

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.
Release 1	Initial release

AHCNSY203	Undertake propagation activities
Application	<p>This unit of competency describes the skills and knowledge required to prepare for plant propagation, propagate plants and complete propagation activities.</p> <p>The unit applies to individuals who undertaken propagation activities under general supervision with limited autonomy or accountability.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Nursery (NSY)

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 with supervisor propagation activities to be undertaken, including identifying potential hazards and risks and implementing safe working practices to minimise risk to self and others 1.2 Select appropriate tools and equipment 1.3 Clean and disinfect work area 1.4 Collect propagation material using appropriate method for the species 1.5 Select, fit and use personal protective equipment applicable to the task 1.6 Maintain and store propagation material to ensure maximum 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 according to media conditions, plant requirements and propagation techniques 2.5 Apply labels 2.6 Monitor plant health and take remedial action if required
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 and equipment according to workplace procedures 3.4 Record and report propagation activities according to workplace procedures

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations and products
Writing	<ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to prepare propagation activity records Complete plant labels
Oral Communication	<ul style="list-style-type: none"> 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
AHCNSY203 Undertake propagation activities Release 2	AHCNSY203 Undertake propagation activities Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCNSY203 Undertake propagation activities
Performance Evidence	
<p>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 and has:</p> <ul style="list-style-type: none"> • applied workplace health and safety requirements • selected, cleaned, used and maintained propagation tools and equipment • prepared for plant propagation activities according to workplace instructions and procedures • collected propagation material as appropriate to species • applied pre-treatments • applied water and nutrients • carried out a variety of propagation techniques • maintained environmental parameters and temperature controls • minimised damage to and maximised viability of propagated material • removed and disposed of waste material • minimised environmental impacts associated with propagation activities • recorded and reported propagation activities and unserviceable tools and equipment. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace requirements applicable to health and safety in the workplace for propagation activities • the principles and practices of propagation <ul style="list-style-type: none"> • botany and plant physiology as it applies to propagation • common problems that occur while performing propagation activities • workplace hygiene requirements • workplace requirements for handling and disposal of nursery waste • 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	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • a workplace setting or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • propagation tools, equipment, material, pre-treatments and nutrients • personal protective equipment applicable to propagation activities • specifications: <ul style="list-style-type: none"> • workplace requirements applicable to health and safety in the workplace and propagation activities • work instructions and workplace procedures applicable to propagation activities • relationships: <ul style="list-style-type: none"> • supervisor • timeframes: <ul style="list-style-type: none"> • according to job requirements. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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