

RUMINANT LIVESTOCK PRODUCTION SYSTEMS

UNIT CODE: 0811 441 16A

TVET CDACC UNIT CODE: HE/CU/AHP/CC/13/5/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Apply knowledge of ruminant livestock production systems.

UNIT DURATION: 60 Hours

Unit Description

This unit specifies the competencies required by an animal health and production technician in order to apply knowledge of livestock production systems for ruminants. It involves managing ruminant production systems, carrying out routine ruminant practices and determining the economic implications of keeping ruminants.

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Manage ruminant production systems	30
2.	Carry out routine ruminant practices	20
3.	Determine economic implications of ruminant keeping	10
Total		60

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Manage ruminant production systems	1.1 Ruminant production systems 1.1.1 Extensive 1.1.2 Intensive 1.1.3 Semi-intensive 1.2 Ruminant structures 1.2.1 Zero grazing 1.2.2 Dip 1.2.3 Calf pen 1.2.4 Stalls 1.3 Application of ruminant production systems	<ul style="list-style-type: none"> ● Practical ● Project ● Written tests ● Third party report ● Portfolio of evidence ● Oral questions
2. Carry out routine ruminant practices	2.1 Ruminants feeding 2.2 Ruminants health practices 2.3 Ruminant records 2.3.1 Breeding records 2.3.2 Feeding records 2.3.3 Health records	<ul style="list-style-type: none"> ● Practical ● Project ● Written tests ● Third party report ● Portfolio of evidence ● Oral questions
3. Determine economic implications of ruminant keeping	3.1 Economic implications of ruminant keeping/Opportunities in ruminant productions 3.2 Ruminant production constraints 3.3 Economic roles of ruminants in Kenya's economy	<ul style="list-style-type: none"> ● Practical ● Project ● Written tests ● Third party report ● Portfolio of evidence ● Oral questions

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)
A	Learning materials			
1	Projector	EPSOM	1	1:25
2	Whiteboard/Smartboard	2.5 By 1.5.M	1	1:25
3	Desktop/computer		1	1:25
B	Learning Facilities & Infrastructure			
1	Lecture/Theory room	With at least 25 seats	1	1:25
2	Animal farm	With ruminant animals	1	1:25
3	Ruminant structures	Zero grazing, Dip, Calf pen, Stalls	1	1:25
4	Library	Equipped with ruminant livestock books and E-section	1	1:25
C	Consumable Materials			
D	Tools and Equipment			