

MILKING DAIRY ANIMALS

UNIT CODE: 0811 341 03A

TVETCDACC UNIT CODE: DA/CU/FM/CR/03/3/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Milk dairy animals

Duration of Unit: 60 hours

Unit Description

This unit specifies the competencies required to milk dairy animals. It involves preparing to milk dairy animals, milking dairy animals and complete dairy animal milking.

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 milk dairy animals	15
2.	Milk dairy animals	30
3.	Complete dairy animal milking	15
Total		60

Learning Outcomes, Content and Methods of assessment

Learning Outcome	Content	Methods of assessment
1. Prepare to milk dairy	1.1.Milking tools and equipment 1.1.1.Milking buckets	Written tests Observation

Learning Outcome	Content	Methods of assessment
animals	1.1.2.Sieve 1.1.3.Cans 1.1.4.Mastitis test kit 1.1.5.Strip cup 1.1.6.Teats dip cup 1.1.7.Portable milking machine 1.2.Milking materials and supplies 1.2.1.Milking salve 1.2.2.Udder clothes 1.2.3.Mastitis testing reagents 1.2.4.Teats dip solution 1.2.5.Restricting rope 1.3.Milking animals 1.4.Dairy cattle 1.4.1. Dairy goats 1.4.2. Camels 1.5.PPEs used in milking. 1.5.1.Head gear 1.5.2.Gumboots 1.5.3.Overall 1.5.4.Face mask 1.6.Occupational safety and health procedures	Oral questions Third party reports Interviewing
2. Milk dairy animals	2.1.Animal restricting techniques 2.2.Hygienic milk production 2.2.1.Udder preparation 2.3.Mastitis test and prevention 2.3.1.Strip cup 2.3.2.California mastitis test. 2.4.Milking methods, techniques and routine	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party reports

Learning Outcome	Content	Methods of assessment
	2.4.1.Hand milking 2.4.2.Machine milking 2.5.Post-milking activities 2.5.1.Udder disinfection 2.5.2.Milk weighing 2.5.3.Milk sieving 2.6.Milk storage.	
3. Evaluate dairy animal milking	3.1.Milk let down process 3.2.Hygienic practice of milking parlor and equipment 3.3.Milking machine maintenance	<ul style="list-style-type: none"> • Observation • Written tests • Oral questions • Interviewing • Third party report
4. Complete dairy animal milking	4.1.Milking parlour and equipment cleaning methods and storage 4.2.Documentation of milk yield 4.3.Waste management.	<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"> • Milking parlour • Milking buckets 	<ul style="list-style-type: none"> • Teat dip • Disinfectants 	<ul style="list-style-type: none"> • Sieves • Waste management

<ul style="list-style-type: none"> • Milk holding cans and cooling tanks • Strip cup • Carlifonia Mastitis Test (CMT) kit • Udder cloth 	<ul style="list-style-type: none"> • Detergents • Hand brooms, brushes and scrubbers • Water • Restraining ropes / chains 	<p>equipment and material</p> <ul style="list-style-type: none"> • Stationery • Milk record sheets / books • PPEs • Weighing balances
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