

**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

<b>AHCNSY306</b>	<b>Implement a propagation plan</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to prepare, implement and complete a propagation plan.</p> <p>The unit applies to individuals who implement a propagation plan under broad direction and take responsibility for their own work.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	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 propagation activities	1.1 Determine work requirements from workplace instructions 1.2 Identify potential hazards and risks and implement safe working practices to manage risks 1.3 Select required tools, equipment and machinery and check for safe operation 1.4 Select, fit, use and maintain personal protective equipment applicable to the task 1.5 Prepare growing environment to suit species and propagation method 1.6 Implement hygiene practices
2. Select propagation material	2.1 Identify parent plant and select according to health, vigour and desired characteristics 2.2 Select and collect propagation material according to propagation method and species 2.3 Select appropriate conditioning and storage requirements to ensure maximum viability of propagating material
3. Prepare propagating media	3.1 Select media components for propagation mix 3.2 Test propagation media according to workplace quality specifications 3.3 Determine storage requirements for unused propagation media
4. Propagate plants	4.1 Prepare propagation material safely ensuring risks associated with airborne hazards are reduced 4.2 Perform propagation techniques appropriate for plant species 4.3 Handle plants to minimise damage 4.4 Provide aftercare to suit media conditions, plant requirements and propagation techniques employed
5. Complete propagation operations	5.1 Clean work site using appropriate hygiene requirements 5.2 Remove and dispose of waste according to workplace procedures 5.3 Clean and return tools, equipment and machinery to required location 5.4 Identify and report unserviceable tools, equipment and machinery according to workplace procedures 5.5 Record propagation activities according to workplace procedures

<b>Foundation Skills</b>	
<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>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Use clear language, accurate industry terminology and logical structure to prepare propagation activity records</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use clear language to report tool, equipment and machinery unserviceability</li> </ul>
Numeracy skills	<ul style="list-style-type: none"> <li>Calculated propagation media ratios, proportions and quantity</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCNSY306 Implement a propagation plan Release 2	AHCNSY306 Implement a propagation plan Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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<b>TITLE</b>	<b>Assessment requirements for AHCNSY306 Implement a propagation plan</b>
<b>Performance Evidence</b>	
<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 implemented a propagation plan on at least three occasions and has:</p> <ul style="list-style-type: none"> <li>• prepared for propagation activities according to workplace instructions</li> <li>• applied workplace health and safety requirements</li> <li>• selected, cleaned, used and maintained propagation tools, equipment and machinery</li> <li>• prepared the growing environment to suit species and propagation method</li> <li>• recognised and rectified problems and anomalies with parent plants, propagation material, propagation media, equipment and materials</li> <li>• selected appropriate propagation material</li> <li>• handled potting mixes and propagation materials in a safe manner</li> <li>• applied propagation techniques as appropriate to plants being propagated</li> <li>• provided aftercare to suit media conditions, plant requirements and propagation techniques</li> <li>• removed and disposed of waste material</li> <li>• recorded propagation activities.</li> </ul>	
<b>Knowledge Evidence</b>	
<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"> <li>• workplace requirements applicable to health and safety in the workplace for implementing a propagation plan</li> <li>• the principles and practices for implementing a propagation plan, including: <ul style="list-style-type: none"> <li>• aftercare requirements for a range of propagated plants</li> <li>• problems that may occur performing propagation activities and preventative action</li> <li>• enterprise hygiene standards required for propagation activities</li> <li>• preferred types of propagation media for different species</li> <li>• propagation techniques required for a range of plants</li> <li>• quality specifications for parent plants and propagation materials</li> <li>• testing methods applied to propagation media.</li> </ul> </li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• parent plants, potting mixes, propagation media and propagation material</li> <li>• propagation tools, equipment and machinery</li> <li>• personal protective equipment applicable to implementing a propagation plan</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• workplace requirements applicable to health and safety in the workplace for implementing a propagation plan</li> <li>• work instructions, workplace procedures and quality specifications applicable to implementing a propagation plan</li> </ul> </li> <li>• relationships: <ul style="list-style-type: none"> <li>• supervisor</li> </ul> </li> <li>• timeframes: <ul style="list-style-type: none"> <li>• according to job requirements.</li> </ul> </li> </ul> <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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