



Australian Government

FWPNSY2002 Cut, sort and set cuttings

Release: 1

FWPNSY2002 Cut, sort and set cuttings

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 cut, sort and set cuttings as part of forestry operations.

The unit applies to individuals who cut, sort and set cuttings 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 cutting	1.1 Determine job requirements from work order or instruction, and where required seek clarification from appropriate personnel 1.2 Confirm safety and environmental requirements, including use of personal protective equipment, for the task according to workplace procedures 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>
	associated with cutting, sorting and setting operations 1.4 Identify emergency and evacuation procedures to follow in the event of an incident or accident 1.5 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Select tools, equipment and materials for cutting, sorting and setting operations, and check for serviceability according to workplace procedures 1.7 Clear and clean work area to prevent contamination of plants
2. Select cuttings for setting	2.1 Use equipment according to manufacturer instructions and workplace procedures 2.2 Prepare parent plant and take cutting using method appropriate to species 2.3 Assess cuttings visually, select and condition for propagation to maintain maximum viability appropriate to species requirements 2.4 Dispose of discarded cutting material according to workplace and environment protection practices
3. Prepare growing site and set cuttings	3.1 Prepare growing environment and weed retardants according to work order, and workplace procedures and environment requirements 3.2 Set cuttings in growing environment using appropriate tools and equipment 3.3 Control pests and diseases as required according to workplace procedures 3.4 Record and report cutting, sorting and setting production outcomes to appropriate personnel

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
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Skill	Description
Reading	Extract information from labels, industry guides and standard references on chemicals and other materials used in cutting, sorting and setting operations
Writing	- Complete workplace forms - Label cuttings
Oral communication	- Ask open and closed questions and use active listening techniques to clarify contents of work orders - Provide oral reports on cutting, sorting and setting operations
Numeracy	- Measure volume and mixing ratios for weed retardants - Estimate number and spacing of cuttings to be placed in growing medium

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPNSY2002 Cut, sort and set cuttings	FWPFGM2209 Cut, sort and set cuttings	Updated Application Statement Reworded Elements and Performance Criteria Minor updates to Performance Evidence and Knowledge Evidence Updated Foundation Skills and Assessment Conditions	Equivalent

Links

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

Assessment Requirements for FWPNSY2002 Cut, sort and set cuttings

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that individual has cut, sorted and set one batch of cuttings for one species of forest tree.

In undertaking this activity, the individual has:

- selected and used cutting and conditioning techniques, prepared the growing environment and set cuttings according to the individual species to ensure maximum viability of plants
- complied with workplace safety standards, including use of personal protective equipment (PPE)
- disposed of discarded cuttings according to environmental protection practices
- completed workplace records for production outcomes.

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:

- types, causes and consequences of spoilage and contamination of plant cuttings
- cleaning techniques, features and uses of cleaning products for plant preparation areas to avoid contamination of plants
- for the range of plants propagated by the workplace:
 - cutting techniques
 - pre-planting conditioning techniques, nutritional treatments and storage requirements to ensure maximum viability of plants
 - suitable growing environments to ensure maximum viability of plants
 - common pests, diseases and nutritional deficiencies and visual characteristics
- methods of remedial action for plants affected by pests and diseases:
 - removal of infected material
 - treatment of site with chemicals

- methods used to control weeds:
 - weed-mat
 - slatted benches
 - chemical solutions
- purpose, features and safe operation of equipment used to cut, sort and set cuttings
- environmental protection practices for disposing of plant cuttings:
 - recycling material where appropriate
 - sending pruned to landfill only where it cannot be recycled
- procedures for safe use, handling, storage and transport of chemicals
- workplace procedures specific to cutting, sorting and setting cuttings:
 - workplace health and safety, with particular emphasis on use of PPE and handling hazardous substances
 - communication reporting lines
 - recording and reporting site production outcomes.

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 or wood products work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - commercial quantities of plants to be propagated
 - tools, machinery, equipment and materials used in cutting, sorting and setting operations, including motorised or electrically powered automated systems or manually operated equipment and tools, pest control chemicals and weed retardants
 - PPE suitable for cutting, sorting and setting operations
- specifications:
 - workplace health, safety and environmental policies and procedures applicable to cutting, sorting and setting operations
 - workplace procedures for cutting, sorting and setting cuttings
 - safety data sheets for chemicals or plain English equivalent documents.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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