

DAIRY ANIMALS FEEDING

UNIT CODE: DA/CU/FM/CR/05/3/B

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Feed dairy animals

Duration of Unit:36 hours

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.

Summary of Learning Outcomes

1. Apply food safety measures to feed dairy animals
2. Prepare to feed dairy animals
3. Feed dairy animals
4. Evaluate dairy animal feeding
5. Complete dairy animal feeding

Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Apply food safety measures to feed dairy animals	<ul style="list-style-type: none">• Meaning of food safety• Importance of food safety• Principles of food safety• Prerequisite programmes<ul style="list-style-type: none">○ Meaning and importance of prerequisite programmes○ Relevant programmes<ul style="list-style-type: none">▪ Good agricultural practices▪ Good manufacturing practices▪ Standard Sanitary Operating Procedures• Hazard analysis<ul style="list-style-type: none">○ Significance of hazards○ Types and sources of hazards○ Methods of hazard control• Components of HACCP plan<ul style="list-style-type: none">○ Critical control points	<ul style="list-style-type: none">• Written tests• Oral questioning• Observation

Learning Outcome	Content	Methods of assessment
	<ul style="list-style-type: none"> ○ Critical control limits ○ Monitoring procedures on the control limits ○ Corrective actions ○ Verification and validation ○ Record keeping 	
2. Prepare to feed dairy animals	<ul style="list-style-type: none"> ● Grouping of dairy animals <ul style="list-style-type: none"> ○ Calves and kids ○ Heifers and doelings ○ Lactating animals (early, mid and late lactation) ○ Dry animals ○ Bulls, bucks, steers and wethers 	<ul style="list-style-type: none"> ● Written tests ● Observation ● Oral questions ● Third party reports ● Interviewing
3. Feed dairy animals	<ul style="list-style-type: none"> ● Feeds and feedstuff classes ● Feeding systems <ul style="list-style-type: none"> ○ Separate concentrate feeding ○ Total mixed rations ○ Partly mixed rations ● Feed mixing methods 	<ul style="list-style-type: none"> ● Observation ● Written tests ● Oral questions ● Interviewing ● Third party reports
4. Evaluate dairy animal feeding	<ul style="list-style-type: none"> ● Feed intake ● Feeding regimes 	<ul style="list-style-type: none"> ● Observation ● Written tests ● Oral questions ● Interviewing ● Third party reports
5. Complete dairy animal feeding	<ul style="list-style-type: none"> ● Feeding structures and equipment hygiene ● Dairy feeding waste disposal 	<ul style="list-style-type: none"> ● Observation ● 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:		
<ul style="list-style-type: none">• Tractors• Trailer• Chopping implements• Feed mixers• Feed troughs	<ul style="list-style-type: none">• Pasture paddocks• Water• Feed rations• Hay barn• Silage silos	<ul style="list-style-type: none">• Feeding stalls• PPEs• Weighing balances and bands• Wheelbarrows• Water troughs