



Australian Government

AHCNSY402 Plan a propagation program

Release: 1

AHCNSY402 Plan a propagation program

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to plan a propagation program and monitor the implementation of the program.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Nursery (NSY)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Carry out preliminary planning activities for a plant propagation program	1.1 Determine production requirements 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 Negotiate a budget for the propagation program 1.6 Identify work health and safety hazards, assess risks and

Element	Performance criteria
	implement control measures
2. Develop the propagation plan	2.1 Identify labour, materials, tools and equipment needs 2.2 Determine propagation media requirements, taking into consideration the propagation method and needs of the plant 2.3 Determine strategies to modify environmental conditions, taking into account the type of plant and propagation method used 2.4 Determine selection criteria for the propagation material 2.5 Determine hygiene requirements for propagation activities
3. Monitor success of propagation activities	3.1 Identify and record variances from plan and scheduled activities 3.2 Assess propagated plants for health, quality and viability

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCNSY402A Plan a propagation program.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCNSY402 Plan a propagation program

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- negotiate, budget and document propagation plans
- research information about production requirements, growth conditions and marketing implications
- develop a propagation plan that takes into account labour, materials and propagation media requirements and environmental conditions
- determine hygiene requirements for propagation activities
- monitor propagation activities

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices of propagation program planning
 - aftercare requirements for a range of propagated plant varieties and cultivars
 - application techniques for chemical and non-chemical intervention or treatments
 - problems performing propagation activities and preventative action
 - hygiene standards required for propagation activities
 - identification, propagation and establishment techniques for a range of plants
 - enterprise quality specifications for parent plants and propagation materials
 - Plant Breeders Rights (PBR) and related legislation
 - preferred types of propagation media for different species
 - processes for preparing plans for and scheduling propagation activities
 - testing methods applied to propagation media

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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