

BREED DAIRY ANIMALS

UNIT CODE: DA/OS/FM/CR/03/3/B

UNIT DESCRIPTION

This unit specifies the competencies required to breed dairy animals. It involves applying food safety measures while participating in dairy animal identification, heat detection, parturition handling and restraining dairy animals.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
<p>These describe the key outcomes which make up workplace function</p>	<p>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></p>
<p>1. Prepare to breed dairy animals</p>	<p>1.1 Breeding management <i>tools, equipment, materials</i> and <i>supplies</i> are identified and assembled based on breeding activity, livestock species in accordance with the livestock production manual</p> <p>1.2 Personal Protection Equipment and Apparel are identified and gathered based on job requirements</p> <p>1.3 Dairy animals are <i>Identified</i> in accordance with the Livestock Production Manual (LPM), animal welfare regulations and the code of practice 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>
<p>2. Breed dairy animals</p>	<p>2.1 Female animals on heat are detected based on LPM</p> <p>2.2 Dairy animals are restrained according to animal welfare regulations and work place policy.</p> <p>2.3 Parturiting animals are provided care based on the LPM</p>
<p>3. Evaluate dairy breeding</p>	<p>3.1 Detect repeat breeders based on frequency of heat</p> <p>3.2 Errors are detected and reported as per workplace policy.</p>

4. Complete dairy animal breeding	<p>4.1 Surplus Materials and supplies are stored as per manufacturer’s instructions.</p> <p>4.2 Waste is managed and disposed off in due regard to work place policy.</p>
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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"> • Identification • Castration • Handling parturition • Weighing • Artificial insemination
2. Materials and supplies includes but not limited to:	<p>Supplies and materials required for:</p> <ul style="list-style-type: none"> • Cleaning • Disinfection • Artificial Insemination • Identification
3. Identified includes but is not limited to:	<p>Marking or placing gadgets on animals that distinguish individual animals by:</p> <ul style="list-style-type: none"> • Ear tagging • Tattooing • Ear Notching • Electronic transponders • Branding
4. Served	<ul style="list-style-type: none"> • Use of natural (bull, buck) • Artificial (insemination) • Embryo Transfer
5. Environment protection regulations includes but not limited to:	<ul style="list-style-type: none"> • Public Health Act • EMCA 1999 • OSH Act 2007

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
- Data recording
- Heat detection

Required knowledge

The individual needs to demonstrate knowledge of:

- Methods of animal identification
- Heat signs
- Parturition process
- Transmission of breeding diseases
- Artificial insemination requirements
- Waste management and disposal methods

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	Assessment requires evidence that the candidate: 1.1 Applied food safety measures to breed dairy animals 1.2 Assigned identification marks for dairy animals following recommended procedures in the livestock breeding manual 1.3 Identified the correct time of oestrus to serve dairy animals 1.4 Identified parturating animals in need of assistance 1.5 Notified farm authorities on dystocia cases in need of vet attention 1.6 Restrained dairy animals as per animal welfare requirements 1.7 Observed occupational safety and health measures in the working environment 1.8 Observed laid down environmental protection measures at the work place
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	1.9 Documented dairy animal breeding and food safety records
2. Resource Implications	The following resources must be provided: 2.1 Assessment location / workplace 2.2 Personal Protective Equipment and Apparel
3. Methods of Assessment	Competency may be assessed through: 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	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.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.