



Australian Government

AHCPCM601 Develop and implement a plant health management strategy

Release: 1

AHCPCM601 Develop and implement a plant health management strategy

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to gather information and advice on plant health and develop and implement a management strategy on plant health.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Plants culture and management (PCM)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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 of marketing and production plans 1.3 Develop a program which defines enterprise guidelines and specific responsibilities of operational elements to achieve

Element	Performance criteria
	required outcomes 1.4 Establish systems to monitor business goals 1.5 Seek professional assistance where appropriate 1.6 Assess information to determine potential key information for input to planning decisions 1.7 Consider and document the environmental implications of chemical use, alternative methods and non-chemical preventative methods 1.8 Assess information to determine potential key information for input to planning decisions
2. Determine plant health strategies	2.1 Analyse gathered information for suitable approaches to plant health management 2.2 Consider strategies in the light of their impacts 2.3 Determine strategies for plant health management to integrate the most suitable methods with the proposed plants and the existing soil types 2.4 Establish environmental controls and include in the plan 2.5 Identify workplace health and safety hazards, assess risks and incorporate suitable controls into the plan
3. Provide input to other planning processes	3.1 Use details regarding plant health management strategies as input to other organisational planning processes 3.2 Collect and use information regarding other planning processes to inform the plant health management planning process 3.3 Communicate information about the range of planning processes verbally or in writing according to requirements and circumstances and the people involved
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 put procedures in place to ensure compliance with the range of applicable regulations 4.4 Document the strategic 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

Element	Performance criteria
5. Monitor and adjust plant health management strategies	5.1 Evaluate the effectiveness of the plant health management strategies 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 strategy as and when necessary for environmental, workplace health and safety, resourcing, or effectiveness reasons
6. Evaluate plant health management strategies and record result	6.1 Analyse data, observations and documentation from the implementation of the plant health management program against the plan, based on organisation guidelines 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 strategies

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHPCPM601A Develop and implement a plant health management strategy.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPM601 Develop and implement a plant health management strategy

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Performance Evidence

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.

The candidate must provide evidence that they can:

- determine plant health strategies
- determine scheduling and key responsibilities
- develop plant health management strategies
- evaluate plant health management strategies and record results
- provide input to other planning processes
- monitor and adjust plant health management strategies

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of plant health management
 - environmental controls and codes of practice applicable to the business and to plant health management operations
 - environmental controls and codes of practice applicable to the enterprise
 - Integrated Pest Management (IPM)
 - management of weed, pest and disease infestations
 - management practices and processes to minimise plant health management control operations
 - planning water budgets and irrigation strategies
 - plant growth and development and growth regulators
 - plant growth processes such as photosynthesis, respiration, nutrient uptake, solute transport and metabolism, water balance and osmotic pressure
 - strategic aspects of managing plant quality, performance and nutrition

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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