

## FEED DAIRY ANIMALS

**UNIT CODE:** DA/OS/FM/CR/05/3/B

### UNIT DESCRIPTION

This unit specifies the competencies required to feed dairy animals. It involves applying food safety measures while participating in separating dairy animals into different classes, feedstuff preparation, ration mixing and dispensing rations into feeding troughs.

### ELEMENTS AND PERFORMANCE CRITERIA

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
<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.  <b><i>Bold and italicized terms are elaborated in the Range</i></b></p>
<p>1. Prepare to feed dairy animals</p>	<p>1.1 <b><i>Dairy animals</i></b> are grouped based on their nutritional requirements age, sex and physiological status.            1.2 <b><i>Feed materials and supplies</i></b> are assembled as per nutritional requirements and work place procedures based on the <b><i>standards for dairy animal feeds</i></b>.            1.3 Required <b><i>tools</i></b> and <b><i>equipment</i></b> are identified and gathered based the requirements of the job.            1.4 PPEs are identified and gathered based on requirements of the job.            1.5 Occupational safety and health procedures are adhered to according to work place procedures            1.6 Environmental protection measures are observed according to <b><i>environment protection regulations</i></b> and work place procedures</p>
<p>2 Feed dairy animals</p>	<p>2.1 Feed ingredients are processed in accordance with the livestock production manual, feeding system based on the code of practice for the animal feed industry.            2.2 Rations for different dairy classes are mixed as per the nutritional requirements of the animal in accordance with the code of practice for the animal feed industry and the dairy animal feed standards            2.3 Dairy animals are fed based on their nutritional requirements, in accordance with dairy feeding manual.</p>

2 Evaluate dairy animal feeding	3.1 Feed ingredients and rations samples are collected based on sampling procedures 3.2 Faults are reported based on workplace policy and LPM
4 Complete dairy animal feeding	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 4.2 Recyclable and non-recyclable materials are disposed-off based on type with regard to work place policy.

## 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 includes but not limited to:	<ul style="list-style-type: none"> <li>• Dairy cattle</li> <li>• Dairy goats</li> <li>• Camels</li> </ul>
2. Standards for dairy animal feeds includes but not limited to:	<ul style="list-style-type: none"> <li>• Dairy cattle feed supplements - specification</li> <li>• Dairy cattle feed premix – specification</li> <li>• Compounded dairy cattle feeds – specification</li> <li>• Compounded dairy goats feeds – specification</li> <li>• Code of practise for the reduction of aflatoxin B1 in raw materials and supplemental feeding stuffs for milk producing animals</li> </ul>
3. Feed materials and supplies includes but not limited to:	<ul style="list-style-type: none"> <li>• Napier grass</li> <li>• Fodder maize</li> <li>• Lucerne</li> <li>• Salt lick</li> <li>• Dairy meal</li> <li>• Hay</li> <li>• Silage</li> <li>• Feed additives</li> </ul>
4. Environment protection regulations includes but not limited to:	<ul style="list-style-type: none"> <li>• Public Health Act</li> <li>• EMCA 1999</li> <li>• OSH Act 2007</li> </ul>

## 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
- Animal handling
- Manual feed mixing
- Feed mill and mixer operations

## Required knowledge

The individual needs to demonstrate knowledge of:

- Basic dairy animal behaviour
- Types of feed and feedstuff
- Basic nutritional composition of feed materials

## 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 classes correctly 1.3 Provided required quality and quantity of feed ration to meet animal's daily requirements 1.4 Observed occupational safety and health measures in the working environment 1.5 Observed laid down environmental protection measures at the work place 1.6 Documented dairy animal feeding 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.

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