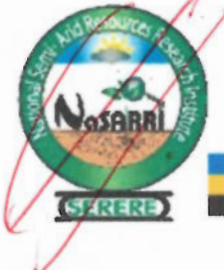


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INDUSTRIAL TRAINING REPORT FOR ACTIVITIES CARRIED OUT AT THE NATIONAL SEMI- ARID RESOURCES RESEARCH INSTITUTE (NaSARRI) IN SERERE DISTRICT FROM 28th FEB 2022 TO 6TH MAY 2022

COMPILED BY: ANGWEDO BRENDA

REGISTRATION NO: BU/UP/2019/2713

PROGRAMME: DIPLOMA IN CROP PRODUCTION AND MANAGEMENT (DCP)

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TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION OF BUSITEMA UNIVERSITY ARAPAI CAMPUS FACULTY OF AGRICULTURE AND ANIMAL SCIENCES IN PARTIAL FULFILMENT OF THE AWARD OF A DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

MAY 2022

DECLARATION

I **ANGWEDO BRENDA** do declare that this report is entirely an original documentation of my industrial training experience at NaSARRI, Serere district and it has never been submitted to any institution of higher learning for the award of Diploma in Crop Production and Management.

NAME OF STUDENT: **ANGWEDO BRENDA**

SIGNATURE:.....*B. Brenda*.....

DATE:.....*3rd / 05 / 2022*.....



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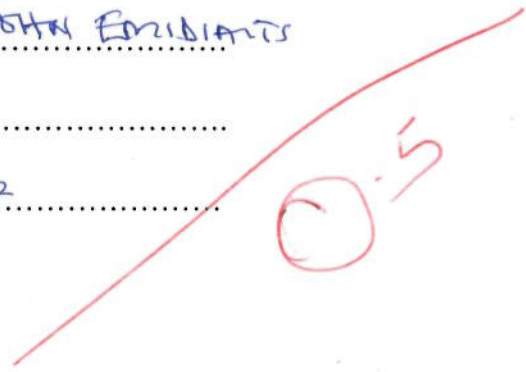
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DEDICATION

I dedicate this report to my family members especially my father **Mr. Ekaju John Peter** and my mother **Ariokot Edith** and all friends and relatives for their tireless support and guidance during my industrial training. May the Almighty GOD bless you all.



ACKNOWLEDGEMENT

My sincere thanks goes to the staff of NaSARRI who guided me through all the activities for the success of my training. I would like to appreciate the Director of NaSARRI **Dr. Ugen Michel** for granting me the opportunity to conduct my intern at the institution ,My field supervisor **Ms. Alepo Harriet Betty**, Farm manager **Mr. Okiring Joseph**, Programme leaders, Technicians and Field Assistants in their respective fields for their efforts. I would like to appreciate the staff of Busitema University Arapai Campus for implementing industrial training as one of the course modules which help students to carry out hand on skills in correlation to class room knowledge that boosts their agricultural experience which prepares them for a wide range of job market and thus effective extension service delivery.

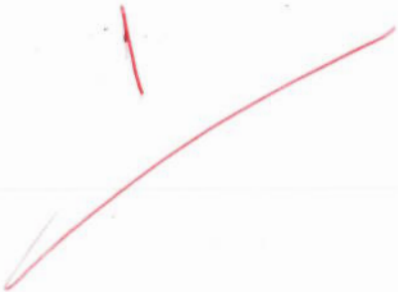


TABLE OF CONTENTS

DECLARATION	i
APPROVAL	ii
DEDICATION	iii
ACKNOWLEDGEMENT	iv
TABLE OF CONTENTS	v
LIST OF ABBREVIATION	vii
LIST OF TABLES AND FIGURES	viii
ABSTRACT	ix
CHAPTER ONE	1
1.0. INTRODUCTION	1
1.1. Background of NaSARRI	1
1.2. Location	1
1.3. Objectives of NaSARRI:.....	1
1.4. Mission of NaSARRI:.....	2
1.5. Vision of NaSARRI:.....	2
1.6. The mandate of NaSARRI:	2
1.7. Research programmes	2
1.8. Organisation structure of NaSARRI.....	3
CHAPTER TWO	4
2.0. DESCRIPTION OF ACTIVITIES CARRIED OUT DURING THE ATTACHMENT:.....	4
2.0.1 OIL CROPS RESEARCH PROGRAM.....	4
2.0.2. Groundnut.	4
2.0.3. Activities carried out under groundnut section.....	4
2.0.4. Breeding of groundnuts.....	4
2.0.5. Diseases of groundnuts:	5
2.0.6. Major pests of groundnuts:.....	7
2.1.0. FARM MANAGEMENT PROGRAMME.....	8
2.1.1 Metrology.....	8
2.1.2 Horticulture.	8
2.1.3. Cabbage Production.....	8

