



Australian Government

Assessment Requirements for FWPNSY3006 Manage mother plants

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

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 managed mother plants in a tree nursery.

In undertaking this activity, the individual has:

- confirmed safety and environmental requirements, including use of personal protective equipment (PPE) and safe chemical handling procedures
- identified one plant suitable for use as a mother plant using industry accepted criteria
- maintained one mother plant in a tree nursery
- maintained records of one mother plant according to workplace procedures
- determined the need to replace one existing mother plant
- retired one existing mother plant and replaced with clone.

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:

- uses of mother plants:
 - cloning
 - scion
 - rootstock
- advantages of creating clones:
 - size
 - quality
 - yield
 - shortening growing cycle
- genetic relationship between mother plants and clones
- life cycle of mother plants

- characteristics of plants suitable for use as mother plants:
 - strong roots
 - strong stem
 - resistant to pests and fungi
 - large harvest yield
 - steady easy maturation
 - premium example of species
 - free of disease
 - healthy and vigorous enough to withstand material donation
- maintenance requirements of mother plants:
 - lighting
 - pruning and training
 - managing tree canopy
 - watering
 - fertilising
 - testing plant material for viruses and other organisms
 - pest and insect control measures
- techniques and requirements for maintaining mother plants in pots
- reasons for keeping mother trees in vegetative state
- safe handling, use, storage and transport of chemicals
- hazards and risks associated with maintaining mother plants.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - mother plant and clones
 - tools, equipment, materials and PPE required for work task
- specifications:
 - workplace health, safety and environmental policies and procedures applicable to tree nursery operations

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=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>