

## **MAINTENANCE OF DAIRY HERD HEALTH**

**UNIT CODE:** 0841 341 08A

**TVETCDACC UNIT CODE:** DA/CU/FM/CR/04/4/MA

### **Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Maintain Dairy Herd Health

**Duration of Unit:** 30 hours

### **Unit Description**

This unit specifies the competencies required to maintain dairy herd health. It involves preparing to maintain dairy herd health, maintaining dairy herd health, evaluating maintenance of dairy herd health and completing maintenance of dairy herd health.

### **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 maintain dairy herd health	5
2.	Maintain dairy herd health	10
3.	Evaluate maintenance of dairy herd health	10
4	Complete maintenance of dairy herd health	5
<b>Total</b>		<b>30</b>

### **Learning Outcomes, Content and Suggested Assessment Methods**

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare to maintain dairy herd health	1.1.Herd health management tools, equipment, materials and supplies 1.2.Herd health management structures 1.2.1.Crush	2. Written tests 3. Observation 4. Oral questions 5. Third party report

	<p>1.2.2.Foot bath</p> <p>1.2.3.Spray race</p> <p>1.2.4.Cattle dip</p> <p>1.3.Occupational safety and health regulations</p>	6. Interviewing
2. Maintain dairy herd health	<p>2.1.Biosecurity measures in dairy</p> <p>2.1.1.Foot baths</p> <p>2.1.2.Isolation pens/paddocks</p> <p>2.1.3.Fencing</p> <p>2.1.4.Disinfection/fumigation</p> <p>2.1.5.Parasite and pest control</p> <p>2.1.6.Proper disposal of dead animals</p> <p>2.2.Types of parasites</p> <p>2.2.1.Internal parasites</p> <p>2.2.2.External parasites</p> <p>2.2.1.1. Internal parasites control methods</p> <p>2.2.1.1.1. Chemical</p> <p>2.2.1.1.2. Biological</p> <p>2.2.1.1.3. Integrated</p> <p>2.2.2.1. External parasites control</p> <p>2.3.Vaccination programmes</p> <p>2.4.Disbudding methods</p> <p>2.4.1.Hot iron</p> <p>2.4.2.Chemical (caustic soda)</p> <p>2.5.Dehorning procedures</p> <p>2.5.1. Dehorning wire</p> <p>2.5.2. Dehorning saw</p> <p>2.5.3. Cauterization</p> <p>2.6.Hoof trimming procedure</p> <p>2.7.Quarantine of procedures</p> <p>2.8 Animal Handling</p>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> <li>• Third party report</li> </ul>
3. Evaluate maintenance of dairy herd health	<p>3.1.Physical signs of ill health</p> <p>3.2.Disease reporting</p>	Observation Written tests Oral questions Interviewing Third party report
4. Complete maintenance of dairy herd	<p>4.1.Health records</p> <p>4.2.Cleaning and sterilization of herd health management equipment</p>	<ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> </ul>

health	4.3.Waste management	<ul style="list-style-type: none"> <li>• Oral questions</li> <li>• Interviewing</li> </ul>
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### Suggested Methods of Instruction

- Demonstration by trainer
- Assignment
- Field trips
- Discussions
- Direct instruction

### Recommended Resources

Functional dairy farm with the following:		
<ul style="list-style-type: none"> <li>• Holding crush</li> <li>• Ropes</li> <li>• Disinfectants</li> <li>• Navel clips</li> <li>• Scapels</li> <li>• Cleaning materials and equipment</li> <li>• Weighing bands</li> <li>• Hoof trimming tools, equipment and structures</li> </ul>	<ul style="list-style-type: none"> <li>• Dewormers</li> <li>• Drenching and bolus guns</li> <li>• Acaricides</li> <li>• Plunge dip and spray race</li> <li>• Spayers</li> <li>• Waste management equipment and material</li> <li>• Grooming tools and equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Herd health records</li> <li>• Stationery</li> <li>• Water</li> <li>• Disbudding and dehorning tools and materials</li> <li>• PPEs</li> <li>• Livestock Production Manual</li> </ul>