



Australian Government

AHCNSY301 Maintain nursery plants

Release: 1

AHCNSY301 Maintain nursery plants

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to maintain and care for nursery plants.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. 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

Nursery (NSY)

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. Prepare to work	1.1 Select and use appropriate materials, tools and equipment 1.2 Identify work health and safety hazards, assess risks and implement suitable controls 1.3 Select, use and maintain suitable safety and personal protective equipment (PPE)
2. Monitor and maintain the nursery environment	2.1 Monitor environmental parameters against the needs of the plants 2.2 Alter environmental parameters, as required, to meet the needs of nursery plants and market requirements 2.3 Service irrigation system components for basic operational use

Element	Performance criteria
	and repair or replace basic user serviceable parts
3. Determine daily water requirements	3.1 Determine water requirements according to the needs of the plant and environmental parameters 3.2 Apply water to meet the needs of the plant group 3.3 Monitor water requirements of the plant
4. Promote plant growth by intervention	4.1 Test potting media in production areas to ensure quality specifications are met 4.2 Monitor the health of the plant 4.3 Undertake plant interventions as required 4.4 Dispose of waste with full consideration of the environmental implications
5. Complete work	5.1 Clean and store equipment, tools and equipment 5.2 Maintain records on all maintenance activities

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 AHCNSY301A Maintain nursery plants.

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 AHCNSY301 Maintain nursery plants

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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:

- prepare for nursery plant maintenance activities
- calculate daily water needs
- implement a range of plant maintenance activities
- monitor plant health
- operate irrigation systems
- recognise stages of plant growth
- record workplace information
- repair or replace user serviceable irrigation components

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices of nursery plant maintenance
 - botany and plant physiology as it applies to plant maintenance
 - characteristics of various types of potting media
 - common problems that occur with nursery plants and their treatment
 - effect of different pruning and intervention methods
 - effects of environmental parameters on plant growth
 - factors affecting the growth of nursery plants
 - methods of calculating daily water needs
 - optimum growing conditions for a range of plants in a nursery
 - principles and operations of a range of irrigation systems used in nurseries
 - processes for modifying environmental parameters
 - relationship between plant water needs and environmental parameters

- symptoms of unhealthy plants
- treatments required by plants at different stages and environmental parameters

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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