

**THE BENEFITS OF TREES ON SMALL HOLDER FARMS IN  
NAMASAGALI SUB- COUNTY**

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BU/UG/2011/143**



**JUNE, 2014**

**BUSITEMA UNIVERSITY**  
**FACULTY OF NATURAL RESOURCES AND ENVIRONMENTAL  
SCIENCES**  
**BENEFITS OF TREES ON SMALL HOLDER FARMS IN  
NAMASAGALI SUB- COUNTY**



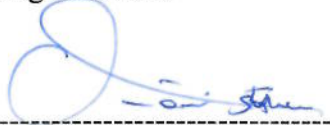
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**A RESEARCH REPORT SUBMITTED TO THE FACULTY OF NATURAL  
RESOURCE AND ENVIRONMENTAL SCIENCE IN PARTIAL FULFILLMENT OF  
THE REQUIREMENTS FOR THE AWARD OF DEGREE BACHELOR OF SCIENCE  
IN NATURAL RESOURCE ECONOMICS**

**JUNE, 2014**

## DECLARATION

I, Tusiime Christopher, hereby declare that the dissertation submitted to Busitema University for the award of a degree of Bachelor of Science in Natural Resource Economics has not been previously presented to this University or any other Higher Institution of Learning for this Degree award.



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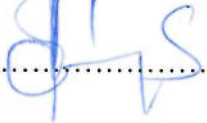
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## APPROVAL

This serves to exhibit that this work has been truly through the efforts of Tusiime Christopher towards the partial fulfillment of the requirements for the award of a Bachelor of science in Natural Resource Economics of Busitema University under my guidance and supervision.

Supervisor

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Date.....  


## **DEDICATION**

I would like to dedicate this work to the Almighty God for his celestial guidance, and to my beloved mother Mrs. Keneema Margret Abwooli.

## ACKNOWLEDGEMENTS

Firstly I would like to thank the almighty God who has enabled me go all this far, in the hard times that seemed ferocious described by signs of impossibilities for one to accomplish and overcome, you offered me enthusiasm, strength of mind and courage to face them. I glorify you lord.

Also Assoc. Prof Isabirye Moses ( Busitema University), Mr. Mooya Bernard(Advisor GOAL Uganda), Mr. Sonko Charles, Mabiriizi Julius for sacrificing and taking off your firm busy schedule in order to offer to me the much needed technical support, guidance and direction. I appreciate your professionalism and exhibition of true workmanship. Through your enormous knowledge and wide experience, you showed me what it means my course practically and always guided me in cases of mistakes. I thank you

To my family members Keneema Margret, Banura Evelyn, Ihunde Rebecca, Magezi George, Muhumuza phionah, Tusingwire Daniel and Mr. Bizimana John for the great financial and moral support that aided me in the struggle to acquire the wealth of knowledge that will finally extract the source and form the foundation of my profession/ career and indeed enlighten my future

And finally to all my friends, Kijali Julius, Nakalema Teopista, Tusiime Catherine, Namatovu Hildaguard, Tiyonga Robert, Acheda Amos, and all my course mates for the support especially during the trial times of my working on this study, the humility, care and the spirit of togetherness and team work exhibited. I shall forever cherish you. May the almighty open for you the gate during the judgment day

Tusiime

Christopher, 2014

## ABSTRACT

Planting new trees on farmland could provide a needed carbon sink, especially if tropical deforestation continues. Right now agro-forestry isn't a major part of international climate-change policy, but delegates at the U.N. global-warming summit could change all that. By putting a greater carbon value on trees planted on farmland through a cap-and-trade program that would give companies a carbon credit for growing and maintaining trees, we could encourage the growth of agro-forestry. Therefore the study focuses on the benefits of trees on small holder farms in Namasagali sub-county with concerns of determining the value of trees basing on the local farmers perception, comparing farm yields from farms with trees and those without trees and finding out whether the presence of trees on farm benefits farmers in terms of food security and house hold incomes. Primary data was collected from the 3 parishes of the sub-county that is Bwizza, Kisaikye and Kabanyoro-Kabaganda while secondary data was got from the internet and the university library. Cost-benefit analysis was done to estimate whether the presence of trees on farm has an impact on the costs and benefits of farm inputs and out puts. It is therefore recommended that farmers plant more trees on farms cut cost of fertilizer application and double weeding as well as boosting their household incomes. Trees on farms enhance the house hold incomes through improving the yields of the farming and other values of trees apart from the on farm benefits of enhancing soil fertility included fuel wood ,timber and environmental conservation. The results indicated that most farmers had trees on their farms which were very many but sparsely distributed, however most of them did not understand benefits of such trees as most of the farmers agreed that they are not responsible for their growth .It was found out that the presence of trees on farms depends on the size of land allocated to farming, level of education and the types of crops grown.

