

## DAIRY YOUNG STOCKREARING

**UNIT CODE:** DA/CU/FM/CR/07/3/B

### Relationship to Occupational Standards

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

**Duration of Unit:**36 hours

### Unit Description

This unit specifies the competencies required to rear dairy young stock. It involves applying food safety measures while participating in steaming up of dams; care of neonates; and feeding, identification, housing, weighing, weaning and restraining young stock.

### Summary of Learning Outcomes

1. Apply food safety measures to rear dairy young stock
2. Prepare to rear dairy young stock
3. Rear dairy young stock
4. Evaluate rearing of dairy young stock
5. Complete rearing of dairy young stock

### Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Apply food safety measures to rear dairy young stock	<ul style="list-style-type: none"><li>• Meaning of food safety</li><li>• Importance of food safety</li><li>• Principles of food safety</li><li>• Prerequisite programmes<ul style="list-style-type: none"><li>○ Meaning and importance of prerequisite programmes</li><li>○ Relevant programmes<ul style="list-style-type: none"><li>▪ Good agricultural practices</li><li>▪ Good manufacturing practices</li><li>▪ Standard Sanitary Operating Procedures</li></ul></li></ul></li><li>• Hazard analysis<ul style="list-style-type: none"><li>○ Significance of hazards</li><li>○ Types and sources of hazards</li><li>○ Methods of hazard control</li></ul></li><li>• Components of HACCP plan<ul style="list-style-type: none"><li>○ Critical control points</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Written tests</li><li>• Oral questioning</li><li>• Observation</li></ul>

Learning Outcome	Content	Methods of assessment
	<ul style="list-style-type: none"> <li>○ Critical control limits</li> <li>○ Monitoring procedures on the control limits</li> <li>○ Corrective actions</li> <li>○ Verification and validation</li> <li>○ Record keeping</li> </ul>	
2. Prepare to rear dairy young stock	<ul style="list-style-type: none"> <li>● Steaming up</li> <li>● Parturition signs and process</li> <li>● Occupational safety and health standards</li> </ul>	<ul style="list-style-type: none"> <li>● Written tests</li> <li>● Observation</li> <li>● Oral questions</li> <li>● Third party reports</li> <li>● Interviewing</li> </ul>
3. Rear dairy young stock	<ul style="list-style-type: none"> <li>● Neonate handling</li> <li>● Colostrum feeding and benefits</li> <li>● Feeding regimes</li> <li>● Identification methods <ul style="list-style-type: none"> <li>○ Ear tagging</li> <li>○ Ear notching</li> <li>○ Tattooing</li> <li>○ Branding</li> <li>○ Electronic transponders</li> </ul> </li> <li>● Young stock housing</li> <li>● Young stock handling and restraining</li> <li>● Weaning process</li> <li>● Animal welfare</li> </ul>	<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>
4. Evaluate rearing of dairy young stock	<ul style="list-style-type: none"> <li>● Livestock weighing methods and procedures</li> <li>● Dystocia signs</li> </ul>	<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>
5. Complete rearing of dairy young stock	<ul style="list-style-type: none"> <li>● Communication</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**

<b>Functional dairy farm with the following:</b>		
<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>