

PASTURE AND FODDER PRODUCTION

ISCED UNIT CODE: 0811 541 31A

TVET CDACC UNIT CODE: HE/CU/AHP/CC/13/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Apply knowledge of pasture and fodder production.

UNIT DURATION: 50 Hours

Unit Description

This unit specifies the competencies required by an animal health and production technologist in order to apply knowledge of pasture and fodder production. It involves classification, establishment and conservation of pasture and fodder.

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Classify pasture and fodder	15
2.	Establish pasture and fodder	20
3.	Conserve pasture and fodder	15
Total		50

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Classify pasture and fodder	1.1. Pasture classification 1.1.1. Pastures 1.1.2. Rhodes grass 1.1.3. Brachiaria 1.1.4. Napier grass 1.1.5. Guatemala grass	<ul style="list-style-type: none">• Practical• Project• Portfolio of evidence• Third party report• Written assessment• Oral questioning

	<p>1.1.6. Kikuyu grass</p> <p>1.1.7. Sudan grass</p> <p>1.1.8. Lucerne</p> <p>1.1.9. Desmodium</p> <p>1.1.10. Calliandra</p> <p>1.1.11. White clover</p> <p>1.1.12. Hydroponic fodder</p> <p>1.1.13. Black soldier fly</p> <p>2.2. Agro-ecological zones</p> <p> 2.2.1. Upper Highland</p> <p> 2.2.2. Upper Midland</p> <p> 2.2.3. Lower highland</p> <p> 2.2.4. Lower midland</p> <p>2.3. Classes of forage plants</p> <p>2.4. Selection of forage species</p>	
3. Establish pasture and fodder	<p>1.1. Methods of pasture establishment</p> <p>1.2. Seeding methods and rates</p> <p>1.3. Methods of weed control and management</p> <p>1.4. Methods of natural pasture management</p> <p> 1.4.1. Grazing systems</p> <p> 1.4.2. Zero grazing</p> <p> 1.4.3. Herding</p> <p> 1.4.4. Rotational grazing</p> <p> 1.4.5. Paddocking</p>	<ul style="list-style-type: none"> • Practical • Project • Portfolio of evidence • Third party report • Written assessment • Oral questioning
2. Conserve pasture and fodder	<p>2.1. Introduction to pasture and fodder conservation</p> <p>2.2. Methods of forage conservation</p> <p> 2.2.1. Silage</p> <p> 2.2.2. Hay making</p> <p>2.3. Emerging trends in pasture establishment and conservation</p>	<ul style="list-style-type: none"> • Practical • Project • Portfolio of evidence • Third party report • Written assessment • Oral questioning

Suggested Methods of delivery

- Practical

- Projects
- Demonstrations
- Group discussion
- Direct instructions

Recommended Resources for 25 Trainees

S/No.	Category/Item	Description/ Specification	Quantity	Recommended Ratio (Item: Trainee)
	Learning materials			
1.	Projector		1	1:25
2.	Whiteboard/Smart board		1	1:25
3.	Desktop/computer		1	1:25
4.	Lecture/Theory room		1	1:25
5.	Animal farm	As guided by KVB	1	1:25
6.	Library		1	1:25
7.	5 liter Molasses		1	1:25
8.	Water can		5	1:5
9.	Pit silo		1	1:25
10.	Silage pack		1	1:25
11.	100gms fodder seeds		1	1:25
12.	Chaff cutter		1	1:25
13.	E-Library		1	1:25