

MAINTAIN DAIRY HERD HEALTH

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

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, external parasite control, hoof trimming, animal grooming and restraining.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range</i>
1. Prepare to maintain dairy herd health	<p>1.1 Herd health management <i>tools, equipment, materials</i> and <i>supplies</i> are identified and assembled based on livestock species in accordance with the livestock production manual</p> <p>1.2 Structures for herd health management are identified and prepared in accordance with the livestock production manual and code of hygienic practices for milk and milk products</p> <p>1.3 Personal Protection Equipment and Apparel are identified, gathered based on job requirements code of hygienic practices for milk and milk products</p> <p>1.4 Occupational safety and health procedures are adhered to according to work place procedures</p> <p>1.5 Environmental protection measures are observed according to <i>environment protection regulations</i> and work place procedures</p>
2. Maintain dairy herd health	<p>2.1 <i>Biosecurity measures</i> are implemented based on design in accordance with work place policy and Animal Disease Act (Cap 364)</p> <p>2.2 External parasites are controlled in dairy herds in accordance with the livestock production manual (LPM) and Animal Disease Act (Cap 364)</p>

	<p>2.3 Animals showing signs of ill health or parasite infestation are detected in accordance with LPM</p> <p>2.4 Animals showing signs of ill health are quarantined according to animal health care requirements and Animal Disease Act (Cap 364)</p> <p>2.5 Overgrown dairy animal hooves are trimmed as per the LPM and animal welfare regulations</p> <p>2.6 Dairy animals are groomed according to the LPM and work place policy</p>
3. Evaluate maintenance of dairy herd health	<p>3.1 Animals showing signs of ill health or parasite infestation are detected in accordance with LPM</p> <p>3.2 Parasite and disease incidences are reported to farm authorities according to work place policy and Animal Disease Act (Cap 364)</p>
4. Complete maintenance of dairy herd health	<p>4.1 Herd health management equipment and structures are cleaned, sterilized and preserved in accordance with work place policy</p> <p>4.2 Reusable materials and supplies are stored as per manufacturer's instructions manual and workplace policy.</p> <p>4.3 Waste is disposed off with regard to workplace policy</p>

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Tools and equipment includes but not limited to	<p>Tools and equipment required for:</p> <ul style="list-style-type: none"> • Deworming • Spraying and dipping • Hoof trimming • Disbudding / dehorning • Grooming • Weighing • Land clearing, cleaning and disinfection

2. Materials and supplies include but not limited to	Supplies and materials required for: <ul style="list-style-type: none"> • Dewormers • Acaricides • Cleaning and disinfection
3. Environment protection regulations includes but not limited to:	<ul style="list-style-type: none"> • Public Health Act • EMCA 1999 • OSH Act 2007
4. Dairy animals include but not limited to	Livestock kept mainly for milk production: <ul style="list-style-type: none"> • Cattle • Goats • Camels
5. Groom includes but not limited to	<ul style="list-style-type: none"> • Brushing • Washing • Clipping coat hair
6. Biosecurity measures includes but not limited to:	<ul style="list-style-type: none"> • Foot baths • Isolation pens/paddocks • Fencing • Disinfection/fumigation • Parasite and pest control • Proper disposal of dead animals

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills:

- Animal handling
- Farm equipment operation
- Troubleshooting

Required knowledge

The individual needs to demonstrate knowledge of:

- Basic control methods of common diseases and parasites
- Signs of ill health in dairy animals

- Animal welfare
- Food safety principles
- Hoof trimming procedure
- Grooming procedures

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Applied food safety measures to maintain dairy herd health 1.2 Implemented bio-security measures 1.3 Controlled external parasites 1.4 Quarantined animals showing signs of ill health 1.5 Used correct procedure to dairy animal trim hooves 1.6 Observed occupational safety and health measures in the working environment 1.7 Observed laid down environmental protection measures at the work place 1.8 Documented dairy herd health maintenance and food safety records
2. Resource Implications	<p>The following resources must be provided:</p> <ul style="list-style-type: none"> 2.1 Assessment location / workplace 2.2 Personal Protective Equipment and Apparel
3. Methods of Assessment	<p>Competency may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Observation 3.2 Oral questioning 3.3 Written test 3.4 Portfolio of Evidence 3.5 Interview 3.6 Third party report
4. Context of Assessment	<p>Competency may be assessed on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.</p>

5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.
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