

DEVELOPMENT OF DAIRY FARM STRUCTURES

UNIT CODE: 0732 341 05A

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

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Develop Dairy Farm Structures

Duration of Unit: 50 hours

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

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

| S/No | Learning Outcomes | Duration (Hours) |
|--------------|--|------------------|
| 1. | Prepare to develop dairy farm structures | 10 |
| 2. | Develop dairy farm structures | 20 |
| 3. | Evaluate construction of dairy farm structures | 10 |
| 4 | Complete dairy farm structures construction | 10 |
| Total | | 50 |

Learning Outcomes, Content and Suggested Assessment Methods

| Learning Outcome | Content | Suggested Assessment Methods |
|---|---|--|
| 1. Prepare to develop dairy farm structures | 1.1. Types of dairy enterprises 1.1.1. Pastoral 1.1.2. Peri urban 1.2. Site layout 1.2.1. Bush clearing | <ul style="list-style-type: none">• Written tests• Observation• Oral questions• Third party report• Interviewing |

| | | |
|---|---|--|
| | 1.2.2. Levelling 1.3. selection of tools & equipment 1.4. selection of construction material & supplies 1.5. Occupational Safety and Health standards. 1.6. Environmental protection measures | |
| 2. Develop dairy farm structures | 2.1. Types of dairy farm structures <ul style="list-style-type: none"> 2.1.1. Barn 2.1.2. Milk storage room 2.1.3. Farm offices 2.1.4. Farm store 2.2. Types of foundations <ul style="list-style-type: none"> 2.2.1. Shallow foundations. 2.2.2. Deep foundations. 2.2.3. Mixing ratios of mortar 2.3. Types of roofs <ul style="list-style-type: none"> 2.3.1. Pitched roof 2.3.2. Flat roof | <ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing |
| 3. Evaluate construction of dairy farm structures | 3.1. Structure monitoring, and repair 3.2. Maintain farm structure hygiene | <ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing |
| 4. Complete dairy farm structures construction | 4.1. Type of materials 4.2. Waste management | <ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing |

Suggested Methods of Instruction

- Demonstration by trainer
- Field trips
- Discussions
- Direct instruction
- Project

Recommended Resources

Functional dairy farm with the following:

| | | |
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| <ul style="list-style-type: none">• Tractors• Trailer• Slashers• Crowbar• Hammer• Nails• Saw | <ul style="list-style-type: none">• Barbed/chain link• Poles• Stones• Sand• Cement• Ballast• Tape measures | <ul style="list-style-type: none">• Metal bars• Land• Live fence planting materials• Hoe• HACCP plan |
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