



Australian Government

AHCPMG302 Control plant pests, diseases and disorders

Release: 3

AHCPMG302 Control plant pests, diseases and disorders

Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 2.0.
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 identify and assess the effect to plants of plant pests, diseases and disorders and plan and coordinate control measures.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving 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. Assess pests, disease and disorders	1.1 Identify and record plant pests, diseases, disorders and beneficial organisms in target area

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Assess the scope, stage and size of the pests, diseases or disorders 1.3 Determine tolerable threshold of pests, diseases or disorders according to workplace requirements
2. Plan the implementation of plant pests, diseases and disorder control measures	2.1 Identify and select control options according to workplace requirements and environmental procedures 2.2 Select tools, equipment and machinery for control measure according to workplace procedures 2.3 Identify and assess health and safety in the workplace hazards, risks and implement controls according to workplace procedures 2.4 Select, fit, use and maintain personal protective equipment according to manufacturer instructions and health and safety in the workplace procedures 2.5 Ensure control measures comply with health and safety in the workplace policies and environmental regulations
3. Implement plant pests, diseases and disorder control measures	3.1 Coordinate control measures with work team, contractors and suppliers according to sequence and timing in consultation with supervisor 3.2 Implement control measures according to workplace procedures and industry best practice 3.3 Maintain records according to workplace procedures and legislative and regulatory requirements
4. Monitor plant pests, diseases and disorder control methods	4.1 Monitor control measures to identify off-target effects 4.2 Assess effectiveness of management measures against planned outcomes according to workplace procedures 4.3 Adjust control methods where effectiveness has been below expectations

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
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Skill	Description
Reading	Read and interpret plans, regulations, and other documentation and consolidates information to determine and implement management measures
Writing	Accurately complete organisational records, plans and reports using clear language and industry terminology
Navigate the world of work	Take responsibility for following explicit and implicit policies, procedures, codes of practice and legislative requirements
Interact with others	- Select and use appropriate conventions and protocols when communicating with clients and co-workers in a range of work contexts - Cooperate with others and contributes to work practices where joint outcomes are expected and deadlines are to be met
Get the work done	- Take responsibility for planning, sequencing and prioritising tasks and workload - Make routine decisions and implements standard procedures for routine tasks, using formal decision making processes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG302 Control plant pests, diseases and disorders Release 3	AHCPMG302 Control plant pests, diseases and disorders Release 2	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 AHCPMG302 Control 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 the individual has demonstrated that on at least one occasion they can control pests, disease and disorders, including:

- identified and recorded pests, diseases and disorders, beneficial organisms on host plants in target area
- assessed damage, threat and threshold of pests diseases or disorders on host plants according to client, market or environment requirements
- selected and implemented pest, disease and disorder control measures according to workplace, environmental and safe work practices
- identified and selected tools equipment and resources necessary to implement the control measure
- identified and assessed health and safety hazards and risks and incorporate and implemented in controls strategies according to health and safety procedures
- identified, fitted and used personal protective equipment according to workplace procedures
- monitored the effectiveness of pest and disease control
- adjusted control measure on crop and off-target entities where outcomes were below expectation
- maintained records of pest and disease control activities according to regulatory and workplace requirements
- coordinated the control strategy with others according planned outcomes.

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:

- pest, disease and disorder and symptom recognition of host stress
- economic, aesthetic or environmental thresholds for a range of plant pests, diseases and disorders
- control strategies for pests diseases and disorders, including:
 - chemical
 - biological
 - cultural methods
 - treatments available
 - Integrated Pest Management
 - industry best practice
- tools, equipment and machinery for implementing the control strategies and the importance of calibration
- site monitoring and analysis techniques used to implement a control strategy
- implications of control strategies for:
 - target and off-target
 - site limitations
 - environmental implications
 - end market and production
 - environmental objectives
- health and safety in the workplace responsibilities for employees and employers
- correct use, maintenance and storage of personal protective equipment
- health and safety in the workplace and environmental regulatory requirements including hazardous substances regulations
- basic communications skills
- workplace and mandatory record keeping 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:
 - pests, diseases and disorders
 - tools and equipment for control program
 - personal protective equipment
- specifications:

- workplace documents including policies, procedures, processes and forms for record keeping
- manufacturers' operating instructions for specific equipment and machinery
- safety data sheets
- workplace instructions and client briefs
- specific legislation/codes of practice
- relationships:
 - clients
 - 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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