BREED DAIRY ANIMALS

UNIT CODE: 0811 341 06A

TVETCDACC UNIT CODE: DA/OS/FM/CR/02/4/MA

UNIT DESCRIPTION

This unit specifies the competencies required to breed dairy animals. It involves preparing to breed dairy animals, breeding dairy animals, evaluating dairy animal breeding, completing dairy animal breeding.

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. **_Bold and italicized terms are elaborated in the range._**
1. Prepare to breed dairy animals	1.1 Breeding management **_tools, equipment, materials_** and **_supplies_** are identified and assembled based on breeding activity, livestock species in accordance with the Livestock Production Manual 1.2 Personal Protection Equipment and Apparel are identified and gathered based on job requirements 1.3 **_Dairy animals_** are **_Identified_** in accordance with the Livestock Production Manual (LPM), animal welfare regulations and the code of practice for milk and milk products 1.4 Occupational safety and health procedures are adhered to according to work place procedures 1.5 Environmental protection measures are observed

	according to *environment protection regulations* and work place procedures
2. Breed dairy animals	2.1 Female animals on heat are detected based on LPM 2.2 Breeding systems are identified based on breeding manual
3. Evaluate dairy animal breeding	3.1 Repeat breeders are detected based on frequency of heat 3.2 Errors are detected, reported and rectified as per workplace policy.
4. Complete dairy animal breeding	4.1 Dairy animals are culled based on culling criteria 4.2 Surplus Materials and supplies are stored as per manufacturer's instructions. 4.3 Waste is managed and disposed based on environment protection regulations.

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: • Identification • Castration • Handling parturition • Weighing • Artificial insemination
2. Materials and supplies may	Supplies and materials required for: • Cleaning

include but not limited to:	• Disinfection • Artificial Insemination • Identification
3. Dairy animals may include but not limited to:	• Dairy cattle • Dairy goat • Camel
4. Identified may include but is not limited to:	Marking or placing gadgets on animals that distinguish individual animals by; • Ear tagging • Tattooing • Ear Notching • Electronic transponders • Branding
5. Environment protection regulations may include but not limited to:	• Public Health Act • EMCA 1999 • OSH Act 2007
6. Served may include but not limited to:	• Use of natural (bull, buck) • Artificial (insemination) • Embryo Transfer

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

- Trouble shooting

Required knowledge

The individual needs to demonstrate knowledge of:

- Methods of animal identification

- Heat signs

- Interpreting the bulls catalogue

- Parturition process

- Transmission of breeding diseases

- Artificial insemination

- Culling methods

- Environment protection regulations

- 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 Used the correct tools and equipment to serve the animal
		1.5 Used PPEs while serving the dairy animals
		1.6 Identified Parturating animals in need of assistance
		1.7 Notified farm authorities on dystocia cases in need of vet attention
		1.8 Observed occupational safety and health measures in the working environment
		1.9 Observed laid down environmental protection measures at the work place
		1.10 Documented dairy animal breeding and food safety records
2.	Resource Implications	The following resources should be provided: 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	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 During Industrial attachment
5.	Guidance information for	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.

assessment	