

DRAUGHT ANIMALS MANAGEMENT

UNIT CODE: 0811 551 25A

TVET CDACC UNIT CODE: AGR/CU/AP/CR/01/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Manage draught animals.

Duration of the unit: 80 Hours

UNIT DESCRIPTION

This unit describes knowledge, skills and attitudes required to carry out camel, donkey and horse production. It involves carry out camel production, carry out donkey production and carry out horse production.

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Carry out camel production	30
2.	Carry out donkey production	20
3.	Carry out horse production	20
Total		80

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Carry out camel production	1.1. Camel production structures <ul style="list-style-type: none">• Crushes• Milking parlour	<ul style="list-style-type: none">• Written assessment• Practical• Projects

	<ul style="list-style-type: none"> • Barn • Feeding facility • Camel shed • Camel dips • Feed storage facility <p>1.2. Identification methods</p> <ul style="list-style-type: none"> • Ear tags • Ear notching • Branding • Neck chains • Straps with numbers • Ear tattooing <p>1.3. Construction materials for camel production structures</p> <ul style="list-style-type: none"> • Timber • Iron sheets • Cement • Nails • Pipes <p>1.4. Tools and equipment for camel production.</p> <p>1.5. Construction of camel production structures</p> <p>1.6. Camel breeds</p> <ul style="list-style-type: none"> • Dromendary • Bactrian • Somali • Rendille/ Gabbras • Turkana • Pakistani <p>1.7. Breed selection</p>	<ul style="list-style-type: none"> • Third party report • Portfolio of evidence • Oral questions
--	--	---

	<p>1.8. Heat signs</p> <p>1.9. Rutting signs</p> <p>1.10. Camel breeding</p> <p>1.11. Pregnancy diagnosis</p> <p>1.12. Parturition management</p> <p>1.13. Camel calf rearing</p> <p>1.14. Milking methods and techniques</p> <p>1.15. Routine management practices</p> <p>1.16. Marketing of camel products and by-products</p> <p>1.17. Camel production records</p>	
<p>2. Carry out Donkey production</p>	<p>2.1. Donkey farm layout</p> <p>2.2. Donkey production structures</p> <ul style="list-style-type: none"> • Crushes • Barn • Feeding facility • Donkey shed • Donkey dips • Feed storage facility <p>2.3. Identification methods</p> <ul style="list-style-type: none"> • Ear tags • Ear notching • Branding • Neck chains S • Straps with numbers • Ear tattooing <p>2.4. Construction materials for donkey production structures</p> <ul style="list-style-type: none"> • Timber • Iron sheets 	<ul style="list-style-type: none"> • Written assessment • Practical • Projects • Third party report • Portfolio of evidence • Oral questions

	<ul style="list-style-type: none">• Cement• Nails• Pipes <p>2.5. Tools and equipment for donkey production.</p> <p>Construction of donkey production structures</p> <p>2.6. Donkey breeds</p> <ul style="list-style-type: none">● East African● Maasai● Somalia <p>2.7. Breeding male selection</p> <p>2.8. Heat signs</p> <p>2.9. Donkey breeding</p> <ul style="list-style-type: none">• Natural• Artificial insemination• Embryo transfer <p>2.10. Pregnancy diagnosis</p> <p>2.11. Parturition management</p> <p>2.12. Donkey calf rearing</p> <p>2.13. Milking techniques</p> <ul style="list-style-type: none">• Stripping method• Full hand method• Knuckling method• Machine milking <p>2.14. Routine management practices</p> <ul style="list-style-type: none">● Housing● Feeding● Hoof care● Dental care	
--	---	--

	<ul style="list-style-type: none"> ● Handling and Training ● Record keeping ● Deworming <p>2.15. Marketing of donkey products and by-products</p> <p>2.16. Donkey production records</p>	
<p>3. Carry out Horse production.</p>	<p>3.1. Horse rearing structures</p> <ul style="list-style-type: none"> ● Crushes ● Barn ● Feeding facility ● Horse shed ● Horse dips ● Feed storage facility <p>3.2. Horse breeds and their characteristics</p> <ul style="list-style-type: none"> ● Light horses ● Draft horses ● Ponies ● Gaited horses ● Warmbloods <p>3.3. Breeding in horses</p> <p>3.4. Selection of stallion and mare</p> <p>3.5. Heat detection</p> <p>3.6. Breeding methods</p> <ul style="list-style-type: none"> ● Natural ● Artificial insemination ● Embryo transfer <p>3.7. Pregnancy diagnosis</p> <p>3.8. Pregnancy management</p> <p>3.9. Foaling and foal management</p> <p>3.10. Foaling weaning</p>	<ul style="list-style-type: none"> ● Written assessment ● Practical ● Projects ● Third party report ● Portfolio of evidence ● Oral questions

	<p>3.11. Routine management practices</p> <ul style="list-style-type: none"> • Housing • Feeding • Hoof care • Dental care • Handling and Training • Record keeping • Deworming <p>3.12. Bio-security practices</p> <ul style="list-style-type: none"> • Fencing • Footbath • signage <p>3.13. Records management</p>	
--	---	--

Suggested methods of delivery

- Practical
- Project
- Demonstration
- Group Discussions
- Direct instruction

Recommended resources for 25 trainees

S/No.	Category/Item	Description/ Specifications	Quantity	Recommended Ratio (Item: Trainee)
A	Learning Materials			
1	Charts	Flip Charts Rules and Regulations	5	1:5
2.	Markers	whiteboard markers and	50	1:1

		permanent markers		
3.	Video clips Audio tapes	MP4, MP3	5	1:5
4.	Newspapers and Handouts	Daily	25	1:1
5.	Business Journals	Annual, Monthly, Daily	25	1:1
B	Learning Facilities & Infrastructure			
1.	Lecture/Theory Room	(9* 8 sq. metres)	1	1:25
2.	Internet Connection	WI-FI, Dial-Up, Cable, Fixed-wireless,	1	1:25
3.	2 Crushes	Surrounding fish pond	1	2:25
	Milking parlour		1	1:25
	Barn		1	1:25
	Feeding facility		5	1:5
	Camel shed		1	1:25
	Feed storage facility		2	2:25
4.		sufficient	1	1:25
C	Consumable Materials			
1.	Flashcards	Alphabet, Numbers, Math	25	1:1
2.	Stationery	Printing Papers, and Exercise Books Sizes A4, A3, A2 etc	5 reams	1:5
.3.		sufficient	5	2:5
4.	Timber	any	sufficient	
5.	Iron sheets	any	sufficient	

6.	Cement	any	sufficient	
7	chemicals	<ul style="list-style-type: none"> • Insecticides 	sufficient	
		<ul style="list-style-type: none"> • Larvicides 	sufficient	
		<ul style="list-style-type: none"> • Rodenticides 	sufficient	
	<ul style="list-style-type: none"> • Lethal ovitraps 			
D	<ul style="list-style-type: none"> • Repellent 			
1.	Computers/Laptops	Any model	1	1:25
2.	Projector	LED.LCD, Laser	5	1:5
3.	Whiteboard	Glass, melamine, porcelain	1	1:25
4.	Laboratory	Well equipped	1	1:25
5.	Ear tags	any	5	1:5
6	Branding tool	any	5	1:5
7.	Neck chains	any	5	1:5
8.	Straps with numbers	any	1	1:25
9.	Ear tattooing tool	any	2	2:25
10.	Milking bucket	Steel	5	1:25
	Milk strainer		5	1:25
	Milk churn	Steel	5	1:25
	Milk weighing scale	any	2	2:12

	Milking salve Strip cup	any	3	3:8
F	Specimen			