

DAIRY YOUNG STOCK REARING

ISCED UNIT CODE: 0811 241 04A

TVETCDACC UNIT CODE: DA/CU/FM/CR/04/3/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Rear dairy young stock

Duration of Unit: 80 hours

Unit Description

This unit specifies the competencies required to rear dairy young stock. It involves preparing to rear dairy young stock, rear dairy young stock, evaluate rearing of dairy young stock and complete rearing of dairy young stock

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Prepare to rear dairy young stock	20
2.	Rear dairy young stock	30
3.	Evaluate rearing of dairy young stock	15
4	Complete rearing of dairy young stock	15
Total		80

Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Prepare to rear dairy young stock	<p>1.1. Young stock management tools, equipment, materials and supplies</p> <ul style="list-style-type: none"> 1.1.1. Identification 1.1.2. Castration 1.1.3. Disbudding / dehorning 1.1.4. Hoof trimming 1.1.5. Young stock handling 1.1.6. Weighing <p>1.2. Structures for managing young stock</p> <p>1.3. Steaming up</p> <p>1.4. Parturition signs</p> <p>1.5. Occupational safety and health standards</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party reports • Interviewing
2. Rear dairy young stock	<p>2.1. Young stock nutritional requirements</p> <ul style="list-style-type: none"> 2.1.1. Colostrum feeding 2.1.2. Foster feeding 2.1.3. Roughage feeding <p>2.2. Identification methods</p> <ul style="list-style-type: none"> 2.2.1. Ear tagging 2.2.2. Ear notching 2.2.3. Tattooing 2.2.4. Branding 2.2.5. Electronic transponders <p>2.3. Young stock housing</p> <p>2.4. Young stock handling and restraining</p> <p>2.5. Young stock health care</p> <p>2.6. Disbudding methods</p>	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party reports

Learning Outcome	Content	Methods of assessment
	2.6.1.Hot iron 2.6.2.Chemical (caustic soda)	
3. Evaluate rearing of dairy young stock	3.1.Young stock weighing 3.2.Parturition process 3.2.1.Dystocia 3.2.1.1. Types of dystocia 3.2.1.2. Causes of dystocia.	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party reports
4. Complete rearing of dairy young stock	4.1.Methods of castration 4.1.1.Open castration 4.1.2.Closed castration 4.2.Weaning process 4.3.Housing hygiene 4.4.Waste management.	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing

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Suggested Methods of Instruction

- Demonstration by trainer
- Practice by the trainee
- Field trips
- Discussions
- Direct instruction

Recommended Resources for 25 Trainees

Functional dairy farm with the following:		
• Maternity pens • Ropes	• Identification equipment and materials	• Feeding stalls • Feeding and watering

<ul style="list-style-type: none"> • Disinfectants • Navel clips • Housing pens • Feeding bottles and buckets • Weighing bands / bridge 	<ul style="list-style-type: none"> • Feed rations • Holding crush • Hay barns, silos and feed stores • Cleaning materials and equipment 	<ul style="list-style-type: none"> troughs • Water • PPEs • Waste management equipment and material
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