



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

4 (52/6)

P.O.Box 236, Tororo
Gen: +256-454448842
Dir: +256-454448864
Mob: +256-782999874
Fax: +256-454436517
Email: ar@acadreg.busitema.ac.ug
Website: www.busitema.ac.ug

**A REPORT OF INDUSTRIAL TRAINING CARRIED OUT AT AGDI DAIRY FARM IN
KIRUHURA DISTRICT FROM 28th FEBRUARY TO 6th MAY 2022**

COMPILED BY;

NKWATSIBWE NORMAN

BU/UP/2019/1033

nkwatsibwenorman@gmail.com

SUPERVISOR'S NAME: TURYASINGURA GEOFFREY

**AN INDUSTRIAL TRAINING REPORT SUBMITTED TO THE DEPARTMENT OF
ANIMAL PRODUCTION AND MANAGEMENT IN PARTIAL FULFILLMENT FOR THE
AWARD OF THE DEGREE OF BACHELOR IN ANIMAL PRODUCTION AND
MANAGEMENT OF BUSITEMA UNIVERSITY.**



DECLARATION

I declare that this report was out of my devoted work but not from somebody else and has not yet been awarded academic credit from any university or institution.

STUDENT

NAME:Date.. NKWATSIBWE NORMAN

FIELD SUPERVISOR

NAME:

Sign. 

Date. 3/05/2022

ACADEMIC SUPERVISOR

NAME: TURTASINGURA GEOFFREY

Sign. for 

Date. 18/05/2022

DEDICATION

I dedicate this report work to my almighty God for the support he gave me during the time of conducting industrial training. Secondly, I dedicate it to my academic supervisor Dr. TURYASINGURA GEOFFREY and my field supervisor Mr. KYEYUNE DAN, and to all the university lecturers like Mr. and Mr. for the great advice they gave and not forgetting all the staff of AGDI DAIRY FARM Ltd. Lastly, dedication goes to my parent KAMUNTU GEORGE my father, KEMIGISHA PHIONAH my mother for supporting me financially and all my friend who has been with me throughout my industrial training, giving me all kind of support and advice for the success of my education.



ACKNOWLEDGEMENT

First and foremost, I would like to thank the Almighty GOD who has protected me through the training period. Then, I extend my gratitude to the Human Resource AGDI DAIRY FARM LIMITED, Mr.Kansime Grace and the entire staff of Agdi Dairy farm for accepting me to do my industrial training on their farm.

Special thanks go to;

- The managing Director Col.Dick Bugingo
- The assistant manager at Agdi Dairy Farm, Mr.Kansiine Grace.
- And all the field assistants Mr. Kyeyune Dan and the rest

I also wish to extend my sincere gratitude and appreciation to my fellow coursemates

- My coursemates especially Brian, Fortunate, Kwesiga, with whom we cooperated during our stay at Agdi Dairy Farm.

May God bless and reward you all abundantly for the kindness and sympathy towards my during the training.

2

Table of Contents

DECLARATION	ii
INTRODUCTION	1
1.1 Introduction.....	1
1.2 Background of AGDI dairy farm	1
1.3 LOCATION	1
1.4 VISSION.....	1
1.5 MISSION	1
1.6 OBJECTIVES OF THE FARM.....	1
1.6 Beneficiaries of AGDI dairy farm	2
1.7 Objectives of the industrial training	2
1.8 Natural Endowment	2
1.8.1 Vegetation.....	2
1.8.2 Climate	2
Figure 1	3
1.9 AGDI DAIRY FARM ORGANISATIONAL STRUCTURE	3
2.0 CHAPTER TWO	4
2.1 Description of the attachment.	4
2.2 WORKING STATION	5
2.3 DAIRY SECTION	5
2.3.1 Pasture Management:	5
2.3.2 Milking:	5
2.3.3 Mastitis testing:	6
2.4 CALF MANAGEMENT SECTION	7
2.4.1 Bucket feeding:	7
2.4.1 Branding activity:.....	7
2.5 TICK CONTROL ACTIVITIES	7
2.5.1 Cattle crush construction:.....	7
2.5.3 Spray race replenishment.....	7
2.5.4 Procedure for replenishing	8
2.5.5 Spray recharging	8
2.5.6 Procedure.....	8

2.6 DISEASE DIAGNOSIS AND TREATMENT.	8
2.6.1 Anaplasmosis;	9
2.6.2 East Coast Fever:	9
2.6.3 Foot rot:	9
2.6.4 Lumpy skin;	9
2.6.5 Snake bite;	9
2.6.6 Dystocia;	9
2.7 VACCINATION:	9
2.8 DEWORMING:	10
2.9 ARTIFICIAL INSERMINATION:	10
2.10 Castration of bulls	10
2.10.1 Reasons for carrying out castration	10
2.10.2 Methods of castration	11
2.10.2.1 Open Castration.	11
2.10.2.2 After care.	11
2.11 Animal treatment	11
2.11.1 Deworming cattle.	11
2.11.2 Treatment of cattle against trypanasomiasis	11
2.12 Goats.	12
2.12.1 The small east African goats.	12
2.12.2 The Boer goat (South African common goat)	12
2.12.3 Housing for Goats	12
2.12.3.1 Importance of housing goats.	12
2.12.4 Castration of goats	13
2.12.4.1 Reasons for carrying out castration	13
2.12.4.2 Methods of castration	13
2.12.4.2.1 Open Castration.	13
2.12.4.2.2 After care.	14
2.12.5 Animal treatment	14
2.12.5.1 Deworming goats	14
2.12.5.2 Treatment of goats also against trypanasomiasis.	14
2.13 Silage and Hay making.	14

