

AHPCPM601 Develop and implement a plant health management strategy

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 5.0.
Release 1	Initial release

AHPCPM601	Develop and implement a plant health management strategy
Application	<p>This unit of competency describes the skills and knowledge required to gather information and advice on plant health and develop, implement and evaluate a <u>plant health</u> management strategy.</p> <p>The unit applies to individuals who apply advanced skills and knowledge to develop and implement a plant health management strategy and take personal responsibility and exercise autonomy in undertaking complex work. They analyse information and exercise judgement to complete a range of advanced skilled activities. They work in contexts that are subject to change and adapt a range of fundamental principles accordingly.</p> <p>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.</p> <p>No licensing, legislative or certification requirements to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Plants culture and management (PCM)

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. Develop a plant health and management program	1.1 Identify plant health issues from published data, historical records and industry consultation 1.2 Define management issues relative to desired quality, quantity and productivity requirements according to workplace marketing and production plans 1.3 Develop a program which defines workplace guidelines and specific responsibilities of operational elements to achieve required outcomes 1.4 Establish systems to monitor business goals 1.5 Seek professional assistance where appropriate 1.6 Consider and document the environmental implications of chemical use, alternative methods and non-chemical preventative methods 1.7 Assess and determine potential key information for input to planning decisions
2. Determine plant health strategy	2.1 Analyse gathered information and determine plant health management approaches 2.2 Consider plant health management approaches and their impacts 2.3 Determine strategies for plant health management to integrate the most suitable methods with the proposed plants and existing soil types 2.4 Establish environmental controls according to environmental and biosecurity legislation and regulations and include in the plan 2.5 Identify workplace health and safety hazards, assess risks and incorporate suitable controls into the plan

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Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Provide input to other planning processes	3.1 Provide plant health management strategy information for consideration and input to other workplace planning processes 3.2 Collect and use information from other workplace planning processes to inform the plant health management planning process 3.3 Communicate information about the range of planning processes according to workplace requirements
4. Determine scheduling and key responsibilities	4.1 Determine scheduling for plant health management, taking into consideration the range of seasonal, geographic, and resourcing factors 4.2 Determine key responsibilities for specific implementation processes 4.3 Determine record keeping requirements and establish procedures to ensure compliance with relevant regulations 4.4 Document strategic plant health management plan, including scheduling and key responsibilities 4.5 Confirm the plan includes the type, format, frequency and detail of any reporting required by both managers and operators
5. Monitor and adjust plant health management strategy	5.1 Evaluate the effectiveness of the plant health management strategy at key points and make adjustments as necessary 5.2 Identify and monitor environmental impacts and workplace health and safety hazards relating to plant health management and assess and manage risks throughout the implementation process 5.3 Make modifications to the plan, according to environmental, workplace health and safety, resourcing, or effectiveness reasons
6. Evaluate plant health management strategy and record results	6.1 Analyse data, observations and documentation from the implementation of the plant health management strategy against the plan. 6.2 Prepare recommendations for future strategies based on the analysis of the data 6.3 Prepare a report that documents the implementation of the strategy

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Foundation Skills	
<i>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.</i>	
Skill	Description
<u>Reading</u>	<ul style="list-style-type: none"> Identify and interpret information regarding plant health and management requirements
<u>Writing</u>	<ul style="list-style-type: none"> Develop a plant health and management program Document environmental implications of chemical use Document environmental, and workplace health and safety controls Document record keeping procedures and strategic plant health management plan Prepare recommendations for future strategies and a report that documents the implementation of the plant health management strategy
<u>Oral communication</u>	<ul style="list-style-type: none"> Initiate discussions with professionals, using clear language to seek assistance where required Initiate discussions with managers or operators where required, using clear language to communicate range of planning processes
<u>Numeracy</u>	<ul style="list-style-type: none"> Analyse published data and historical records for input to planning processes

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See *Guidelines* for the skills to be described, the order in which to list them and hints on writing descriptions

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Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHPCPM601 Develop and implement a plant health management strategy <u>Release 2</u>	AHPCPM601 Develop and implement a plant health management strategy <u>Release 1</u>	<u>Performance criteria clarified</u> <u>Foundation skills added</u> <u>Assessment requirements updated</u>	Equivalent unit

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

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TITLE	Assessment requirements for AHPCPC601 Develop and implement a plant health management strategy
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. <u>There must be evidence that the individual has developed and implemented a plant health strategy on at least one occasion and has:</u></p> <ul style="list-style-type: none"> <u>determined plant health management strategy.</u> <u>applied relevant workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures</u> <u>provided input to other planning processes</u> <u>determined scheduling and key responsibilities</u> <u>developed plant health management program</u> <u>documented record keeping procedures and strategic plant health management plan.</u> <u>evaluated plant health management strategy and recorded results</u> <u>monitored and adjusted plant health management strategy</u> <u>prepared recommendations for future strategies and implementation report.</u> 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> <u>principles and practices of plant health management, including:</u> <ul style="list-style-type: none"> <u>environmental controls and codes of practice applicable to the business and to plant health management operations</u> <u>environmental controls and codes of practice applicable to the enterprise</u> <u>integrated pest management.</u> <u>management of weed, pest and disease infestations</u> <u>management practices and processes to minimise plant health management control operations</u> <u>planning water budgets and irrigation strategies</u> <u>plant growth and development and growth regulators</u> <u>plant growth processes such as photosynthesis, respiration, nutrient uptake, solute transport and metabolism, water balance and osmotic pressure</u> <u>strategic aspects of managing plant quality, performance and nutrition</u> <u>workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to developing and implementing a plant health management strategy.</u> 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <u>physical conditions:</u> <ul style="list-style-type: none"> <u>a workplace setting or an environment that accurately represents workplace conditions.</u> <u>resources, equipment and materials:</u> <ul style="list-style-type: none"> <u>published data and historical records relevant to developing and implementing a plant health management strategy.</u> <u>workplace marketing and production plans.</u> <u>workplace planning processes relevant to developing and implementing a plant health management strategy.</u> <u>specifications:</u> <ul style="list-style-type: none"> <u>workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to developing and implementing a plant health management strategy.</u> <u>relationships:</u> <ul style="list-style-type: none"> <u>professionals, managers or operators.</u> <u>timeframes:</u> <ul style="list-style-type: none"> <u>according to job requirements.</u> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	

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The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.¶
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