

## CROP PROTECTION

**UNIT CODE:** AGR/CU/EXT/CR/02/4/A

### 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"><li>• Plant Diseases</li><li>• Pests</li><li>• Tools, equipment, materials and machinery for disease and pest control (types, use, repair and maintenance)</li><li>• Scouting, identification and mapping</li><li>• Personal protective equipment (identification and use)</li><li>• Occupational safety and health</li></ul>	<ul style="list-style-type: none"><li>• Oral questions</li><li>• Demonstration</li><li>• Observation</li><li>• Written tests</li></ul>
Control disease and pest	<ul style="list-style-type: none"><li>• Good agricultural practices</li><li>• pest and disease control methods</li><li>• Indigenous technical knowledge on pest and disease control.</li><li>• Emerging technologies in pest and disease</li></ul>	<ul style="list-style-type: none"><li>• Oral questions</li><li>• Demonstration</li><li>• Observation</li><li>• Written tests</li></ul>

	management. <ul style="list-style-type: none"> <li>• Environmental management</li> </ul>	
Complete disease and pest control	<ul style="list-style-type: none"> <li>• Tools, equipment and machinery maintenance (cleaning and storage)</li> <li>• Record keeping</li> <li>• Waste management</li> <li>• Occupational Safety and health</li> </ul>	<ul style="list-style-type: none"> <li>• Oral questions</li> <li>• Demonstration</li> <li>• Observation</li> <li>• Written tests</li> </ul>

### **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**

- 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