

DEVELOP DAIRY FARM STRUCTURES

UNIT CODE: 0732 341 05A

TVETCDACC UNIT CODE: DA/OS/FM/CR/01/4/MA

UNIT DESCRIPTION

This unit specifies the competencies required to develop dairy farm structures. It involves preparing to develop dairy farm structures, develop dairy farm structures, evaluate construction of dairy farm structures and complete dairy farm structures construction

ELEMENTS AND PERFORMANCE CRITERIA

| ELEMENT | PERFORMANCE CRITERIA |
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| 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 develop dairy farm structures | 1.1 Dairy enterprises are identified based dairy production system 1.2 Site is cleared based on vegetation on the ground and soil type. 1.3 Tools and equipment are identified and gathered based on the requirements of the job. 1.4 PPEs are identified and gathered based on requirements of the job and the code of hygienic practices for milk and milk products. 1.5 Occupational safety and health procedures are adhered to according to work place procedures and public health act. 1.6 Environmental protection measures are observed according to <i>environment protection regulations</i> and work |

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| | place procedures |
| 2. Develop dairy farm structures | <p>2.1 Development of dairy farm structures is carried out following work procedures based on the code of hygienic practices for milk and milk products and the code of practice for the animal feed industry</p> <p>2.2 Foundation is laid based on the type of structure.</p> <p>2.3 Roof is laid based on the design and type of structure.</p> |
| 3. Evaluate construction of dairy farm structures | <p>3.1 Faults in dairy farm structure are detected, reported and repaired based on standard operating procedures.</p> <p>3.2 Dairy farm structures are cleaned as per the dairy structure cleaning and maintenance procedures based on the code of hygienic practices for milk and milk products and the code of practice for the animal feed industry</p> |
| 4. Complete dairy farm structures construction | <p>4.1 Recyclable materials and supplies are stored as per manufacturer's instructions</p> <p>4.2 Non-recyclable materials and supplies are disposed-offin 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 |
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| 1. Construction materials may include | <ul style="list-style-type: none"> • Timber • Poles |

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| but not limited to: | <ul style="list-style-type: none"> • Nails • Iron sheets • Barbed wire | | |
| 2. Environment protection regulations includes but not limited to: | <ul style="list-style-type: none"> • Public Health Act • EMCA 1999 • OSH Act 2007 | | |
| 3. Dairy farm structures may include but not limited to: | <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> • Milking Parlor • Zero grazing unit • Holding crush • Hay barn • Plunge dip </td> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> • Fences • Feeding troughs • Watering troughs • Spray race • Feed formulation unit </td> </tr> </table> | <ul style="list-style-type: none"> • Milking Parlor • Zero grazing unit • Holding crush • Hay barn • Plunge dip | <ul style="list-style-type: none"> • Fences • Feeding troughs • Watering troughs • Spray race • Feed formulation unit |
| <ul style="list-style-type: none"> • Milking Parlor • Zero grazing unit • Holding crush • Hay barn • Plunge dip | <ul style="list-style-type: none"> • Fences • Feeding troughs • Watering troughs • Spray race • Feed formulation unit | | |

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:

- Measuring skills
- Troubleshooting
- Masonry skills
- Carpentry skills
- Communication skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Dairy enterprises

- Types of dairy farm structures
- Types of construction materials
 - Mixing ratios
 - Making concrete
- Dairy structure maintenance requirements
- Food safety principles
- Code of hygienic practices for milk and milk products
- Code of practice for the animal feed industry
- Waste disposal
- Environment protection regulations
- Occupational safety and health regulations

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

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| 1. Critical Aspects of Competency | <p>Assessment requires evidence that the candidate:</p> <p>1.1 Applied food safety measures to develop dairy farm structures</p> <p>1.2 Identified and donned correct PPEs</p> <p>1.3 Measured and pegged structure layout accurately</p> <p>1.4 Mixed construction materials in the recommended ratio</p> <p>1.5 Observed occupational safety and health measures in the working environment</p> <p>1.6 Observed laid down environmental protection measures at the work place</p> <p>1.7 Documented dairy farm structures development and food safety records</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 |
| 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 | <p>Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.</p> |