



Australian Government

AHCNSY404 Plan a propagation program

Release: 1

AHCNSY404 Plan a propagation program

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 plan a propagation program and monitor the implementation of the program.

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.

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.

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. Carry out preliminary planning activities for a plant propagation program	1.1 Determine production requirements 1.2 Determine propagation techniques, taking into account the species, cultivar and horticultural practice 1.3 Determine environmental parameters and space requirements that

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	impact on propagation program 1.4 Identify hazards and assess risks in the workplace, and control measures to manage risks according to workplace health and safety procedures
2. Develop the propagation plan and schedule	2.1 Identify propagation program activities 2.2 Identify seed and vegetative propagation material, tools and equipment requirements 2.3 Identify labour and workflow requirements 2.4 Identify and select environmental parameters, taking into account the type of plant and propagation method used 2.5 Determine propagation media requirements, taking into consideration the propagation method and needs of the plant 2.6 Determine container requirement to meet need 2.7 Determine selection criteria for propagation material 2.8 Identify propagation program hygiene practices 2.9 Determine propagation program budget 2.10 Document the propagation plan entering all information identified during development 2.11 Document the propagation program schedule
3. Communicate, coordinate, and monitor propagation plan	3.1 Communicate propagation plan and schedule of activities to staff 3.2 Coordinate activities according to program schedule and propagation plan 3.3 Monitor the health and condition of the plants to ensure they are performing according to propagation plan 3.4 Modify program schedule activities to achieve propagation plan requirements 3.5 Assess propagated plants for health, quality and viability

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
Reading	Identify and interpret information regarding requirements for propagation program and plan
Oral communication	- Initiate discussions with client or 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

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCNSY404 Plan a propagation program	AHCNSY402 Plan a propagation program	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 AHCNSY404 Plan a propagation program

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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 planned a propagation program on at least one occasion, and has:

- researched information about propagation requirements and plant end use
- identified and assessed factors that could impact the propagation program
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- developed and documented a propagation plan and schedule that identifies plants, labour, materials, costs, propagation media requirements and environmental conditions
- identified hygiene requirements for propagation activities
- communicated plans and schedules to staff
- overseen and monitored the propagation program.

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 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:
 - workplace quality standards for parent plants and other propagation materials
 - common propagation activity problems and preventative actions
 - techniques to minimise deterioration during preparation of propagules
 - types of propagation environments required to meet plan requirements
 - propagation program hygiene practices
 - identification of techniques to meet propagation requirements
 - Plant Breeder's Rights (PBR) and common licensing arrangements

- preferred types of propagation media for different species and cultivars
- quality specifications of propagation media
- processes and techniques for preparing, costing and documenting plans and scheduling propagation activities
- application techniques for chemical and non-chemical intervention or treatments
- aftercare requirements applicable to propagated plant species and cultivars.

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:
 - production plans
 - industry publications, internet and in house sources of information relevant to the planning of a propagation program
- specifications:
 - workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a propagation program
 - PBR and common licensing arrangements
- relationships:
 - management and staff
- 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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