





INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL SEMI ARID RESOURCES RESEARCH INSTITUTE (NaSARRI)

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CAMPUS

SUPERVISED BY

MR. OJUU DAVID.

DATE OF SUBMISSION. 7th | 09 | 2016

DURATION OF ATTACHMENT: 10 TEN WEEKS

FROM 16th MAY, 2016 TO JULY 22, 2016.

DECLARATION

I Aisu Annet Vicky declare that this report is my original work done under the guidance of my field supervisor, field technician at NaSARRI Serere and has not been presented to any other institution of higher learning for purpose of any academic award.

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DEDICATION:

This report is greatly dedicated to my dear parents, brothers and friends for the great support they offered to me during my internship, both financially and in prayers

I also dedicate my work to my supervisor at NaSARRI, MR. Kalule Okello David, academic supervisor Mr. Ojuu David and the field technicians Mr. Osia Paul and Mr. Ereu Samuel Ochuga who supported me greatly and enabled me to acquire a lot of skills and knowledge during my internship, may the almighty God bless your hands abundantly.

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These thanks still go to Mr. Osia Paul who stood greatly with me and sacrificed his time to guide me, encouraged and enlightened me in so many things during my internship

And finally I thank all my friends who assisted me in one way or the other may the living God Bless you all.



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LIST OF ABBREVIATIONS:

BUAC Busitema university Arapai campus

EU-IFAD European Union- International Funds for Agricultural Development

MRL Maximum Residual Limit

NARO National Agricultural Research Organization

NaSARRI National Semi-Arid Resources Research Institute

PCRSP Peanut Collaborative Research Support Program

DRCDirector Research Coordination

PMA Plan for Modernizing Agriculture.

SAARI Serere Agricultural and Animal Research Institute.

USA United States of America

DVT District variety trial

DCP Diploma in Crop Production and Management.

FPVS Farmers Participatory Variety Selection.

NAADS National Agricultural Advisory Services.

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ABSTRACT:

This report provides information on activities which I participated in the groundnut section during my internship training from NaSARRI Serere for 10 weeks from 16th may to 22nd July 2016 as directed by BUAC for award of certificate in DCP program and it consists of four chapters. Chapter one introduces the background of NaSARRI, location, mission, vision, mandate, objectives, department and organizational structure. Chapter two also shows background of groundnut, importance, its botanicals, agronomic practices like early planting, recommended spacing, weeding, and crop rotation and fertilizer application. Other aspects of pests and diseases and their control measures, groundnut improvement programs at NaSARRI like scouting flowers for emasculation in the glass house, crossing and tagging. In addition to that, disease identification was done for example groundnut rosette disease early and late leaf spot, groundnut leaf rust and aflatoxin and also pests like aphids, leaf minor, thrips and termites were visually identified practically in the field. I also had variety identification from serenut 1-14, serenut series advanced lines and Roguing. This report summarizes many different activities like data collection and here there are different types of data I collected like germination count at emergence, stand count, flower appear, rosette count, leaf spot and rust. Chapter three describes the skills gained, responsibility and how it will influence my future career are also included. And chapter four shows problems encountered, conclusions and recommendations.

1.0 CHAPTER ONE

This chapter explains the details of NaSARRI, its nature, values, and objectives among others.

1.1 INTRODUCTION

This organization is a government organization dealing in Agricultural research and it is supervised by the National Agricultural Research Organization (NARO)

The National Semi Arid Resource Research Institute (NaSARRI) is one of the five research institutes of the National Agricultural Research Organization (NARO). Its located in northwest agro-ecological zone of Serere district. It's about 2km from Serere town council along Serere –Soroti road.

1.2. Brief history of NaSARRI.

Agricultural research in NaSARRI started in a way back in 1920 by the colonial government. It was initially called SARRI after which it was then changed to carry out research for semi-arid tropics for crops and the name changed to National Semi Arid Resource research institute (NaSARRI), this was after following a thorough analysis and evaluation of agricultural research with the support of the government of Uganda and several donors especially world Bank which provide the major funding.

NaSARRI has made considerable progress since its creation. However, a new strategy has been developed a medium term plan (MTP) through a highly participatory country modernization of agriculture (PMA) NaSARRI is one of the agricultural research institute which is publically funded to carry out demand driven, problem solving and prioritizing agricultural research and accountability by the public.

1.3. (a) Mission

To generate and dissemination appropriate technologies and information for sustainable agricultural production economic growth and poverty eradication for semi-arid ecological zones,