



Australian Government

AHCPCM405 Implement an integrated pest management program

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to assess infestations, and plan and implement an integrated pest management program.

The unit applies to individuals who apply specialist skills and knowledge to implementing an integrated pest management program. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Plant Culture and Management (PCM)

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 weed, pest and disease infestations	1.1 Determine operational parameters and objectives of the integrated pest management (IPM) program 1.2 Identify symptoms of weed, pest and disease infestation in

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	response to client needs 1.3 Define weed, pest and disease relationships and vectors as key factors in plan 1.4 Assess size and scope of infestation 1.5 Assess business implications and urgency of action according to published data and workplace procedures 1.6 Report to management conditions likely to impact on business viability
2. Plan appropriate integrated treatments for weeds, pests and diseases	2.1 Identify and confirm treatments selected include chemical or non-chemical products according to workplace procedures and IPM program 2.2 Outline integrated application of treatments in planning documentation 2.3 Identify and cost treatments that provide a suitable response to infestations, having regard to cost of damage, cost of infestation, marketing requirements, withholding periods and sustainable horticultural practices 2.4 Determine if professional assistance is required and seek professional assistance where necessary 2.5 Document IPM plan according to workplace procedures
3. Implement weed, pest and disease control measures	3.1 Confirm control procedures reflect sound implementation of integrated pest management strategy, marketing objectives and business imperatives 3.2 Develop and implement monitoring procedures 3.3 Communicate IPM plan and activities to staff, and supervise work according to the IPM plan 3.4 Identify non-compliance with documented objectives, and implement remedial actions to alleviate or overcome identified shortcomings in plan 3.5 Identify and record variances from IPM plan or monitoring procedures

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 about IPM program requirements and key factors in plan development
Oral communication	- Initiate discussions with management, using clear language to report conditions likely to impact on business viability - Use clear communications with staff to communicate IPM plan and activities
Numeracy	Calculate IPM plan treatment costs

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHPCPM405 Implement an integrated pest management program	AHPCPM403 Implement an integrated pest management program	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

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 AHCPM405 Implement an integrated pest management program

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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 implemented an integrated pest management (IPM) program on at least one occasion, and has:

- identified symptoms of weed, pest and disease infestation
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- applied and implemented IPM program requirements
- developed an IPM plan and monitoring procedures
- communicated IPM plan to staff, and supervised work.

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:

- principles and practices for integrated pest management, including:
 - application techniques for chemical and non-chemical treatments
 - concept and principles of IPM
 - cost and benefit analysis relevant to selection of weed, pest and disease control measures
 - crop and plant scouting and monitoring
 - ecological impacts of different control treatments
 - integration of weed, pest and disease control measures
 - lifecycles of hosts, predators and pests and diseases
 - sustainable horticultural practices
 - weeds and pests of specific horticultural workplaces
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to implementing an IPM program

- IPM program requirements.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - published data, marketing requirements, withholding periods and sustainable horticultural practice information relevant to implementing an integrated pest management program
 - industry publications and internet sources of information relevant to implementing an integrated pest management program
- specifications:
 - IPM program requirements
 - workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to implementing an IPM program
- relationships:
 - staff and management.

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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