



Australian Government

AHCPMG202 Treat plant pests, diseases and disorders

Release: 2

AHCPMG202 Treat plant pests, diseases and disorders

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to recognise plant pests, diseases and disorders, determine the treatment options and apply treatments under supervision.

The unit applies to individuals working in a broad range of job contexts who undertake defined routine activities under supervision. They exercise limited autonomy within established and well known parameters, providing solutions to a limited range of predictable problems.

State or territory licensing, legislative or certification requirements apply in some jurisdictions.

Pre-requisite Unit

Nil

Unit Sector

Pest Management (PMG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to treat plant pests, diseases and disorders	1.1 Identify and record details of pest, disease or disorder and confirm with supervisor according to workplace procedures 1.2 Discuss and select appropriate control technique with the

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	supervisor 1.3 Perform calculations according to control option and treatment requirements and confirm with supervisor 1.4 Select and prepare equipment for use according to workplace procedures, supervisor instructions and manufacturer specifications 1.5 Secure treatment area according to health and safety in the workplace procedures and supervisors instructions 1.6 Identify health and safety hazards and risks in the workplace and apply appropriate controls according to supervisor instructions
2. Apply treatments to plant pests, diseases and disorders	2.1 Identify, select, fit and use personal protective equipment according to workplace procedures and manufacturer instructions 2.2 Prepare treatments according to supervisor's instructions, chemical label instructions, safety data sheets and manufacturer instructions 2.3 Apply treatments to minimise damage and exposure to off-target species according to workplace procedures, health and safety in the workplace and environmental legislative and regulatory requirements
3. Carry out post treatment operation	3.1 Clean and store personal protective equipment and application equipment according to workplace and environmental procedures 3.2 Dispose of treatment waste according to environmental procedures 3.3 Maintain records according to workplace procedures and legislative and regulatory requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret textual information from a range of sources to identify relevant and key information to operate equipment, determine methods and rates for treatments
Writing	Prepare treatment records using clear and accurate language and

Skill	Description
	terminology
Numeracy	Perform basic mathematical calculations to determine rates of application relevant to treatment option
Oral Communication	Use clear language and concepts, and tone and pace appropriate when communicating with supervisor
Navigate the world of work	Recognise and apply organisational expectations and follows explicit workplace procedures and protocols
Get the work done	Follow clearly defined instructions and sequencing, and monitors own progress for the task, seeking assistance when necessary

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG202 Treat plant pests, diseases and disorders Release 2	AHCPMG202 Treat plant pests, diseases and disorders Release 1	Minor changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPMG202 Treat plant pests, diseases and disorders

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have treated plant pests and diseases, including:

- recognised and recorded target pests, diseases and disorders and confirmed with supervisor
- discussed and selected control options with supervisor
- prepared control options and treatments following required procedures
- identified health and safety in the workplace and environmental hazards and risks and applied controls according to workplace procedures
- identified, selected, fitted and used personal protective equipment
- applied treatments safely ensuring off-target species were unaffected
- shut down, cleaned and stored personal protective equipment and application equipment according to environmental procedures
- disposed of waste according to workplace procedures and environmental procedures
- updated records according to workplace procedures and legislative and regulatory requirements.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- common pests, diseases and disorders identification
- pests, diseases and disorders and dissemination method common to work area
- pests, diseases and disorders treatment options, including:
 - cultural
 - chemical

- mechanical
- biological
- Integrated Pest Management
- basic environmental considerations when using chemicals for treating pests, diseases and disorders, including:
 - spray drift and off target damage
 - inversion
 - re-entry period
 - residues
 - chemical handling
- regulatory requirements and responsibilities when applying control measures
- pests, disease and disorders control equipment, capabilities and limitations
- health and safety in the workplace including personal protective equipment required for treating pests, disease and disorders
- principles and methods for securing treatment sites including, caution or hazard signs and signals
- purpose and use of chemical labels and safety data sheets (SDS)
- environmental considerations when treating pests, diseases and disorders, and disposing of waste materials
- record keeping methods and requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in the field or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - samples of pests, diseases and disorders to be identified and controlled
 - tools and equipment suitable for control options and treatments
 - personal protective equipment
 - treatment materials
- specifications:
 - workplace documents including instructions, treatment and control procedures and processes and forms for recording treatments
 - manufacturers' operating instructions for specific equipment
 - SDS for treatment materials
 - specific regulations
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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