

Modification history

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

AHCNSY402	Plan a propagation program
Application	<p>This unit of competency describes the skills and knowledge required to plan a propagation program and monitor the implementation of the program.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to planning a propagation program. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.</p> <p>All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</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. Carry out preliminary planning activities for a plant propagation program	1.1 Determine production requirements in consultation with management 1.2 Evaluate space requirements for the program 1.3 Determine propagation techniques, taking into account the species and sound horticultural practice 1.4 Determine environmental parameters that impact on propagation 1.5 Identify hazards and assess risks in the workplace and implement control measures to manage risks according to workplace health and safety procedures
2. Develop the propagation plan	2.1 Identify labour, materials, tools and equipment needs 2.2 Determine strategies to modify environmental conditions, taking into account the type of plant and propagation method used 2.3 Determine propagation media requirements, taking into consideration the propagation method and needs of the plant 2.4 Determine selection criteria for propagation material 2.5 Identify propagation program hygiene requirements 2.6 Negotiate and document a budget supporting the propagation program 2.7 Document the propagation plan
3. Communicate plan and monitor success of propagation activities	3.1 Organise a schedule of activities 3.2 Communicate the propagation plan and schedule of activities to staff 3.3 Identify and record variances from plan and scheduled activities 3.4 Assess propagated plants for health, quality and viability

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"> Identify and interpret information regarding requirements for propagation program and plan
Writing	<ul style="list-style-type: none"> Develop a propagation plan and schedule of activities
Oral communication	<ul style="list-style-type: none"> Initiate discussions with management, using clear language to discuss production requirements, budget and propagation plan Use clear communications with staff to communicate propagation plan and schedule of activities
Numeracy	<ul style="list-style-type: none"> Calculate labour, materials, tools and equipment cost Document propagation budget

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCNSY402 Plan a propagation program Release 2	AHCNSY402 Plan a propagation program 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 AHCNSY402 Plan a propagation program
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 planned a propagation program on at least one occasion and has:</p> <ul style="list-style-type: none"> • applied relevant workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures • research information about production requirements, growth conditions and marketing implications • developed a propagation plan that identifies labour, materials and propagation media requirements and environmental conditions • identified hygiene requirements for propagation activities • negotiated, budgeted and document propagation plans • communicated plans and schedules to staff • monitored propagation program. 	
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 health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a propagation program • principles and practices of propagation program planning, including: <ul style="list-style-type: none"> • aftercare requirements for a range of propagated plant varieties and cultivars • application techniques for chemical and non-chemical intervention or treatments • common propagation activity problems and preventative actions • workplace hygiene standards required for propagation activities • identification, propagation and establishment techniques for a range of plants • workplace quality standards for parent plants and propagation materials • Plant Breeders Rights (PBR) and related legislation • preferred types of propagation media for different species • processes and techniques for preparing, costing and documenting plans and scheduling propagation activities • testing methods applied to propagation media. 	
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"> • production plans • industry publications and internet sources of information relevant to the planning of a propagation program • specifications: <ul style="list-style-type: none"> • workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a propagation program • Plant Breeders Rights (PBR) and related legislation • relationships: <ul style="list-style-type: none"> • management and staff • 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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