2.1.4. Common pest that attack cabbage.....	9
2.1.5. Diseases that attack cabbage.....	10
2.1.6. Pastures.....	10
2.1.7. Activities carried out under pasture section;.....	10
2.1.8. Animal fraction section.....	11
2.2.0. DRYLAND CEREALS PROGRAMME.....	12
2.2.1. Sorghum section. (<i>Sorghum bicolor</i>).....	12
2.2.2. Pest that attack sorghum and their management.....	13
2.2.3. Disease management.....	13
2.3.0. DRYLAND LEGUMES RESEARCH PROGRAM.....	14
2.3.1. Cowpea production.....	14
2.3.2. Pest and disease identification in Cow pea.....	15
2.3.3. Common pests of legumes:.....	16
2.3.4. Varieties of cow pea.....	17
CHAPTER THREE.....	19
3.0. IMPACTS OF THE FIELD ATTACHMENT/INDUSTRIAL TRAINING:.....	19
3.1. SKILLS AND KNOWLEDGE GAINED DURING THE INDUSTRIAL TRAINING:.....	19
3.2. RESPONSIBILITY I UNDERTOOK DURING THE INDUSTRIAL TRAINING:.....	19
3.3. INFLUENCE OF INDUSTRIAL TRAINING TO YOUR FUTURE CARRIER PLANS.....	19
3.4. CORRELATION OF THE ATTACHMENT ACTIVITIES WITH CLASSROOM KNOWLEDGE:.....	19
3.5. CHALLENGES EXPERIENCED DURING THE INDUSTRIAL TRAINING:.....	19
CHAPTER FOUR.....	20
4.1 Conclusion:.....	20
4.2 Recommendations;.....	20
APPENDICES.....	21
APPENDIX A: WORK PLAN.....	21
APPENDIX B: A MAP OF NaSARRI.....	23
APPENDIX C: PHOTOS.....	24
REFERENCES.....	25

LIST OF ABBREVIATION

BUAC.....Busitema University Arapai Campus.

NaSARRI.....National Semi-Arid Resources Research Institute.

NARO.....National Agricultural Research Organization.

PARIS.....Public Agricultural Research Institutes

SAARI.....Serere Agricultural and Animal Research Institute

ICRISAT.....International Crop Research Institute for Semi-Arid Tropics

SESO.....Serere Sorghum

IARC.....International Agricultural Research Centre

MS.....Miss

Mr.....Mister

e.g.....For example given



LIST OF TABLES AND FIGURES

Tables

Table 1: showing the comparison between early and late leaf spot in groundnuts

Table 2: showing common pest of cabbage

Table 3: Showing common diseases of cabbage

Table 4: Showing common pests that attack sorghum.

Table 5: Showing common diseases that attack sorghum

Table 6: Showing varieties of sorghum

Table 7: showing the diseases of cow pea, their damage /symptoms and control measures.

Table 8: Showing common pests of legumes, the damage they cause and the control measures.

Table 9: Showing the released varieties of cow pea at NaSARRI and their colours.

Figures

Fig. 1: Planting cabbages in the nursery

Fig. 2: Field marking

Fig. 3: Selection of Groundnut trials

Fig. 4: Emasculation of groundnuts

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ABSTRACT

The industrial training was carried out at NaSARRI in Serere district for a period of 10 weeks from 28th Feb.2022-6th May 2022, It was aimed at equipping students with practical knowledge and professional skills in correlation with classroom work. During my training I was attached to different programmes like oil crop programme, dry land legumes, dry land cereals, fibre crop and farm management programme. Under the above programmes, I was able to conduct a number of activities which include the following; Field marking to determine the correct plant spacing and plant population, Emasculation, pollination and crossing in different crops, thinning in sorghum, raising of nursery beds for vegetable growing, planting of finger millet in rows, pest and disease identification, post-harvest handling and many others. However, I encountered some challenges during my industrial training like unfavourable climate conditions [prolonged drought] that interfered with many activities which were to be done, inadequate tools and equipments to be used at the field. In conclusion, the training was successfully done because I was able to acquire more of practical knowledge and skills in relation to my class room theory like identification of common pests and diseases that attack crops and their control measures, plant breeding, agronomic practices, identification of different crop varieties in different programmes. Finally, I recommend that the university should give students more time to do more practicals during industrial training and to the Institution, more tools and equipments should be provided for effective practice.

5

CHAPTER ONE

1.0 INTRODUCTION

Industrial Training was conducted at the National Semi-Arid Resources Research Institute from 28th FEB 2022 to 6th MAY 2022 IT is one of the modules that exposes students to practical skills in correlation to class room theory. Its main objective is to enable students acquire practical knowledge in Agricultural research and other related activities and techniques. The training was carried out in different programmes in a rotational manner.

1.1 Background of NaSARRI.

The National Semi-Arid Resources Research Institute (NaSARRI) is one of the 17th Public Agricultural Research institutes (PARIs) of the National Agricultural Research Organisation (NARO) established by the National Research Act 2005. NaSARRI started its operation in 1920. It was formally called SAARI and later changed to NaSARRI. It was initially established as an experimental station for ox-cultivation which was used to support cotton production in Teso.

1.2 Location

NaSARRI is located in Eastern Agro-ecological Zone in Serere district, about 27 km south of Soroti City in Serere town council, Okulonyo ward, Igola village.

1.3 Objectives of NaSARRI:

- To generate, package and disseminate appropriate agricultural production technologies to improve sustainable development
- NaSARRI conducts research on mandated crops like cereals i.e. finger millet, pearl millet, sorghum, etc., oil crops e.g. groundnuts, sun flower, sesame and legumes like green gram, pigeon peas and cow peas