



**Australian Government**

# **FWPNSY3001 Graft nursery stock for planting in seed orchard**

**Release: 1**

# FWPNSY3001 Graft nursery stock for planting in seed orchard

## 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 prepare and graft nursery stock onto selected root stock as part of forest nursery operations.

The unit applies to individuals who are involved in grafting as part of forestry 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 for grafting                          | 1.1 Determine job requirements from work order or instruction, and where required seek clarification from appropriate personnel<br>1.2 Confirm safety and environmental requirements, including use of personal protective equipment, for the task according to workplace procedures<br>1.3 Identify, assess and take actions to mitigate risks and hazards |

| 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>associated with grafting operations</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 for grafting operations, and check for serviceability according to workplace procedures</p>                                   |
| 2. Collect material for potential scion wood     | <p>2.1 Identify and select the individual tree to be cloned according to workplace procedures</p> <p>2.2 Identify the correct time and method for collecting scion wood</p> <p>2.3 Cut material for potential scion wood selection using appropriate equipment</p> <p>2.4 Apply appropriate labelling, storage, treatment and transport methods to maintain maximum viability of the material</p>                                                         |
| 3. Select scion wood                             | <p>3.1 Follow workplace hygiene practices and procedures to maintain a contamination-free work area</p> <p>3.2 Undertake work using established safe operating practices according to workplace procedures and environmental requirements</p> <p>3.3 Visually assess collected material and select scion wood for propagation according to work order requirements</p> <p>3.4 Dispose of discarded cutting material according to workplace procedures</p> |
| 4. Graft scion wood onto selected root stock     | <p>4.1 Select and prepare root stock for grafting</p> <p>4.2 Use handling methods that prevent damage to root stock and scion wood</p> <p>4.3 Select grafting type that is appropriate to species</p> <p>4.4 Apply grafting method and attach identifying labels to grafted plant according to workplace procedures</p>                                                                                                                                   |
| 5. Apply post-grafting management techniques     | <p>5.1 Provide and maintain nutrients and growing environment for grafted plant appropriate to the species requirements</p> <p>5.2 Take remedial action as required to control pests and diseases according to specified planting program</p> <p>5.3 Record and report grafting process to the appropriate personnel</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"><li>Extract routine information from industry guides and standard references on grafting techniques</li></ul>                                                          |
| Writing            | <ul style="list-style-type: none"><li>Complete labels legibly and accurately with correct species name</li></ul>                                                                                         |
| Oral communication | <ul style="list-style-type: none"><li>Ask open and closed questions and use active listening techniques to clarify contents of work orders</li><li>Provide oral reports on grafting activities</li></ul> |
| Numeracy           | <ul style="list-style-type: none"><li>Measure quantities of nutrients appropriate for grafted plant</li><li>Estimate timeframes appropriate to grafting processes</li></ul>                              |

## Unit Mapping Information

| Code and title current version                              | Code and title previous version | Comments                                          | Equivalence status |
|-------------------------------------------------------------|---------------------------------|---------------------------------------------------|--------------------|
| FWPNSY3001 Graft nursery stock for planting in seed orchard | FWPFGM2212 Graft cuttings       | Revised unit title<br>Updated all unit components | Not equivalent     |

## Links

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