



Australian Government

AHCNSY207 Undertake propagation activities

Release: 1

AHCNSY207 Undertake propagation activities

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to prepare for plant propagation, assist with plant propagation and complete propagation activities.

The unit applies to individuals who undertake propagation activities under general supervision with limited autonomy or accountability.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Nursery (NSY)

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. Prepare for plant propagation	1.1 Confirm propagation activities to be undertaken with supervisor 1.2 Recognise potential hazards and risks and implement safe working practices to minimise risk to self and others 1.3 Fit and use personal protective equipment applicable to the task 1.4 Collect and check appropriate tools, equipment and machinery for the task 1.5 Clean and disinfect work area according to workplace procedures 1.6 Organise propagation material for use as directed and in line with

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	workplace procedures 1.7 Prepare and store propagation material and growing media as directed and in line with workplace procedures
2. Propagate plants	2.1 Assist with applying pre-treatment appropriate to the propagation method 2.2 Undertake propagation techniques and monitoring of equipment processes as instructed 2.3 Handle prepared propagation material in a way that minimises damage and maximises viability 2.4 Insert prepared material in the propagation receptacle according to supervisor instructions 2.5 Apply water and treatments according to supervisor instructions 2.6 Apply labels according to workplace requirements 2.7 Maintain propagated plants according to supervisor instructions
3. Complete propagation activities	3.1 Remove and dispose of waste material according to workplace procedures, and perform cleaning procedures 3.2 Clean, maintain and store tools and equipment 3.3 Identify and report unserviceable tools, equipment and machinery according to workplace procedures 3.4 Record and report propagation activities according to workplace procedures and supervisor instructions

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
Writing	Use clear language and accurate industry terminology to record propagation activity and complete plant labels
Oral communication	Use clear language to confirm and report propagation activity and report tool and equipment unserviceability

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCNSY207 Undertake propagation activities	AHCNSY203 Undertake propagation activities	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not 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 AHCNSY207 Undertake propagation activities

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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 undertaken propagation activities on at least three occasions, including both seed and vegetative techniques and has:

- applied workplace health and safety requirements, including use of PPE
- prepared for plant propagation activities according to workplace instructions and procedures
- cleaned, used and maintained propagation tools, equipment and machinery
- collected propagation material as directed
- assisted with applying pre-treatments
- monitored equipment processes as instructed
- filled trays, containers or prepared media suitable for the propagation method as directed by supervisor
- undertaken propagation techniques as directed by supervisor
- minimised damage to and maximised viability of propagated material
- applied water and treatments according to supervisor instructions
- removed and disposed of waste material
- recorded and reported propagation activities and unserviceable tools, equipment and machinery.

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:

- workplace requirements applicable to propagation activities and health and safety in the workplace
- the principles and practices of propagation, including:
 - basic plant knowledge as it applies to propagation
 - common problems that occur while performing propagation activities

- workplace hygiene and biosecurity requirements
- workplace requirements for handling and disposal of nursery waste
- maintenance requirements of tools, equipment and machinery used for propagation
- basic plant nutrition as it applies to propagation
- basic seed and vegetative propagation techniques, including use of equipment
- quality specifications and characteristics of a range of parent plants and propagation materials
- record-keeping relevant to the work function.

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:
 - propagation tools, containers, equipment and machinery
 - seed and vegetative propagation material, growing media and treatments
 - personal protective equipment applicable to propagation activities
- specifications:
 - workplace requirements applicable to health and safety in the workplace and propagation activities
 - work instructions and workplace procedures applicable to propagation activities
- relationships:
 - supervisor
- 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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