



Australian Government

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. |

Application

This unit of competency describes the skills and knowledge required to manage mother plants used in tree nurseries.

The unit applies to individuals working as arboriculture workers, farm forestry workers, forestry workers, nursery workers, plantation establishment workers, plantation forest officers and silviculturists who are involved in tree nursery operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Forest Nursery Production (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. Prepare to manage mother plants | <p>1.1 Determine job requirements from work order or instruction, and where required seek clarification from appropriate personnel</p> <p>1.2 Confirm safety and environmental requirements, including use of personal protective equipment and safe chemical handling procedures, for the task according to workplace procedures</p> |

| Elements | Performance Criteria |
|--|--|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| | <p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with managing mother trees</p> <p>1.4 Identify emergency and evacuation procedures to follow in the event of an incident or accident</p> <p>1.5 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace</p> <p>1.6 Select tools, equipment and materials, and check for serviceability according to workplace procedures</p> |
| 2. Select mother plants | <p>2.1 Identify characteristics of plants that are suitable for use as mother plants</p> <p>2.2 Select plants for use as mother plants</p> <p>2.3 Follow workplace procedures for establishment of mother plants</p> <p>2.4 Classify mother plants according to types and varieties</p> <p>2.5 Label mother plants according to workplace procedures</p> |
| 3. Maintain mother plants | <p>3.1 Set lighting level to maintain plants in vegetative phase</p> <p>3.2 Prune and train mother trees to maximise the number of healthy branches that can be trimmed to create clones</p> <p>3.3 Manage tree canopies to avoid overcrowding and maintain light penetration</p> <p>3.4 Water and fertilize mother plants according to workplace procedures and safety requirements</p> <p>3.5 Test plant material for viruses and other organisms according to workplace procedures and safety requirements</p> <p>3.6 Implement pest and insect control measures according to workplace procedures and safety requirements</p> <p>3.7 Maintain records of mother plants</p> |
| 4. Replace mother plant | <p>4.1 Assess strength of clones</p> <p>4.2 Retire existing mother plants and replace with clones</p> |

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 | <ul style="list-style-type: none"> Extract information from industry guides and standard references on techniques for maintenance of mother plants |
| Writing | <ul style="list-style-type: none"> Complete workplace forms and plant labels |
| Oral communication | <ul style="list-style-type: none"> Ask open and closed questions and use active listening techniques to clarify contents of work orders |
| Numeracy | <ul style="list-style-type: none"> Apply basic arithmetic functions to complete records related to mother plant maintenance |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|------------------------------------|---------------------------------|---|--------------------|
| FWPNSY3006 Manage mother plants | Not applicable | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>