



Australian Government

FWPNSY2003 Follow quality procedures in forest nursery production

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 observe quality requirements in tree nursery production.

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. Assess quality of tree seedlings	1.1 Identify characteristics of quality tree seedlings according to industry standards and client requirements 1.2 Identify determinants of quality tree seedlings

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Assess visually the quality of seedlings according to workplace procedures 1.4 Monitor and measure seedlings during growing season and implement remedial actions as required 1.5 Record quality data in required format according to workplace procedures 1.6 Comply with safety and environmental requirements, including use of personal protective equipment, for the task according to workplace procedures
2. Assess own work against quality requirements for tree nursery production	2.1 Identify tree nursery quality requirements according to workplace procedures 2.2 Identify inputs and confirm compliance with quality requirements for tree nursery production 2.3 Complete tree nursery related work activities individually or in a team according to workplace procedures and quality requirements 2.4 Continuously check completed work for compliance with tree nursery quality requirements
3. Report non-compliances with quality requirements for tree nursery production	3.1 Check work area, materials, processes and product routinely to ensure compliance with tree nursery quality and workplace health and safety requirements 3.2 Identify inputs, processes and outputs that do not comply with tree nursery quality requirements, and take corrective action within the level of responsibility to maintain quality standards 3.3 Report out-of-specification tree nursery products or unacceptable performance to supervisor according to workplace procedures

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	Extract information from industry guides and standard references on quality procedures

Skill	Description
Writing	Complete workplace forms
Oral communication	Ask open and closed questions and use active listening techniques to clarify contents of work orders
Numeracy	Apply basic arithmetic functions to complete quality documentation

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPNSY2003 Follow quality procedures in forest nursery production	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>

Assessment Requirements for FWPNSY2003 Follow quality procedures in forest nursery production

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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 the individual has followed forest nursery quality procedures in performing one workplace task.

In undertaking this activity, the individual has:

- visually assessed seedling quality according to workplace procedures, client requirements and industry standards
- accessed and applied workplace information on quality requirements for own work
- monitored and measured seedlings during the growing season and implemented remedial actions as required
- identified and responded to out-of-specification or unacceptable inputs and/or outputs, such as making adjustments within level of responsibility and/or reporting
- maintained quality of own work
- recorded quality data in required format according to workplace procedures
- complied with safety and environmental requirements, including use of personal protective equipment (PPE).

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:

- tree nursery quality policy, procedures and responsibilities
- tree nursery quality requirements:
 - inputs
 - seedlings
 - other outputs
 - processes
 - workplace health and safety

- environmental practices
- client requirements:
 - quality of the plant
 - delivery of the timelines
- determinants of seedling quality:
 - genetic quality of seed used in the nursery
 - physical growth of the seedling
- characteristics of quality tree seedlings:
 - healthy, vigorously growing and free of diseases
 - robust and woody single stem, free of deformities
 - stem is sturdy and has a large root collar diameter
 - crown is symmetrical and dense
 - root system that is free of deformities
 - dense root system with many fine, fibrous hairs with white root tips
 - 'balance' between shoot and root ratio
 - accustomed to short periods without water
 - accustomed to full sunlight
- techniques for visually assessing seedling quality
- sources of advice on quality requirements for own work
- methods and reasons for monitoring and measuring seedlings during the growing season
- remedial actions for responding to out-of-specification seedling
- monitoring, inspection and checking procedures relating to workplace quality requirements
- evidence of out-of-specification or unacceptable performance
- procedures for responding to out-of-specification or unacceptable performance
- responsibilities for reporting and recording quality information
- quality recording requirements.

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:
 - tree seedlings
 - PPE appropriate for work task
- specifications:
 - workplace quality requirements
 - industry standards for tree seedling production

- 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.

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