2.13.1 Hay making:	14
2.13.1.1 Principles of hay making:	14
2.13.1.2 Types of hay;.....	15
2.13.1.3 Causes of losses during hay making:.....	15
2.13.1.4 Hay making activities.....	15
2.13.1.4.1Cutting:.....	15
2.13.1.4.2Drying:.....	15
2.13.1.4.3Bailing:.....	15
2.13.1.4.4 Storage of hay	15
2.13.1.4.5 Characteristics of good quality hay	15
2.13.2 Silage Making;.....	16
2.13.1Ensiling;.....	16
2.13.2 Silo:	16
2.13.3 Types of silos:	16
2.13.3.1 Tower Silo:.....	16
2.13.3.1Trench silo:.....	16
2.13.3.2 Bunker silo:	16
2.13.3.3 Pit silo:.....	17
2.13.4 Considerations when making good quality silage.	17
3.0 IMPACT OF ATTACHMENT	20
3.1 Social conditions	20
3.5 Work climate	21
3.6 Mentoring condition.....	21
3.7Challenges faced	21
3.8 Responsibilities conducted during the training	21
4.0 CHAPTER FOUR.....	22
4.1 Conclusions	22
4.2Recommendation.....	22
4.3 APPENDICES	23
4.3.1 Appendices 1	23
INDUSTRIAL TRAINING WORK PLAN FROM WEEK ONE TO WEEK TEN	23

~~18~~ /

LIST OF ABBREVIATIONS.

- AI: Artificial Insemination
- AGDI: Agnes and Dick Dairy farm
- DM: Dry Matter
- ECF: East Coast Fever
- i.e.: that is to say
- Kgs: Kilograms
- LSD: Lumpy skin disease
- Mls: Mills
- NAGRC: National Animal Genetic Resource Centre and Data Bank.

LIST OF FIGURES AND TABLES

Table 1: Shows group members and their respective institutes

Figure 1: Shows the Organisational structure of Agdi Dairy farm

Table 2: Shows the appearance of a milking chart

Table 3: Shows the work plan for the industrial training from 1st week to 10th week

Figure 2: Shows milk handling and testing

Figure 3: Shows spraying of calves

Figure 4: Shows harvesting of Silage

Figure 5: Making of tube silage

10

ABSTRACT

This report contains and describes the activities implemented, skills and qualifications gained, challenges faced during the industrial training, conclusion of the report and recommendations derived from the challenges faced at Agdi Dairy farm. The objective of this industrial training is to make students benefit from the skills and knowledge gained from the fields, apply the knowledge they get from the classroom in the field and build confidence in the students. During internship I was attached to the department of animal production. This was followed by orientation where I was first introduced to the farm manager and later I implemented the activities such as castration of bulls for fattening, milking animals. These activities have made me to gain a lot of skills and knowledge like; Deworming of goats and cattle, skills in Castration, skills in general management of animals, During internship, I also faced some challenges like there was no use of electricity which hindered our work, The place was too bushy resulting into mosquitoes which caused malaria. In conclusion all the activities were done and industrial training was carried out successfully. I was able to gain a lot of skills from it. I was in position of getting practical skills and knowledge in line with my career and relating with people in the field. Much as all were successfully done.

4

CHAPTER ONE.

INTRODUCTION

1.1 Introduction.

AGDI dairy farm is a private owned farm. This farm mainly operates in animal sector specializing on three main enterprises; dairy cattle, sheep and goats

This report describes the activities implemented, skills and knowledge gained, challenges faced during the internship, conclusion of the report and recommendations derived from the challenges faced at AGDI dairy farm during the time of industrial training.

1.2 Background of AGDI dairy farm

AGDI dairy Farm started as a family business in 2000 and later registered as a business company that aims at promoting dairy farming for job creation, increased house hold incomes, and poverty alleviation. The farm started with Ankole long horned cattle and Borans but in 2008 the farm transformed to dairy farming. A business plan was developed with support from the private sector foundation. The business plan focused on dairy farming with a core business of sale of milk, heifers, dairy feeds and service provision

1.3 LOCATION

AGDI dairy farm is located at kyakabunga village in Nyabushozi Sub County in Kiruhura district

1.4 VISSION

A Uganda where dairy farming is a profitable, competitive, sustainable to provide jobs and income security to Ugandans.

1.5 MISSION

To grow as modern dairy incubation centre and enhance practical skills and commercial dairy farming by involving youth and women in the dairy sector

1.6 OBJECTIVES OF THE FARM

- ✓ Skills training the youth for dairy entrepreneurship and employment
- ✓ Breeding for quality and increased production
- ✓ Dairy farm institution development through business development services
- ✓ Production of animal feeds for higher yields