



Australian Government

**Assessment Requirements for
AHCPCM507 Diagnose plant health
problems**

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.

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 diagnosed plant health problems on at least two occasions, and has:

- researched information about plant health problems, their diagnosis and remedial treatments
- differentiated between pest, disease and nutrient associated symptoms
- identified signs and symptoms of plant health problems
- assessed the severity, extent and speed of onset of health problems in a specific situation
- determined possible causes of the problem
- liaised with specialist services, clients and management
- formulated and documented a weed, pest and disease control plan
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- implemented a control plan to remedy the diagnosed health problems
- evaluated a control plan and recommended modifications.

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 of plant health, including:
 - chemical use, toxicity and compatibility with target plants, growth media and environmental characteristics of the horticultural region
 - chemical, cultural and biological control methods
 - evaluation procedures, including cost and benefit analysis, for plant and growth media treatments in relation to plant health, workplace budget and performance targets

- plant anatomy, morphology, physiology, histology, pathology, taxonomy and nomenclature
- plant nutrition issues associated with the growth media used and the horticultural region for specific plant species
- sustainable horticultural practices relevant to the workplace or horticultural region
- taxonomic descriptions, horticultural function, cultural and growth requirements, and target growth and performance characteristics of specific horticultural plants for the achievement of workplace production and business plans
- weeds, pests and disease detection methods, taxonomic identification, lifecycle stages and characteristic symptoms for the specific horticultural plants of the workplace
- workplace and industry record-keeping and reporting procedures and requirements
- workplace integrated pest management (IPM) strategy and production plan requirements
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to diagnosing plant health problems.

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 and historical records relevant to diagnosing plant health problems
 - workplace IPM strategy and production plan requirements
- specifications:
 - workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to diagnosing plant health problems
 - workplace and industry record-keeping and reporting procedures and requirements
- relationships:
 - specialist services, clients or management
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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