

DAIRY HERD HEALTH MAINTENANCE

UNIT CODE: DA/CU/FM/CR/08/3/B

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Maintain dairy herd health

Duration of Unit:24 hours

Unit Description

This unit specifies the competencies required to maintain dairy herd health. It involves applying food safety measures while participating in implementation of farm biosecurity, parasite and disease control, hoof trimming and animal grooming.

Summary of Learning Outcomes

1. Apply food safety measures to maintain dairy herd health
2. Prepare to maintain dairy herd health
3. Maintain dairy herd health
4. Evaluate maintenance of dairy herd health
5. Complete maintenance of dairy herd health

Learning Outcomes, Content and Methods of assessment

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

Learning Outcome	Content	Methods of assessment
	<ul style="list-style-type: none"> ○ Critical control limits ○ Monitoring procedures on the control limits ○ Corrective actions ○ Verification and validation ○ Record keeping 	
2. Prepare to maintain dairy herd health	<ul style="list-style-type: none"> ● Biosecurity measures and procedures ● Occupational safety and health regulations 	<ul style="list-style-type: none"> ● Written tests ● Observation ● Oral questions ● Third party reports ● Interviewing
3. Maintenance of dairy herd health	<ul style="list-style-type: none"> ● Animal handling ● Disease control measures ● Types of external parasites ● External parasites control methods <ul style="list-style-type: none"> ○ Chemical ○ Biological ○ Integrated ● Hoof care ● Grooming ● Animal welfare 	<ul style="list-style-type: none"> ● Observation ● Written tests ● Oral questions ● Interviewing ● Third party reports
4. Evaluate maintenance of dairy herd health	<ul style="list-style-type: none"> ● Physical signs of ill health ● Communication 	<ul style="list-style-type: none"> ● Observation ● Written tests ● Oral questions ● Interviewing ● Third party reports
5. Complete maintenance of dairy herd health	<ul style="list-style-type: none"> ● Dairy equipment and farm structures hygiene ● Waste disposal 	<ul style="list-style-type: none"> ● Observation ● Written tests ● Oral questions ● Interviewing

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"> • Holding crush • Ropes • Disinfectants • Navel clips • Scapels • Cleaning materials and equipment 	<ul style="list-style-type: none"> • Acaricides • Plunge dip and spray race • Spayers • Weighing bands • Hoof trimming tools, equipment and structures 	<ul style="list-style-type: none"> • Waste management equipment and material • Grooming tools and equipment • Water • PPEs

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