DAIRY ANIMALS BREEDING

UNIT CODE: DA/CU/FM/CR/03/3/B

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Breed dairy animals

Duration of Unit: 24 hours

Unit Description

This unit specifies the competencies required to breed dairy animals. It involves applying food safety measures while participating in dairy animal identification, heat detection, parturition handling and restraining dairy animals.

Summary of Learning Outcomes

- 1. Apply food safety measures to breed dairy animals
- 2. Prepare to breed dairy animals
- 3. Breed dairy animals
- 4. Evaluate dairy animal breeding
- 5. Complete dairy animal breeding

Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Apply food safety measures to breed dairy animals	 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 Methods of hazard control Components of HACCP plan Critical control points 	 Written tests Oral questioning Observation

Learning Outcome	Content	Methods of assessment
2. Prepare to breed dairy animals	 Critical control limits Monitoring procedures on the control limits Corrective actions Verification and validation Record keeping Dairy animal breeds Breeding management tools, equipment, materials and supplies Identification methods Ear tagging Ear notching Tattooing Branding Electronic transponders Animal welfare Occupational safety and health standards 	 Written tests Observation Oral questions Third party reports Interviewing
3. Breed dairy animals	 Heat detection Dairy animal restraining methods and procedures Mating systems Natural Artificial Insemination Gestation lengths Parturition process Signs of dystocia Steaming up Inbreeding depression Occupational safety and health regulations 	 Observation Written tests Oral questions Interviewing Third party reports
4. Evaluate dairy animal breeding	 Upgrading Dairy animal registration benefits 	 Observation Written tests Oral questions Interviewing Third party reports

Learning Outcome	Content	Methods of assessment
5. Complete	Types of breeding supplies and	Observation
dairy animal breeding	materials • Waste disposal	 Written tests Oral questions Interviewing

Suggested Methods of Instruction

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

Recommended Resources

Functional dairy farm with the following:					
• AI services	Breeding males	• Water			
• PPEs	• Feed rations	Weighing band			
 Weighing bands 	Holding crush	Breeding calendar			
 Identification equipment 	• PPEs	• Disinfectants			
and materials	 Maternity pens 	• Livestock Production			
 Navel clips 	• Ropes	Manual			