

CROP PROTECTION

ISCED UNIT CODE: 0811 351 04B

UNIT CODE: AGR/CU/EXT/CR/02/4/B

RELATIONSHIP TO OCCUPATIONAL STANDARDS:

This unit addresses the unit of competency: Perform crop protection

DURATION OF UNIT: 80 hours

UNIT DESCRIPTION

This unit specifies the competencies required to perform crop protection. It involves preparing for disease and pest control, controlling diseases and pest and Completing pest and disease control.

SUMMARY OF LEARNING OUTCOMES

1. Prepare for pest and disease control.
2. Control pest and disease
3. Complete pest and disease control

Learning Outcomes, Content and Suggested Assessment Methods

| Learning Outcome | Content | Methods of assessment |
|--------------------------------------|---|--|
| Prepare for pest and disease control | <ul style="list-style-type: none">• Plant Diseases• Pests• Tools, equipment, materials and machinery for disease and pest control (types, use, repair and maintenance)• Scouting, identification and mapping• Personal protective equipment (identification and use)• Occupational safety and health | <ul style="list-style-type: none">• Oral questions• Demonstration• Observation• Written tests |
| Control disease and pest | <ul style="list-style-type: none">• Good agricultural practices• pest and disease control methods• Indigenous technical knowledge on pest and disease control.• Emerging technologies in pest and disease management.• Environmental management | <ul style="list-style-type: none">• Oral questions• Demonstration• Observation• Written tests |
| Complete disease and pest control | <ul style="list-style-type: none">• Tools, equipment and machinery maintenance (cleaning and storage)• Record keeping | <ul style="list-style-type: none">• Oral questions• Demonstration |

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| | <ul style="list-style-type: none"> • Waste management • Occupational Safety and health | <ul style="list-style-type: none"> • Observation • Written tests |
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Suggested Methods of instructions

- Practical demonstration of tasks by trainer
- Practice by trainees
- Observations and comments and corrections by trainers
- Instructor led facilitation of theory
- Discussions
- Questions & answers

Recommended Resources for 25 Trainees

- Occupational Safety and Health Act of 2007
- Environmental, Health and Safety manual
- National Environmental Management Authority regulations
- Environmental Management and Coordination Act (EMCA) 2015
- Machine/equipment manufacturer's specifications and instructions
- Chemical manufacturers' manuals
- Tools, materials and equipment:
 - Biological agents
 - Chemicals
 - Flags
 - Mixing tanks
 - Pegs
 - Personal protective equipment (PPE)
 - Sprayers
 - Water