

PIG STOCK PRODUCTION

ISCED UNIT CODE: 0811351 02A

TVETCDACC UNIT CODE: AGR/CU/PP/CR/02/3/MA

Relationship to Occupational Standards

This unit addresses the unit of competency: producing pig stock

Duration of Units: 120 hours

Unit Description

This unit covers the competencies required to produce pig stock. It involves implementing a pig breeding program, carrying out routine pig stock management practices as well as herd health management and biosecurity practices.

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Implement a Pig Breeding Programme	30
2.	Carry Out Routine Pig Stock Management Practices	60
3.	Carry Out Health Management and Bio-Security Practices	30
Total		120

Learning Outcomes, Content, and Suggested Assessment Methods

Learning Outcome	Content	Methods of Assessment
1. Implement the pig breeding program	<p>1.1. Meaning of terms:</p> <ul style="list-style-type: none"> 1.1.1. breeds, 1.1.2. breeding, 1.1.3. breeding program, 1.1.4. selection, 1.1.5. litter, 1.1.6. crossbreeding, <p>1.2. Identification of breeds.</p> <ul style="list-style-type: none"> 1.2.1. Duroc 1.2.2. Large white 1.2.3. Land race 1.2.4. Hampshire 1.2.5. Camborough <p>1.3. Pig breeding options</p> <ul style="list-style-type: none"> 1.3.1. Natural mating 1.3.2. Artificial insemination. <p>1.4. Pig breeding program</p>	<ul style="list-style-type: none"> • Written Assessment • Practical Assessment • Third party report • Oral Assessment
2. Carry out routine pig stock management practices	<p>2.1. Meaning of terms:</p> <ul style="list-style-type: none"> 2.1.1. Generic, 2.1.2. Non-generic, 2.1.3. piglets, 2.1.4. weaners, 2.1.5. boar, 2.1.6. gilt, 2.1.7. runt, 2.1.8. sow, 2.1.9. rigs, 2.1.10. porkers, 	<ul style="list-style-type: none"> • Written Assessment • Practical Assessment • Third party report • Oral Assessment

Learning Outcome	Content	Methods of Assessment
	<p>2.1.11. baconers, 2.1.12. farrowing, 2.1.13. parity, 2.1.14. barrow, 2.1.15. in-pig, 2.1.16. pig cycle, 2.1.17. hereditary abnormalities 2.1.18. farrowing</p> <p>2.2.Pig routine management practices records and record keeping</p> <p>2.2.1. Tooth creeping 2.2.2. Branding</p> <p style="margin-left: 2em;">2.2.2.1. Tattooing 2.2.2.2. Notching 2.2.2.3. Ear tagging.</p> <p>2.2.3. Castration 2.2.4. Tail docking 2.2.5. Spraying 2.2.6. Cleaning 2.2.7. Feeding.</p> <p>2.3.Pig handling</p> <p>2.3.1.Pig behaviour and vices 2.3.2. Hog snare 2.3.3. V shaped 2.3.4. Use of a bucket. 2.3.5. Chemical restraint.</p> <p>2.4.Record keeping</p> <p>2.4.1. Importance of records</p>	

Learning Outcome	Content	Methods of Assessment
	2.4.2. Types of records 2.4.2.1. Breeding record 2.4.2.2. Feeding records 2.4.2.3. Health records	
3. Carry out health management and bio-security practices	3.1. Meaning of terms; 3.1.1.health, 3.1.2.disease, 3.1.3. vaccination, 3.1.4.mortality, 3.1.5.morbidity, 3.1.6.quarantine, 3.1.7.notifiable diseases, 3.1.8.zoonosis 3.1.9.Signs of healthy a pig 3.2.Pig farm bio-security practices 3.2.1. Controlled access 3.2.2. Cleaning and disinfectant 3.2.3. Waste management 3.2.4. Feed and water management 3.2.5. Monitoring animal health. 3.3.Pig herd health management records	<ul style="list-style-type: none"> • Written Assessment • Practical Assessment • Third party report • Oral Assessment

Suggested Methods of instructions

- Demonstration by trainer
- Practice by the trainee
- Discussions
- Direct instruction
- Outreach programme

- Field visit

Recommended Resources for 25 trainees

Tools and Equipment	Materials and supplies	Structures
<ul style="list-style-type: none"> • Weighing equipment • 5 Tooth clippers • 5 Restrainers • 5 knapsack Sprayers • 10 Health kits • 25 sets of PPEs • Cleaning equipment; 5 brooms, 5 wheelbarrow, 25 buckets • Assorted Identification equipment • Heating equipment/system • 5 Pregnancy kits • Grooming equipment • Waterer (ratio of 1 waterer to 10 pigs) • feeders (ratio of 10 pigs to 1 feeder) 	<ul style="list-style-type: none"> • Assorted Surgical blades • Assorted Disinfectants • Reliable water source • Assorted Detergent • Assorted Feeds • 5 Samples pig production records • Assorted Stationerries 	<ul style="list-style-type: none"> • 1 Pig unit/sty • Wallowing tank • Roll Chains to prevent cannibalism