



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

P.O. Box 236, Tororo, Uganda
Gen. +256 - 45 444 5838
Fax. +256 - 45 4438517
Email: info@adm.busitema.ac.ug
www.busitema.ac.ug

405
60

**BUSITEMA UNIVERSITY INDUSTRIAL TRAINING REPORT
FACULTY OF AGRICULTURE AND ANIMAL SCIENCES INDUSTRIAL TRAINING
REPORT CARRIED OUT AT BULINDI ZONAL AGRICULTURAL RESEARCH AND
DEVELOPMENT INSTITUTE (BUZARDI)**

FROM: 28th February TO 06th May, 2022

COMPLIED BY

NAME: WAMANI ALLAN

COURSE: DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

REGISTRATION NUMBER: BU/UP/2020/2016

TEL; 0775653944/0757375927

EMAIL; wamaniallan19@gmail.com

COURSE CODE; 1208

**A REPORT TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND
EXTENTION AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF A DIPLOMA IN CROP PRODUCTION AND MANAGEMENT AT
BUSITEMA UNVERSITY**

DATE OF SUBMISION..18TH.../MAY.../2022



04

DECLARATION

I Wamani Allan, declares that the information in this report is original and has been compiled by me as a result of; knowledge, skills and experience acquired during the industrial training conducted in BUZARDI. This report has never been submitted by any student to any academic institution for the award of any academic paper.

Student's name... WAMANI ALLAN Signature [Signature]
Date 15/05/2022

[Red checkmark]

BUSITEMA UNIVERSITY LIBRARY
CLASS NO.
ACCESS NO. FAA 2059

APPROVAL

This report has been approved by;

My Field supervisor. Mr. MUSIIME ROGERS

Date..... 10th / 05 / 2022

Signature..... 



See

APPROVAL

This report has been approved by;

My Field supervisor: Mr. MUSIIME ROGERS

Date..... Sign.....

DEDICATION

I dedicate this report to my beloved uncle Mr Businge Peter, my mom, dad and my field supervisor Mr MUSHIME ROGERS who tirelessly contributed to me through prayers, guidance, materially and financially towards my success. May the almighty God bless and reward them abundantly.

A handwritten signature consisting of a long, sweeping curve followed by a small, stylized mark.

ACKNOWLEDGEMENT

I take this opportunity and honor to thank the almighty God for the successful completion of my internship.

This work would not be well completed without help of many persons. I will recognize their valuable guidance, support and knowledgeable suggestions. First of all, my special thanks are addressed to Busitema University for all it has done in providing us with quality education. I would like to express my gratitude to the administrative staff of the Faculty of Agriculture and animal science for their willingness, their contribution and efforts for the success of this internship as well as the realization of its objectives. My acknowledgement is extended to ^{of} Mr MUSIIME ROGERS, my field supervisor the human resource manager, all technicians of my internship for their tremendous effort, guidance, collaboration, encouragement and genuine ideas that they have used to help me for my work accomplishment. Finally, I would like to give my appreciation to my fellow students to their encouragement during my internship.

May GOD bless you all!!!!

TABLE OF CONTENTS

DECLARATION	i
APPROVAL.....	ii
DEDICATION	iii
ACKNOWLEDGEMENT	iv
LIST OF ABBREVIATIONS.....	viii
LIST OF TABLES AND FIGURES.....	ix
ABSTRACT.....	x
CHAPTER ONE	1
1.0 INTRODUCTION.....	1
1.1 HISTORICAL BACKGROUND OF BUZARDI	1
1.2 LOCATION.....	1
1.3 OBJECTIVES OF THE FIELD ATTACHMENT.....	2
2.0 CHAPTER TWO:DESCRIPTIONS OF ATTACHMENTS	3
2.1 BANANA PRODUCTION.....	3
2.1.1 ECOLOGICAL REQUIREMENTS.....	3
2.1.2 AGRONOMIC PRACTICES.....	3
2.1.4 PESTS OF BANANA.....	5
2.1.5 DISEASES OF BANANA AND THEIR CONTROL.....	5
2.2FIELD SETTING AND LAND MARKING.....	6
2.3MAIZE (ZEA MAYS).....	7
2.3.1 ECOLOGICAL REQUIREMENTS	7
2.3.2 VARIETIES	7
2.2.3 AGRONOMIC PRACTICES.....	7

2.3.4 FIELD PESTS	8
2.3.5 COMMON DISEASES OF MAIZE	9
2.3.6 HARVESTING AND POST-HARVEST HANDLING	9
2.4 SOYA BEANS (<i>GLYCINE MAX</i>)	10
2.4.1 GROWTH REQUIREMENTS.....	10
2.4.2 AGRONOMIC PRACTICES.....	10
2.4.3 PESTS	11
2.4.4 DISEASES	11
2.4.5 POST HARVEST HANDLING.....	13
2.5 VEGETABLE PRODUCTION	13
2.5.1 PREPARATION OF THE GERMINATION BED	13
2.5.2 PREPARATION OF NURSERY BED FOR VEGETABLES	14
2.5.3 PESTS AND DISEASES	14
2.5.4 MANAGEMENT PRACTICES OF VEGETABLES.....	15
2.5.5 VARIETIES OF VEGETABLES	15
2.6.1 GRAFTING.....	16
2.6.2 SOIL MIXING AND POTTING	16
2.7 SOILS.....	16
2.7.1 SOIL SAMPLING.....	16
2.7.2 METHODS FOR SOIL SAMPLING.....	17
2.8 RICE [<i>ORYZA SATIVA</i>].....	17
2.8.1 RICE VARIETIES	17
2.8.2 MANAGEMENT PRACTICES.....	17
2.8.3 DISEASES OF RICE	18
2.8.4 PESTS OF RICE	18

