

FEED PROCESSING EQUIPMENT

ISCED UNIT CODE: 0716 351 03A

TVETCDACC UNIT CODE: AGR/CU/LFP/CR/03/4/MA

UNIT DURATION: 180 Hours

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Operate Feed Processing Equipment

Unit Description

This unit covers the competencies required in operate feed processing equipment. It involves preparing feed processing equipment, controlling feed processing equipment and maintaining feed processing equipment.

Summary of Learning Outcomes

By the end of this unit, the trainee will be able to:

SNO	Learning Outcomes	Duration (Hours)
1.	Prepare feed processing equipment	60
2.	Control feed processing equipment	60
3.	Maintain feed processing equipment	60

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Prepare Feed Processing Equipment	1.1. Personal protective equipment 1.1.1. Gumboots 1.1.2. Overall 1.1.3. Goggles 1.1.4. Helmet 1.1.5. Nose masks	<ul style="list-style-type: none">PracticalThird party reportProjectsPortfolio of evidenceWritten testsOral questions

	<p>1.1.6. Gloves</p> <p>1.2. Feed processing tools and equipment</p> <ul style="list-style-type: none"> 1.2.1. Pelletizers 1.2.2. Mills 1.2.3. Dryers 1.2.4. Grinder 1.2.5. Packaging equipment 1.2.6. Labelling equipment <p>1.1 Feed processing equipment and facility cleaning.</p> <p>1.2 Waste management</p>	
2. Control feed processing equipment	<p>2.1 Personal Protective Equipment (PPEs)</p> <p>2.2 Feed ingredients assembling</p> <p>2.3 Feed processing equipment is operation</p> <ul style="list-style-type: none"> 2.3.1 Pelletizers 2.3.2 Mills 2.3.3 Dryers 2.3.4 Grinders <p>2.4 Waste management</p>	<ul style="list-style-type: none"> • Practical • Third party report • Projects • Portfolio of evidence • Written tests • Oral questions
3. Maintain feed processing equipment	<p>3.1 Maintenance tools</p> <ul style="list-style-type: none"> 3.1.1 Greasing gun 3.1.2 Spanners 3.1.3 Pliers <p>3.2 Feed processing service and repair</p> <p>3.3 Feed processing equipment maintenance records</p>	<ul style="list-style-type: none"> • Practical • Third party report • Projects • Portfolio of evidence • Written tests • Oral questions

Suggested Methods of Instruction

- Practical
- Role playing
- Discussion
- Direct instruction

Recommended Resources for 25 trainees

S/No.	Category/Item	Description/Specifications	Quantity	Recommended Ratio (Item: Trainee)
A	Learning Materials			

1.	Textbooks	Animal nutrition textbooks	5 pcs	1:5
2.	Feed processing manuals	KALRO feed processing manual	1	1:25
3.	Charts	feed	5	1:5
4.	PowerPoint presentations	For trainer's use		
B	Learning Facilities & infrastructure			
5.	Lecture/theory room		1	1:25
6.	Workshop		1	1:25
7.	Laboratory		1	1:25
8.	Site		1	1:25
C	Consumable materials			
9.	Packaging materials sacks		25 pcs	1:1
10.	Labels printed		25 pcs	1:1
11.	Feed		25 pcs	1:1
D	Tools and Equipment			
12.	Pelletizers		25 pcs	1:1
13.	Mills		25 pcs	1:1
14.	Dryers		25 pcs	1:1
15.	Grinders		25 pcs	1:1
16.	Greasing gun		25 pcs	1:1
17.	Spanners		25 pcs	1:1