AHCPCM501 Diagnose plant health problems

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to diagnose plant health problems.

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. Monitor factors that influence plant health	1.1 Identify the plant species to the lowest taxonomic level and state its region of origin 1.2 Determine the seasonal growth stages of the plant 1.3 Record the day-to-day cultural practices used on each horticultural species 1.4 Determine the characteristics of the growing environment that affect the growth of a specific plant species

Element	Performance criteria
	1.5 Record climatic data and environmental growing conditions
	1.6 Record the presence or numbers of beneficial organisms
2. Diagnose plant health problems	2.1 Identify environmental and cultural factors that predispose plants to attack by pests and diseases
	2.2 Identify the symptoms and signs of plant health problems using accepted nomenclature
	2.3 Assess the severity and extent of the problem in a plant species
	2.4 Compare observations with published data, historical records and own experience
	2.5 Determine the possible causes of the plant health problem
	2.6 Consult with specialist services in severe, complex or rapid onset cases
	2.7 Sample plant or soil specimens and dispatch for specialist diagnosis or laboratory testing where required
	2.8 Record plant disorders and problems and document in a report
3. Remedy plant health problems	3.1 Formulate a weed, pest and disease control program, taking into account the Integrated Pest Management (IPM) strategy and production plan
	3.2 Identify a range of modifications to growing conditions for a specific situation or plant species to rectify plant health problems
	3.3 Identify resources, tools, equipment and machinery required for work activities, analyse the costs and benefits and confirm availability with suppliers, contractors and appropriate personnel
	3.4 Identify work health and safety hazards associated with work activities, assess risks and implement controls
4. Evaluate treatment program	4.1 Monitor plants during treatment
	4.2 Record appropriate data
	4.3 Compare observations to expected results
	4.4 Recommend modifications to the treatment program are to client or management
	4.5 Present treatment program report to client or management

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 AHCPCM501A Diagnose plant health problems.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72