

FEED DAIRY ANIMALS

ISCED UNIT CODE: 0811 241 02A

TVETCDACC UNIT CODE: DA/OS/FM/CR/02/3/MA

UNIT DESCRIPTION

This unit specifies the competencies required to feed dairy animals. It involves preparing to feed dairy animals, feeding dairy animals, evaluating dairy animal feeding and completing dairy animal feeding.

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 feed dairy animals	1.1 <i>Dairy animals</i> are grouped based on their nutritional requirements age, sex and physiological status 1.2 <i>Feed materials and supplies</i> are assembled as per nutritional requirements and work place procedures based on the <i>standards for dairy animal feeds</i> . 1.3 Occupational safety and health procedures are adhered to according to work place procedures 1.4 Environmental protection measures are observed according to <i>environment protection regulations</i> and work place procedures
2. Feed dairy animals	2.1 Feed ingredients are processed in accordance with the livestock production manual. 2.2 Feeding system is applied based on the code of practice for the animal feed industry. 2.3 Rations for different dairy classes are mixed as per the nutritional requirements of the animal and in accordance with the code of practice for the animal feed industry and the dairy animal feed standards 2.4 Dairy animals are fed based on their nutritional requirements and in accordance with dairy feeding manual.

3. Evaluate dairy animal feeding	<p>3.1 Feed ingredients and rations are sampled based on sampling procedures</p> <p>3.2 Feed intake is evaluated based on palatability, form and physiological status</p> <p>3.3 Errors are detected, reported and rectified based on workplace policy and LPM</p>
4. Complete dairy animal feeding	<p>4.1 Surplus materials and supplies not consumed are stored as per manufacturer's instructions and the code of practice for the animal feed industry.</p> <p>4.2 Recyclable and non-recyclable materials are disposed-off based on type 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. Dairy animals may include but not limited to:	<ul style="list-style-type: none"> • Dairy cattle • Dairy goats • Camels
2. Feed materials and supplies may include but not limited to:	<ul style="list-style-type: none"> • Napier grass • Fodder maize • Lucerne • Salt lick • Dairy meal • Hay • Silage • Feed additives
3. Tools and Equipment may include but not limited to:	<ul style="list-style-type: none"> • Wheelbarrows • Shovels • Chaff cutters • Cleaning tools • Hammer mills • Weighing scales • Weighing bands • Feed mixers
4. Environment protection regulations may include 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:

- Weighing
- Troubleshooting
- Animal handling
- Feed mixing
- Feed mill and mixer operations and maintenance
- Data recording

Required knowledge

The individual needs to demonstrate knowledge of:

- Types of feeding systems and strategies
- Basic nutritional requirements of dairy animals
 - Growth
 - Body maintenance
 - Production
- Basic nutritional composition of feed materials
- Relevant standards and regulations for dairy animal feeding
- Food safety principles
- Sampling methods
- Dairy animal feed intake

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 feed dairy animals 1.2 Grouped dairy animals into feeding classes 1.3 Assembled feed materials and supplies as per nutritional requirements and work place procedures 1.4 Mixed Rations for different dairy classes as per the nutritional requirements of the animal 1.5 Sampled feed ingredients and rations based on work instructions
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	<p>1.6 Evaluated feed intake based on palatability, form and physiological status</p> <p>1.7 Stored Surplus materials and supplies not consumed as per workplace procedure</p> <p>1.8 Separated Recyclable and non-recyclable materials as per work instructions</p> <p>1.9 Developed and shared feeding records and based on workplace policy</p>
2. Resource Implications	<p>The following resources should be provided:</p> <p>2.1 Access to relevant workplace</p> <p>2.2 Appropriately simulated environment where assessment can take place</p> <p>2.3 Materials relevant to the proposed activity or tasks</p>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <p>3.1 Observation</p> <p>3.2 Oral questioning</p> <p>3.3 Third party report</p> <p>3.4 Written test</p> <p>3.5 Portfolio of Evidence</p> <p>3.6 Interview</p>
4. Context of Assessment	<p>Competency may be assessed:</p> <p>On-the-job</p> <p>Off-the -job</p> <p>During Industrial attachment</p>
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.