## TABLE OF CONTENTS

|                                      |     |
|--------------------------------------|-----|
| DECLARATION .....                    | ii  |
| APPROVAL .....                       | iii |
| DEDICATION .....                     | iv  |
| ACKNOWLEDGEMENTS .....               | v   |
| ABSTRACT .....                       | vi  |
| TABLE OF CONTENTS .....              | vii |
| LIST OF FIGURES .....                | x   |
| LIST OF TABLES .....                 | xi  |
| LIST OF ACCRONYMS .....              | xii |
| CHAPTER ONE: INTRODUCTION .....      | 1   |
| 1.0 Introduction .....               | 1   |
| 1.1 Background .....                 | 1   |
| 1.2 Statement of the Problem .....   | 2   |
| 1.3 Objectives of the Study .....    | 3   |
| 1.3.1 General objective .....        | 3   |
| 1.3.2 Specific objectives .....      | 3   |
| 1.4 Research questions .....         | 3   |
| 1.6 conceptual framework .....       | 4   |
| 1.7 Scope of the study .....         | 5   |
| 1.7.1 Geographical scope .....       | 5   |
| 1.7.2 Content scope .....            | 5   |
| 1.7.3 Time scope .....               | 5   |
| 1.8 Significance of the Study .....  | 5   |
| CHAPTER TWO: LITERATURE REVIEW ..... | 6   |



|   |           |
|---|-----------|
| 2.1 Introduction .....  | 6         |
| 2.2 Trees on farm and food security .....   | 6         |
| 2.3 The value of trees on gardens basing on the local people's perception .....   | 7         |
| 2.3.1 The Importance of Trees .....   | 10        |
| 2.3.2 Trees on farm and adaptation to climate change .....  | 11        |
| 2.4 To determine whether the occurrence of trees on gardens benefits farmers in terms of food security and household income ..... | 12        |
| <b>CHAPTER THREE: METHODOLOGY .....</b>   | <b>16</b> |
| 3.1 Introduction .....  | 16        |
| 3.2 Description of the Study Area .....   | 16        |
| 3.4 Research Design .....   | 17        |
| 3.5 Data Collection .....   | 17        |
| 3.5.1 Data Collection Methods .....   | 18        |
| 3.5.1.1 Sampling .....  | 18        |
| 3.5.1.2 Household Questionnaire Survey .....  | 18        |
| 3.5.1.3 Interviews .....  | 18        |
| 3.6 Data Presentation and Analytical methods .....  | 18        |
| 3.6.1 Descriptive statistics .....  | 19        |
| 3.6.2 Cost-benefit analysis .....   | 19        |
| 3.6.3 Cross tabulations .....   | 19        |
| 3.7 Ethical Consideration .....   | 19        |
| <b>CHAPTER FOUR: DATA PRESENTATION AND INTERPRETATION OF FINDINGS .....</b>   | <b>20</b> |
| 4.1 Introduction .....  | 20        |
| 4.2 Descriptive statistics .....  | 20        |
| 4.2.1 Age .....   | 20        |
| 4.2.2 Farmer's Experience .....   | 21        |

|  |    |
|--|----|
| 4.2.3 Land size devoted to farming .....   | 21 |
| 4.2.4 Family Size.....   | 21 |
| 4.2.5 Income of the household on monthly basis .....                                     | 22 |
| 4.2.6 Level of education of education .....  | 22 |
| 4.2.7 Presence of trees in and around the gardens.....                                   | 23 |
| 4.2.8 Dominant tree species on gardens. ....   | 23 |
| 4.2.8 Number of people in the household:.....  | 25 |
| 4.2.9 Other values of trees .....  | 27 |
| 4.3 Relationships between different variables.....                                       | 28 |
| 4.4 costs-benefit analyses for beans .....   | 32 |
| 4.4.1 Cost- Benefit Analysis for one acre of beans grown in a garden with no trees ..... | 33 |
| 4.4.2 A Cost Benefit Analysis for One Acre of beans under trees .....                    | 34 |
| CHAPTER FIVE: SUMMARY, CONCLUSIONS AND RECOMMEDATION .....                               | 36 |
| 5.0 Introduction.....  | 36 |
| 5.1 Summary of the findings.....   | 36 |
| 5.2 Conclusions .....  | 38 |
| 5.3 Recommendations .....  | 39 |
| REFERENCES .....   | 42 |
| APPENDIX.....  | 44 |