02

2.9 GOATS PRODUCTION.....	18
2.9.1 PARASITIC CONTROL	18
2.9.2 GOAT MANAGEMENT PRACTICES	19
2.10 AQUACULTURE.....	20
2.11.0 POULTRY	21
2.11.1 ARTIFICIAL BROODING.....	21
2.11.2 KEY FACTORS TO BE CONSIDERED IN A BROODER.....	21
2.11.3 EGG CANDLING.....	21
2.11.4 POULTRY VACCINATION.....	22
2.11.5 MALPOSITIONING IN EGGS	22
2.11.6 HATCHERY MANAGEMENT	22
3.0 CHAPTER THREE IMPACT OF THE ATTACHMENT	23
3.1 WORK CLIMATE.....	23
3.2 MENTORING CONDITION.....	23
3.3 SKILLS AND QUALIFICATIONS GAINED.....	23
3.4 CHALLENGES FACED.....	23
3.5 RESPONSIBILITIES CONDUCTED DURING THE TRAINING.....	24
3.6 INFLUENCE OF THE ATTACHMENT ACTIVITIES ON FUTURE CARRIER PLANS	24
3.7 CORRELATION OF ATTACHMENT ACTIVITIES WITH CLASSROOM KNOWLEDGE	24
4.0 CHAPTER FOUR: CONCLUSION AND RECOMMANDATION	25
4.1 CONCLUSIONS	25
4.2 RECOMMENDATION.....	25
APPENDICES	1
REFERENCES.....	4

LIST OF ABBREVIATIONS

NARO	National Agricultural Research Organization
BUZARDI	Bulindi Zonal Agricultural Research and development Institute
eg.	For example
LACZ	Lake Albert Crescent Zone
etc	Exetera

01

LIST OF TABLES AND FIGURES

Table 1: shows varieties of banana and their categories

Table 2: shows Attributes of recently released soya bean varieties in Uganda

Table 3: shows pests which attack vegetables and their controls

✓ 01

ABSTRACT

The Ten weeks of industrial training was done at BUZARDI which is a public Agricultural Organization mandated to conduct and manage adaptive agricultural research develop and disseminate improved agricultural technology relative to LACZ .It covers Districts of Masindi, Hoima, Kikuube, Kiryandongo, Kibaale, Kagadi, Buliisa and Kakumiro

The main objective of the field attachment was to obtain practical skills, knowledge and experience in the diverse fields of Agriculture that help to broaden the knowledge of the student in applying the theoretical knowledge studied in class to the real life experience. I attended various sections while at BUZARDI such as garden crops production such as rice,maize,soya bean, vegetation production, goats,pastures,apiculture among others and I obtained different skills during the field attachment such as crop production which involves identification of pest and diseases and the nature of their damages and the best ways to ensure maximum production. The practical aspect learnt during the industrial training include grafting,deworming,animal treatment, threshing of rice using the manual rice thresher among others

Although the period was successfully, however, there were some challenges uncounted during this period of my industrial training such as bad weather, inadequate equipments for use in the field. I would therefore wish to recommend to the institute to purchase enough equipment such as face masks and gloves for use in spraying, more automatic syringes to quicken injection of animals or deworming using ivermectin. In conclusion, the internship period was generally interesting and should be encouraged for all students for their personal skills development.

CHAPTER ONE

1.0 Introduction

This chapter provides information about BUZARDI the institution where I carried out my internship. It also shows the objectives of my attachment and the organizational structure of BUZARDI

1.1 Historical Background of BUZARDI

BUZARDI is one of the eight Zonal Agricultural Research and Development institutes under the National Agricultural Research Organization (NARO). NARO is a semi-autonomous public Agricultural Research Organization that was established by the parliament under the national agricultural act of 2005. BUZARDI is headed by the Director of research and operating under the NARO as a component of National Agricultural Research Organization. BUZARDI is responsible for carrying out applied and adaptive research in the Lake Albert Crescent Zone (LACZ) and covers mid-western Uganda districts of Hoima, Masindi, Buliisa, Kibaale, Kiryandongo, Kakumiro, Kagadi, and Kikuube.

BUZARDI was formerly a district farm institute and was elevated to Bulindi Agricultural Research and Development Centre in February 2001 and it changed into a fully-fledged Zonal Agricultural Research and Development Institute in 2006

1.2 Location

BUZARDI is located in Hoima district 20km away from Hoima city along Masindi-Hoima road in Kigungu village Bulindi town council Kyabigambire Sub County. It covers an area of 271 acres (110 ha) of which 70% is arable. It also has 1950 acres of land in Kigumba-Kiryandongo district

Vision

A competitive society supported by a dynamic agricultural research innovation

Mission

To innovate for sustainable agricultural transformation in the LACZ.