respondents, to analyze the status of commercial vegetable farming in the study area, to examine the role of vegetable farming in the income generation, to analyze problems faced by the farmers and to analyze the prospects of vegetables farming in the study area.

Exploratory as well as descriptive research design was used to conduct the study. Structured questionnaire, focus group discussion and observation were used for collecting data from the selected households. 50 households were selected simple random sampling techniques. Collected information was presented by using simple descriptive and statistical tools such as table, percentage, etc.

The findings of the study showed that all the selected households were involved in vegetable farming; however 64 % of them practiced vegetable farming in off season. Similarly, the study showed the 66 % of increasing situation of vegetable farming. The farmers were found to plant different types of vegetables as Radish, Cabbage and potato mainly.

Regarding the contribution of vegetable farming to increase the income of the local farmers, it was found that vegetable farming contributed in a great extent for income generation. Nearly, 40 % of the respondents earned 51-75 thousands in a year from the farming.

Farmers found to face several problems such as lack of plain land for farming, lack of irrigation, fertilizers and pesticides, high labor cost and low price of products.

As the prospects of farming they were interested in vegetable farming and wanted to give continuity to it for a longtime. Further policy research and developmental studies are requested to alleviate poverty through the development of commercialized urban agriculture in study area.

Table of Contents

Title Page	Page no.
Declaration	i
Letter of Recommendation	ii
Approval Sheet	iii
Acknowledgements	iv
Abstract	v
Table of Contents	vi
List of Tables and Figures	ix
Acronyms	x
CHAPTER I : INTRODUCTION	1-7
1.1 Background of the Study	1
1.2 Statement of the Problem	4
1.3 Objective of the Study	5
1.4 Significance of the Study	6
1.5 Limitations of the Study	6
1.6 Organization of the Study	7
CHAPTER II: LITERATURE REVIEW	8-24
2.1 Conceptual Review	8
2.2 Theoretical Review	9
2.3 Policy Review	11
2.4 Empirical Review	15
2.5 Literature Gaps	22
2.6 Conceptual frame works	24
CHAPTER III: RESEARCH METHODOLOGY	25-28
3.1 Research Design	25
3.2 Rational for the Selection of the Area	25
3.3 Nature and Source of Data	26

3.4	Population Size and Sampling Procedure	26
3.5	Tools and Technique of Data collection	27
	3.5.1 Household Survey	27
	3.5.2 Observation	27
	3.5.3 Focus Group Discussion	27
3.6	Method of Data Analysis	28
	CHAPTER IV : DATA ANALYSIS AND PRESENTATION	29-43
4.1	Socioeconomic Characteristics of the Respondents	29
	4.1.1 Caste Structure	29
	4.1.2 Sex Structure	30
	4.1.3 Age Structure	30
	4.1.4 Marital Status	31
	4.1.5 Educational Status	32
	4.1.6 Occupational Status	32
	4.1.7 Family Size	33
	4.1.8 Landholding Status	34
	4.1.9 Knowledge and Skills for Vegetable Farming	34
4.2	Status and prospects of Vegetable Farming in the Study Area	35
	4.2.1 Practice of Vegetable Farming in Study Area	35
	4.2.2 Situation of the Vegetable Production	36
	4.2.3 Contribution in Annual Income	36
	4.2.4 Annual Income from Vegetables	37
4.3	Status and problems of Vegetable Farming in the study area	38
	4.3.1 Problems Faced by the Respondents in Vegetable Farming	38
	4.3.2 Source of Labor Supply of Vegetable Cultivation	39
	4.3.3 Status of irrigation Facility	39
	4.3.4 Agents of Providing Support	40

4.3.5	Place for Selling Vegetables	41
4.3.6	Middle man presence in commercial vegetable Farming	41
4.4	Prospects and Problems of Vegetable Farming in the Study Area	
4.4.1	Prospects of Vegetable Farming in the Study Area	42
4.4.2	Problems of Vegetable Farming in the Study Area	43
CHAPTER V : SUMMARY, CONCLUSION AND IMPLICATIONS		
5.1	Summary	44
5.2	Conclusions	45
5.3	Implications	45
	References	47-49
	ANNEXES	50-54
	ANNEX I: Questions for Household Survey	50
	ANNEX II: Observation Checklist	53
	ANNEX III: Checklist for FGD	54

LIST OF TABLES AND FIGURES		Page.no.
List of Table		
4.1 Respondents by Caste Structure		29
4.2 Respondents by Sex Structure		30
4.3 Respondents by Age Structure		31
4.4 Respondents by Marital Status		31
4.5 Respondents by Educational Status		32
4.6 Respondents by Occupational Status		33
4.7 Respondents by Family Size		33
4.8 Respondents by Landholding Status		34
4.9 Knowledge and skills for Vegetable Farming		34
4.10 Vegetable farming in the study area		35
4.11 Situation of Vegetable farming		36
4.12 Contribution in Annual Income		37
4.13 Annual Income from Vegetables		37
4.14 Problems faced by the respondents in vegetable farming		38
4.15 Source of Labor Supply of Vegetable Cultivation		39
4.16 Status of irrigation facility		39
4.17 Agents of Providing Support		40
4.18 Place for Selling Vegetables		41
4.19 Presence of Middle man in vegetable farming		41
List of figure		
3.1 Conceptual Framework		24

List of Acronyms

ADB	=	Asian Development Bank
APP	=	Agriculture Perspective Plan
ARVC	=	Agricultural Research Including Vegetable Crops
CBS	=	Central Bureau of Statistics
DHM	=	Department of Hydrology and Meteorology
DOA	=	District Office of Agriculture
DDC	=	District Development Committee
FAO	=	Food and Agriculture Organization
FGD	=	Focus Group Discussion
GDP	=	Gross Domestic Product
I/NGO	=	International/Non-Governmental Organization
LGP	=	Local Government Programmed
MEDP	=	Micro Enterprises Development Programme
MOEC	=	Ministry of Environment and Cooperatives
MOF	=	Ministry of Finance
NARC	=	Nepal Agriculture Research Council
NPC	=	National Planning Commission
PRSP	=	Poverty Reduction Strategy Paper
SADEP	=	Sustainable Agriculture Development Program
UNDP	=	United Nation Development Program