## LIST OF FIGURES

|   |    |
|---|----|
| Figure 1. conceptual framework.....   | 4  |
| Figure 2.2 A map showing the location of Namasagali sub-county.....   | 17 |
| Table 4.1 Descriptive statistics of some the variables.....   | 20 |
| Figure 4.3 level of income of the household head.....   | 22 |
| Figure 4.4 Distribution of respondents by Level of education.....   | 23 |
| Figure 4.5 Dominant tree species.....   | 24 |
| Table 4. 2 Source of motivation for planting trees.....   | 25 |
| Figure 4.6 Number of house hold.....  | 25 |
| Figure 4.7 Different crops grown by the farmers.....  | 26 |
| Figure 4.8 showing other values of trees.....   | 27 |
| Figure 4.9 the relationship between the presence of trees and the harvest per season.....                   | 28 |
| Figure 4.10 Relationship between the harvest per season and farmer's experience.....                        | 29 |
| Figure 4.11 Relationship between the dominant tree species on the farm and the gender of the<br>farmer..... | 30 |
| Table 4. 3 Relationship between distribution of trees on an acre and land size devoted to farming<br>.....  | 31 |
| Table 4. 4 Chi-Square Tests land size allocated to farming.....   | 31 |
| Figure 4.12 Relationship between distribution of trees and harvest per season.....                          | 32 |
| Table 4.3 cost-benefit analysis for beans grown without trees on farm.....                                  | 33 |
| Table 4.5 Cost-benefit analysis for beans under trees.....  | 34 |

## LIST OF TABLES

|  |    |
|--|----|
| Table 4.1 Descriptive statistics of some the variables.....  | 20 |
| Table 4. 2 Source of motivation for planting trees.....  | 25 |
| Table4. 3Relationship between distribution of trees on an acre and land size devoted to farming<br>..... | 31 |
| Table4. 4 Chi-Square Tests land size allocated to farming .....  | 31 |
| Table 4.5 Cost-benefit analysis for beans under trees.....   | 34 |

## **LIST OF ACCRONYMS**

|        |   |
|--------|---|
| FAO    | Food and Agricultural Organization                    |
| MDGs   | Millennium Development Goals                          |
| MEA    | Millennium Ecosystem Assessment                       |
| NEPAD  | New Partnership for African Development               |
| NFA    | National Forestry Authority                           |
| NGO    | Non -Governmental Organisation                        |
| PRSPs  | Poverty Reduction Strategy Plans                      |
| SPSS   | Statistical Packages for Social Sciences              |
| TOFNET | Trees On Farms Network                                |
| UNFCCC | United Nations Framework Convention on Climate Change |

# CHAPTER ONE: INTRODUCTION

## 1.0 Introduction

This chapter covers the background of the study, the problem statements, the research objectives, the research questions and the research justifications.

## 1.1 Background

Agro forestry, the inclusion of trees within farming systems, has been a traditional land use developed by subsistence farmers throughout most of the world. In the last 40 years it has also become a subject for systematic study and improvement, and a livelihood option promoted by land use managers and international development efforts. It has come to the attention of global analysts and policy makers, for example UNFCCC (2008) and MEA (Hassan et al 2005), and has been recognized in regional and national development plans (NEPAD 2003) and is an obvious component of many farming systems. Trees make a huge impact on our rural and urban landscapes and contribute to a vital part of our heritage, rural economy and well-being. The National Ecosystem Assessment highlighted the significant contribution of trees and forests in terms of the ecosystem services they provide to society, as well as through direct economic value and social amenity. Trees can also help mitigate climate change by capturing and storing carbon. Preserving the health of our trees, woodlands and forests is therefore vital. The important contribution that indigenous fruit trees can make to poverty reduction has been recognized (Garity 2004, Russell and Franzel 2004).

Eradicating extreme poverty and hunger is the most important of the Millennium Development Goals (MDGs) that are currently the focus of the international development agenda. Other goals relate to improving education and health, empowering women and ensuring environmental sustainability. At a national level, the Poverty Reduction Strategy Papers (PRSPs), promoted by the World Bank and the International Monetary Fund, depict how governments may work with donors to attain the MDGs. However, even in forest-rich countries the forestry sector gets little attention in PRSPs and the lack of examination of the links between poverty and the use of forest resources means that forest policy recommendations are rarely based on hard evidence (Bird and Dickson 2005)

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