



Australian Government

AHCNSY203 Undertake propagation activities

Release: 1

AHCNSY203 Undertake propagation activities

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to carry out a range of propagation tasks.

It applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context. 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 for plant propagation	1.1 Clarify work activity instructions with supervisor 1.2 Identify any work health and safety hazards and tell supervisor 1.3 Select and use tools and equipment for potting up 1.4 Clean and disinfect work area 1.5 Select and use suitable personal protective equipment (PPE) 1.6 Collect propagation material using the appropriate method for the species 1.7 Maintain and store propagation material to ensure maximum

Element	Performance criteria
	viability
2. Propagate plants	2.1 Apply pre-treatment appropriate to the propagation method and species 2.2 Carry out propagation techniques appropriate to the requirements of the species 2.3 Handle propagation material in a way that minimises damage and maximises viability 2.4 Apply water and nutrients to suit the media conditions, plant requirements and propagation techniques used 2.5 Apply labels 2.6 Monitor plant health and take remedial action if required
3. Complete propagation activities	3.1 Collect waste and dispose of or recycle to minimise damage to the external environment 3.2 Maintain records of activities in the appropriate format 3.3 Clean and store tools and equipment

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 AHCNSY203A Undertake propagation activities.

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 AHCNSY203 Undertake propagation activities

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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 plant propagation according to instructions
- collect propagation material as appropriate to species
- apply pre-treatments
- apply water and nutrients
- carry out a variety of propagation techniques
- collect propagation material
- maintain environmental parameters and temperature controls
- minimise damage to and maximise viability of propagated material
- maintain records of activities

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices of propagation
 - botany and plant physiology as it applies to propagation
 - common problems that occur while performing propagation activities
 - enterprise hygiene requirements
 - enterprise requirements for handling and disposal of nursery wastes
 - maintenance requirements of tools and equipment used for propagation
 - plant nutrition
 - propagation methods required for a range of plant species
 - quality specifications/characteristics of a range of parent plants and propagation materials
 - record keeping relevant to the work function

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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