

## DAIRY YOUNG STOCK REARING

**UNIT CODE:** 0811 341 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	20
3.	Evaluate rearing of dairy young stock	20
4	Complete rearing of dairy young stock	20
<b>Total</b>		<b>80</b>

### Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Prepare to rear dairy	1.1. Young stock management tools, equipment, materials and supplies 1.1.1. Identification	<ul style="list-style-type: none"><li>• Written tests</li><li>• Observation</li></ul>

Learning Outcome	Content	Methods of assessment
young stock	1.1.2. Castration 1.1.3. Disbudding / dehorning 1.1.4. Hoof trimming 1.1.5. Young stock handling 1.1.6. Weighing 1.2. Structures for managing young stock 1.3. Occupational safety and health standards	<ul style="list-style-type: none"> <li>• Oral questions</li> <li>• Third party reports</li> <li>• Interviewing</li> </ul>
2. Rear dairy young stock	2.1. Young stock nutritional requirements <ul style="list-style-type: none"> <li>2.1.1. Colostrum feeding</li> <li>2.1.2. Foster feeding</li> <li>2.1.3. Roughage feeding</li> </ul> 2.2. Identification methods <ul style="list-style-type: none"> <li>2.2.1. Ear tagging</li> <li>2.2.2. Ear notching</li> <li>2.2.3. Tattooing</li> <li>2.2.4. Branding</li> <li>2.2.5. Electronic transponders</li> </ul> 2.3. Young stock health care <ul style="list-style-type: none"> <li>2.3.1. Implement vaccination programs against endemic diseases</li> <li>2.3.2. Endo and Ecto - parasite control</li> <li>2.3.3. Quarantining</li> <li>2.3.4. Disease notification               <ul style="list-style-type: none"> <li>2.3.4.1. Disbudding methods</li> <li>2.3.4.2. Hot iron</li> <li>2.3.4.3. Chemical (caustic soda)</li> </ul> </li> </ul> 2.4. Young stock handling and restraining	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> <li>• Third party reports</li> </ul>
3. Evaluate rearing of dairy young stock	<ul style="list-style-type: none"> <li>• Young stock weighing</li> <li>• Parturition process               <ul style="list-style-type: none"> <li>✓ Dystocia</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> </ul>

Learning Outcome	Content	Methods of assessment
		<ul style="list-style-type: none"> <li>• Third party reports</li> </ul>
4. Complete rearing of dairy young stock	<ul style="list-style-type: none"> <li>● Methods of castration</li> <li>● Weaning process</li> <li>● Housing hygiene</li> <li>● Waste disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> </ul>

### Suggested Methods of Instruction

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

### Recommended Resources

Functional dairy farm with the following:		
<ul style="list-style-type: none"> <li>• Maternity pens</li> <li>• Ropes</li> <li>• Disinfectants</li> <li>• Navel clips</li> <li>• Housing pens</li> <li>• Feeding bottles and buckets</li> <li>• Weighing bands / bridge</li> </ul>	<ul style="list-style-type: none"> <li>• Identification equipment and materials</li> <li>• Feed rations</li> <li>• Holding crush</li> <li>• Hay barns, silos and feed stores</li> <li>• Cleaning materials and equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Feeding stalls</li> <li>• Feeding and watering troughs</li> <li>• Water</li> <li>• PPEs</li> <li>• Waste management equipment and material</li> </ul>