

FORMULATION OF DAIRY FEED

UNIT CODE: 0811 341 07A

TVETCDACC UNIT CODE: DA/CU/FM/CR/03/4/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Formulate Dairy Feed

Duration of Unit: 50 hours

Unit Description

This unit specifies the competencies required to formulate dairy feed. It involves preparing to formulate dairy feed, formulating dairy feed, evaluating dairy feed formulation and completing dairy feed formulation.

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 formulate dairy feed	10
2.	Formulate dairy feed	15
3.	Evaluate dairy feed formulation	15
4	Complete dairy feed formulation	10
Total		50

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare to formulate dairy feed	1.1.Feed formulation tools, equipment, materials and supplies 1.1.1. Feedstuff sampling	<ul style="list-style-type: none">• Written tests• Observation• Oral questions

	1.1.2. Ration package labelling 1.1.3. Feed processing 1.1.4. Feed mixing 1.1.5. weighing	<ul style="list-style-type: none"> • Third party report • Interviewing
2. Formulate dairy feed	2.1. Preparing and processing of feed ingredients 2.2. Feed mixing rations 2.3. Feeds packaging and storage	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party report
3. Evaluate feed formulation	3.1. Feed ration sampling 3.2. Feed ration judging	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party report
4. Complete dairy feed formulation	4.1. Good manufacturing practices 4.2. Waste product 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
- Assignment

Recommended Resources

Functional dairy farm with the following:		
<ul style="list-style-type: none"> • Tractors • Trailer • Chopping implements • Hammer mills • Grinding mills • Feed mixers • Feedstuff • Detergents 	<ul style="list-style-type: none"> • Water • Packaging material • Labels • Feed stores • Stationery • Weighing balances • Pest control equipment and materials 	<ul style="list-style-type: none"> • Pelletizing machines • Sampling kits • Gunny bags • Twines • PPEs • Livestock Production Manual • HACCP plan

• Fumigants		• Public Health Act Cap 254.
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