

P.O.Bax 236, Tororo Gen: +256-454446842 Dir: +256-454448864 Mob: +256-762999674 Fax: +256-454436517 Froil and acadreg busiterns ac.ug

Website www.busitemo.ac.ug

AN INDUSTRIAL TRAINING REPORT FOR ACTIVITIES CARRIED OUT AT NATIONAL SEMI-ARID RESOURCES RESEARCH INSTITUTE (NaSARRI) IN SERERE DISTRICT FROM 28TH FEBRUARY TO 22ND APRIL

COMPILED By:

NAME: EKINU SAMUEL

REG NUMBER: BU/UP/2019/2563

COURSE NAME: INDUSTRIAL TRAINING

COURSE CODE: DCP 1208

EMAIL ADDRESS: ekinusamuely@gmail.com

TEL CONTACT: 0787271896/0709619287

AREPORT TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION FOR THE PARTIAL FULFILMENT OF THE AWARD OF DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

SUBMISSION DATE: 17/05/2022

DECLERATION

I EKINU SAMUEL Declare that this report is originally mine and has not been submitted to any
university or institution of higher learning for the award of Diploma in crop production and
management.
Signature:
Date: 11/05/2022

APPROVAL

This report has been approved by;
Field supervisor
Name: ARU JOHN CHARLES
Sign.,
Date 12/05/2022
Coordinator internship
Name: White Bold Attack Attucks
Sign
Date. Date. MASARRI *
56, SOROTI
Director of research.
Name: 5Bus Jothn Embranza
Sign:
Date: 12.1.5. 25.2
Academic supervisor BUSITEMA UNIVERSITY LIBRARY
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Sign.
Date:

DEDICATION

I dedicate this report to my lovely family members especially my father ELOGU JOSEPH and my Uncle OMIAT EMMANUEL GILBERT and my grandmother AKOL JANET and to all my fellow friends for the advice and support they have offered to me I also dedicate it to all the staff of Busitema University and staff of National selfu-Arid Resources Research Institute for endeavoring to be with me during the industrial training programme

ACKNOWLEDGEMENT

I acknowledge GOD the Almighty for the gift of life and wisdom He has granted unto me during my industrial training period at NASARRI. I also extend my sincere appreciation to my field supervisor Mr. ARU John Charles and all the staff of Busitema university Arapai campus. Finally I also wish to extend my sincere gratitude to my lovely friends for the support, guidance and advise they offered to me during industrial training period.

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LIST OF ABBREVIATIONS.

BUAC : Busitema university Arapai campus

DCP : Diploma in crop production and management

E.G : For example given

IPM: Integrated pest management

NARO: National Agricultural Research Organization

NaSARRI : National Semi-Arid Resources Research Institute

SAARI : Serere Agricultural and Animal Research Institute

ABSTRACT

Industrial training was carried out at the National Semi-Arid Resources Research Institute (NaSARRI) as the area of field attachment for a period of two months from 28th February to 22nd April 2022.NaSARRI is located 21 km south west of Soroti Town The purpose of industrial training was to enable students to get exposure to the practical activities in relation to the theory being learnt from class by interacting with the different field supervisors who will impart practical skills to students. While at NaSARRI I was able to carry out several activities under various research programmes like Dryland cereals, dryland legumes, cotton, oil crops and farm management where I carried out activities like; emasculation, crossing, pest and disease management and identification, taking of plot and grain weights of seeds. However during industrial training I faced some challenges like in adequate tools and equipment for carrying out practicals at the station, I also faced aproblem of un favorable weather conditions which made it difficult for us to carry out some of the expected practical activities like field marking and planting because of prolonged draught, In conclusion industrial training was conducted successfully without any interruption. And I therefore recommend the Administration of the research station to acquire more tools and equipment for carrying out practical.



CHAPTER ONE:

1.0 INTRODUCTION

The National semi-Arid Resources Research Institute NaSARRI formally called SAARI is one of the 17 public agricultural research institutes under NARO and it's responsible for conducting and coordinating agricultural research of crops, livestock, fisheries, forestry and national resources and also to ensure dissemination of results. It falls under the category of National semi-Arid Resources Research Institute NaSARRI which carry and manage the agricultural research of strategic nature and National importance. NaSARRI conducts applied and adaptive research in agriculture in the experimental station for ox-cultivation that was designed to support and uplift cotton production in Teso and for training the staff from the department of agriculture by then NASARRI has made fundamental and considerable progress since its creation but all these progress would not have happened if it was not because of the support from the government of Uganda and several donors.

1:1 BACKGROUND

Agricultural research at NaSARRI was started in the year of 1920 by the colonial government. It was initially called Serere Agricultural and Animal production Research Institute for semi-Arid tropics on crops and then changed to National semi-Arid Resources Research Institute (NaSARRI) with the support from the government of Uganda and several donors especially world bank which provides the major funding.

1:2 LOCATION OF NaSARRI.

The National semi-Arid Resources Research Institute (NaSARRI) P.O BOX 56 Soroti Uganda or email <u>director@NaSARRI.org.ug</u>. is located 21km south west of Soroti City, Serere Town Council, Igola Cell\$.

1:3 THE VISION OF NaSARRI.

To be a market leader in generation and dissemination of appropriate crop technologies for sustainable development in semi-arid regions of Uganda.

1:4 THE MISSION.

To generate and disseminate agricultural production technologies and information for improved management and sustained integrated crop and natural resource management in the semi-Arid areas in partnership with other stake holders.

