DAIRY FORAGE PRODUCTION

UNIT CODE: DA/CU/FM/CR/02/3/B

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Produce dairy forage

Duration of Unit: 48 hours

Unit Description

This unit specifies the competencies required to produce dairy forage. It involves applying food safety measures while participating in land preparation; soil fertility maintenance; and forage establishment, management, conservation and storage.

Summary of Learning Outcomes

- 1. Apply food safety measures to produce dairy forage
- 2. Prepare to produce dairy forage
- 3. Produce dairy forage
- 4. Evaluate dairy forage production
- 5. Complete dairy forage production

Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
Apply food safety measures to produce dairy forage	 Meaning of food safety Importance of food safety Principles of food safety Prerequisite programmes Meaning and importance of prerequisite programmes Relevant programmes Good agricultural practices Good manufacturing practices Standard Sanitary Operating Procedures Hazard analysis Significance of hazards Types and sources of hazards 	 Written tests Oral questioning Observation

Learning Outcome	Content	Methods of assessment
	 Methods of hazard control Components of HACCP plan Critical control points Critical control limits Monitoring procedures on the control limits Corrective actions Verification and validation Record keeping 	
Prepare to produce dairy forage	 Soil conservation methods Methods of land preparation Planting materials Types Preparation 	 Written tests Observation Oral questions Third party reports Interviewing
3. Produce dairy forage	 Forage types Pasture Fodder crops Multi-purpose trees Forage planting methods Seed rates Gapping Pest, weed and disease control Types Control methods Fertilizer application Types of fertilizer Application rates and methods Time Irrigation methods Overhead Furrow / canal Drip 	 Observation Written tests Oral questions Product analysis Interviewing

Learning Outcome	Content	Methods of assessment
	Forage harvestingStageMethods	
4. Evaluate dairy forage production	Forage judgingForage quantity forecasting	ObservationWritten testsOral questionsProduct analysisInterviewing
5. Complete dairy forage production	 Forage conservation methods Hay making Silage making Forage storage Waste disposal 	ObservationWritten testsOral questionsInterviewing

Suggested Methods of Instruction

- Project
- Demonstration by trainer
- Practice by the trainee
- Field trips
- Discussions
- Direct instruction

Recommended Resources

Functional dairy farm with the following:			
 Tractors Land Trailer Ploughs Harrows Tillers Sprayers Rakes Tedders 	 Mowers Forage choppers / chaff cutters Balers Forage harvesters Hammer mills Molasses Silage silos Forage planting materials 	 Hay barn Farm tools (Hoe, fork, rake, panga, shovel and watering cans) Polythene sheets and tubes Baling twines Forage box 	