



Australian Government

Assessment Requirements for AHCNSY313 Implement a propagation plan

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

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 implemented a propagation plan on at least one occasion, and has:

- prepared for propagation activities according to workplace instructions
- applied workplace health and safety requirements, including use of PPE
- implemented hygiene and biosecurity practices applicable to plant propagation activities
- selected, cleaned, used and maintained propagation tools, equipment and machinery
- prepared the growing environment to suit species and propagation method
- selected appropriate propagation material
- applied propagation techniques and treatments as appropriate to plants being propagated
- applied a minimum of 7 of the following propagation techniques as part of that plan:
 - deflasking plantlets
 - tissue culture
 - seed sowing
 - budding and grafting
 - soft tip cutting
 - semi-hardwood cutting
 - hardwood cutting
 - leaf cutting
 - division
 - layering
- labelled propagated units or batches, and recorded propagation activities
- provided aftercare to suit growing conditions, plant requirements and propagation techniques
- removed and disposed of waste material.

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 requirements applicable to health and safety in the workplace for implementing a propagation plan
- problems that may occur performing propagation activities, and preventative action
- enterprise hygiene and biosecurity standards required for propagation activities
- the principles and practices for implementing a propagation plan, including:
 - preferred types of propagation media for different species
 - propagation techniques and treatments required for a range of plants
 - problems and anomalies with parent plants, propagation material, propagation media, equipment and materials, and their rectification
 - quality specifications for parent plants and propagation materials
 - testing methods applied to propagation media
 - aftercare requirements for a range of propagated plants.

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:
 - parent plants, propagation media and propagation material applicable to propagation techniques being undertaken
 - propagation tools, equipment and machinery
 - personal protective equipment applicable to implementing a propagation plan
- specifications:
 - workplace requirements applicable to health and safety in the workplace for implementing a propagation plan
 - work instructions, workplace procedures and quality specifications applicable to implementing a propagation plan
- relationships:
 - supervisor
- 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.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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