



Australian Government

AHCPGD507 Manage plant cultural practices

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 7.0.

Application

This unit of competency describes the skills and knowledge required to manage a plant cultural program, including defining site requirements, developing the site program, managing the implementation of the program, and monitoring, reviewing and documenting the program.

The unit applies to individuals who apply specialist skills and knowledge to managing plant cultural programs, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex 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

Parks and Gardens (PGD)

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. Define the plant cultural requirements of the site	1.1 Survey and record the range of plant life areas and plant species 1.2 Determine personnel and resources required for implementation and maintenance

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify hazards and assess risks associated with work activities, and implement control measures according to workplace health and safety procedures 1.4 Assess staff capability, skills and knowledge against implementation and maintenance requirements 1.5 Implement staff training and development as required to bridge gaps
2. Develop a plant cultural program for the site	2.1 Determine plant cultural practices over the duration of a documented planning period 2.2 Allocate resources and develop budgets for the implementation period 2.3 Source and contract required specialist cultural practice services 2.4 Develop a schedule of operations for the implementation period 2.5 Allow for environmental and cultural contingencies in the site program according to environmental and biosecurity legislation, regulations and workplace procedures
3. Manage the implementation of the program	3.1 Allocate and supervise staff and routine and contracted services 3.2 Sample, prepare and test soil types and growing media using staff field tests and laboratory tests by specialist services 3.3 Interpret test results and ameliorate soils and growing media where required 3.4 Confirm that materials and equipment are used according to workplace health and safety procedures 3.5 Log progress reports detailing on-going results of the plant cultural program
4. Monitor, review and document the program	4.1 Itemise daily workplace records, weekly or monthly expenses, and other information relevant to the plant cultural program in registers or diaries 4.2 Evaluate and document costs and expenditure against budgets 4.3 Monitor and appraise staff performance 4.4 Monitor, and evaluate routine and contracted services and record performance audits 4.5 Compare the plant cultural program to previous programs and make appropriate adjustments

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.6 Document results in a report covering all items of recorded information in the program

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
Numeracy	- Calculate and budget for costs of material, machinery and equipment resources - Calculate and budget for costs of labour, including staff, sub-contractors, specialist contracted services and staff training requirements
Oral communication	Use clear language to train and assess staff capabilities, and appraise staff performance

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPGD507 Manage plant cultural practices	AHCPGD501 Manage plant cultural practices	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	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 AHCPGD507 Manage plant cultural practices

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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 managed plant cultural practices on at least one occasion and has:

- allocated resources
- contracted specialist services
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- determined and implemented staff training and development where required
- determined plant cultural requirements
- developed a plant cultural program and budget documentation
- planned and scheduled of operations
- managed contingencies
- supervised, monitored and appraised the performance of work team and contracted services
- completed plant cultural program report.

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 cultural practice management, including:
 - budgeting and planning
 - operation and maintenance of irrigation systems
 - plant anatomy, physiology, morphology, taxonomy and nomenclature relevant to program
 - plant cultural practices
 - plant identification and selection

- plant nutrition requirements and practices
- soil types, properties, field tests and sampling techniques
- staff and contractor supervision and performance appraisal
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to managing plant cultural practices.

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:
 - soil and growing media sampling and testing equipment
- specifications:
 - workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to managing plant cultural practices
- relationships:
 - staff, contractors and specialist sub-contractors
- 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.

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