

GROWER POULTRY MANAGEMENT

ISCED UNIT CODE: 0811 341 03 A

TVETCDACC UNIT CODE: POL/CU/LY/CR/01/4/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Manage Poultry Growers

Duration of Unit: 80 hours

Unit Description

This unit specifies the competencies required to manage poultry growers. It involves sanitizing grower house, setting-up grower house equipment and structures, transferring poultry to growers' house, feeding growing poultry, managing growers house litter, poultry house micro climate and growers' health. It also includes managing biosafety measures and monitoring growing poultry.

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Sanitize growers house	5
2.	Set-up grower house equipment and structures	10
3.	Transfer poultry to growers' house	5
4.	Feed growing poultry	10
5.	Manage growers house litter	15
6.	Manage poultry house micro climate	15
7.	Manage growers health	10
8.	Manage biosafety measures	5
9.	Monitor growing poultry	5
Total		80

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Sanitize growers house	1.1. Litter removal and disposal 1.2. House cleaning 1.2.1. Types of detergents 1.2.2. Tools required in cleaning 1.2.3. Cleaning procedure 1.3. House disinfection 1.3.1. Types of disinfectants 1.3.2. Factors determining choice of disinfectants 1.3.3. Factors determining effectiveness of disinfectants 1.3.4. Tools required in disinfection 1.3.5. Disinfection procedure	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing
2. Set-up grower house equipment and structures	2.1. Equipment and structures required in a grower house 2.2. Types 2.2.1. Perches 2.2.2. Laying nests 2.2.3. Feeders 2.2.4. Drinkers 2.2.5. Catching hooks 2.2.6. Weighing scales 2.3. Specifications for the structures and equipment 2.3.1. Number 2.3.2. Dimensions 2.4. Improvised feeders and drinkers 2.4.1. Designs 2.4.2. Materials	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project

3. Transfer poultry to growers' house	3.1. Transferring the growers 3.1.1. Method and equipment used in the transfer of growers 3.1.2. Handling precautions 3.1.3. Stocking density 3.1.4. Separation of chicks and growers 3.2. Factors considered in culling growers	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing •
4. Feed growing poultry	4.1. Feed requirements of growers 4.1.1. Nutritional quality of feed 4.1.2. Amount 4.1.3. Feeding schedule 4.2. The role of grit 4.3. Water requirements of growers 4.3.1. Quality 4.3.2. Quantity	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project
5. Manage growers house litter	5.1. Role of litter in poultry house 5.2. Factors determining choice of litter material 5.3. Common litter defects 5.3.1. Wet litter 5.3.2. Dusty litter 5.4. Wet litter 5.4.1. Causes of wet litter 5.4.2. Dangers associated with wet litter 5.4.3. Corrective measures for wet litter 5.5. Dusty litter 5.5.1. Dangers associated with dusty litter 5.5.2. Corrective measures for dusty litter	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project

	5.6. General litter maintenance practices 5.6.1. Adequate ventilation 5.6.2. Turning 5.6.3. Litter addition	
6. Manage poultry house micro climate	6.1. Micro-climatic requirements in grower house 6.1.1. Ventilation 6.1.2. Humidity 6.1.3. Temperature 6.1.4. Light 6.2. Lighting regime for growers 6.3. Methods of assessing micro-climatic variations in grower house 6.3.1. Use of tools and equipment 6.3.2. Human senses 6.3.3. Non-conventional aids 6.4. Corrective measures for micro-climate variations 6.4.1. Temperature 6.4.2. Humidity 6.4.3. Ventilation 6.4.4. Lighting	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project
7. Manage growers health	7.1. Common diseases affecting growers 7.2. Grower vaccination schedule 7.3. Handling and storage of vaccines 7.4. Equipment and tools required for vaccination. 7.5. Vaccination procedures 7.5.1. Types of vaccines 7.5.2. Pre- vaccination preparation 7.5.3. Actual vaccination 7.6. Post-vaccination behaviour in growers	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing

	<p>7.6.1. Normal</p> <p>7.6.2. Abnormal</p> <p>7.7. Grower vaccination records</p>	
8. Manage biosafety measures	<p>8.1. Biosafety structures/ facilities to consider in grower house</p> <p>8.2. Biosafety practices required in grower house</p> <p>8.2.1. Assessment of Bio-safety conformity</p> <p>8.2.2. Staff Monitoring</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project
9. Monitor growing poultry	<p>9.1. Growth and development pattern in growers</p> <p>9.1.1. Feathering</p> <p>9.1.2. Combs and wattles</p> <p>9.1.3. Weight gain</p> <p>9.2. Factors influencing growth in growers</p> <p>9.2.1. Genetics</p> <p>9.2.2. Feed</p> <p>9.2.3. Environment</p> <p>9.3. Grower behaviour</p> <p>9.3.1. Feeding behaviour</p> <p>9.3.2. Activity</p> <p>9.3.3. Vices</p> <p>9.4. Grower vices</p> <p>9.4.1. Types</p> <p>9.4.2. Causes</p> <p>9.4.3. Control measures</p> <p>9.5. Methods of assessing growth performance of chicks</p> <p>9.5.1. Weighing</p> <p>9.5.2. Physical appearance</p> <p>9.6. Performance assessment equipment and</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project

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Suggested Methods of Instruction

- Project
- Demonstration by trainer
- Practice by the trainee
- Discussions
- Direct instruction
- Case study
- Audio –visual aids

Recommended Resources for 25 Trainees

Functional poultry unit with the following:		
<ul style="list-style-type: none"> • Shovel • Broom • Wheel burrow • Sanitizing agents • Brush • Detergents • Knapsack sprayer • Litter • Rake • Hammer • Timber • Nails 	<ul style="list-style-type: none"> • Saw • Catching hook • Weighing scale • Jerry can • Crates • Feeders • Drinkers • Grit container • Grit • Water • Feed • Vaccine 	<ul style="list-style-type: none"> • Multivitamins • Syringe • Needles • Cool box • Freezer • Disinfectant