

APPLY KNOWLEDGE OF RUMINANT LIVESTOCK PRODUCTION SYSTEMS

UNIT CODE: 0811 441 16A

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

UNIT DESCRIPTION

This unit specifies the competencies required by an animal health 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.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements <i>(Bold and italicized terms are elaborated in the range)</i>
1. Manage ruminant production systems	1.1 <i>Ruminant production systems</i> are managed as per livestock production manual. 1.2 Ruminant structures are managed as per the livestock production manual. 1.3 Ruminant production systems knowledge in animal health is applied as per livestock production manual.
2. Carry out routine ruminant practices	2.1 Ruminants are fed as per livestock production manual. 2.2 Ruminants health practices are managed as per work procedure 2.3 <i>Ruminant records</i> are documented as per livestock production manual
3. Determine economic implications of ruminant keeping	3.1 Ruminant production opportunities in Kenya are applied as per work requirement 3.2 Ruminant production constraints are managed as per work requirement

	'3.3 Ruminant roles in the economy knowledge is applied as per work requirement.
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RANGE

This section provides work environment and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Ruminants production systems may include but are not limited to:	<ul style="list-style-type: none"> ● Extensive ● Intensive ● Semi-intensive
2. Ruminants may include but are not limited to:	<ul style="list-style-type: none"> ● Cattle ● Sheep ● Goat ● Camel
3. Ruminants records may include but are not limited to:	<ul style="list-style-type: none"> ● Breeding records ● Feeding records ● Health records ● Production records

REQUIRED KNOWLEDGE AND SKILLS

This section describes the knowledge and skills required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills:

- Communication skills
- Computer skills
- Data handling
- Animal husbandry
- Animal handling

Required knowledge

- The individual needs to demonstrate knowledge of:
- Traits of economic importance
- Animal health
- Animal behaviour
- Animal anatomy and physiology
- Animal registration procedure
- Environment protection laws and regulations
- Waste management and disposal methods
- Farm structures

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills range.

<p>1. Critical aspects of competency</p>	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Managed ruminant production systems as per livestock production manual.</p> <p>1.2 Managed ruminant structures as per the livestock production manual.</p> <p>1.3 Applied ruminant production systems knowledge in animal health as per livestock production manual.</p> <p>1.4 Fed ruminants as per livestock production manual.</p> <p>1.5 Managed ruminants health practices as per work procedure</p> <p>1.6 Documented ruminant records as per livestock production manual</p>
<p>1. Resource implications</p>	<p>The following resources must be provided:</p> <p>2.1 Appropriately simulated environment where assessment can take place</p> <p>2.2 Access to relevant work environment</p> <p>2.3 Resources relevant to the proposed activities or tasks</p>

2. Methods of assessment	Competency may be assessed through: <ul style="list-style-type: none">● Practical● Project● Written tests● Third party report● Portfolio of evidence● Oral questions
3. Context of assessment	Competency may be assessed in a: Workplace or simulated workplace.
4. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector and workplace job role is recommended.