

MAINTAIN DAIRY HERD HEALTH

UNIT CODE: 0841 341 08A

TVETCDACC UNIT CODE: DA/OS/FM/CR/04/4/MA

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.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function.	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	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 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 1.3 Personal Protection Equipment and Apparel are identified, gathered based on job requirements code of hygienic practices for milk and milk products 1.4 Occupational safety and health procedures are adhered to according to work place procedures
2. Maintain dairy herd health	2.1 <i>Biosecurity measures</i> are implemented based on design in accordance with <i>public health regulations</i> and work place

	<p>policy</p> <p>2.2 Internal and 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 Vaccination program is adhered to according to work place policy as per the Animal Disease Act (Cap 364)</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 Overgrown dairy animal horns are cut as per the LPM and animal welfare regulations</p> <p>2.7 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 practices are recorded in accordance with work place policy</p> <p>4.2 Herd health management equipment are cleaned, sterilized and stored in accordance with work place policy</p> <p>4.3 Waste is disposed of with regard to environment protection regulations</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 may include but not limited to:	Tools and equipment required for: <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 may 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 may include but not limited to:	<ul style="list-style-type: none"> • Public Health Act • EMCA 1999 • OSH Act 2007
4. Biosecurity measures may include 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
5. Public health regulations may include	Guidelines designed and enforced by:

but not limited to:	<ul style="list-style-type: none"> • National Environmental Management Authority • Kenya Veterinary Board • Ministry of Health
6. Dairy animals may include but not limited to:	<p>Livestock kept mainly for milk production:</p> <ul style="list-style-type: none"> • Cattle • Goats • Camels
7. Groom may include but not limited to:	<ul style="list-style-type: none"> • Brushing • Washing • Clipping coat hair

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
- Animal health care applied skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Control methods of common diseases and parasites
- Signs of ill health in dairy animals
- Animal welfare
- Food safety principles

- Methods of hoof trimming and dehorning
- Animal health care
- Grooming procedures
- Record keeping

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> <p>1.1 Applied food safety measures to maintain dairy herd health</p> <p>1.2 Implemented bio-security measures</p> <p>1.3 Controlled internal and external parasites</p> <p>1.4 Adhered to Vaccination program</p> <p>1.5 Quarantined animals showing signs of ill health</p> <p>1.6 Groomed dairy animals</p> <p>1.7 Used correct procedure to trim hooves and dehorn dairy animals</p> <p>1.8 Observed occupational safety and health measures in the working environment</p> <p>1.9 Observed laid down environmental protection measures at the work place</p> <p>1.10 Recorded herd health management practices</p> <p>1.11 Cleaned, sterilized and stored Herd health management equipment</p> <p>1.12 Stored Reusable materials and supplies</p> <p>1.13 Disposed of Waste with regard to environment protection regulations</p> <p>1.14 Documented dairy herd health maintenance and food safety</p>
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2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Appropriately simulated environment where assessment can take place 2.2 Access to relevant workplace assessment environment 2.3 Resources relevant to the proposed assessment activity or tasks
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 Third party report 3.4 Written test 3.5 Portfolio of Evidence 3.6 Interview
4. Context of Assessment	<p>Competency may be assessed:</p> <p>On-the-job Off-the –job During Industrial attachment</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.</p>