



Australian Government

FWPNSY3004 Identify, evaluate and mark quality seed trees

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 identify, evaluate, mark and record the position of potential seed trees.

The unit applies to individuals 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 for locating and evaluating seed trees	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 identifying, evaluating and marking seed trees 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, and check for serviceability according to workplace procedures
2. Identify and evaluate proposed seed tree	2.1 Identify the genus, species and location of potential seed trees according to foliage, fruit and flower characteristics 2.2 Verify the provenance of the stand in which the seed trees are located 2.3 Identify the sex of the proposed seed trees and proximity to male specimens 2.4 Identify evaluative criteria used to determine the suitability of the proposed seed trees as timber producers 2.5 Assess potential seed trees according to their suitability as timber producers 2.6 Identify the silvicultural history of the stand in which the potential seed trees are located in relation to the suitability of the trees as seed producers 2.7 Record data on the potential seed trees and the surrounding stand according to workplace procedures
3. Confirm location of seed trees	3.1 Mark and demarcate seed trees within the general stand according to workplace procedures 3.2 Record position of seed tree using hard copy maps/plans, Global Positioning System (GPS) coordinates or digital maps according to workplace procedures 3.3 Report location of seed trees to appropriate person

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 identifying, evaluating and marking seed trees
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 estimate tree dimensions and branch angles

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPNSY3004 Identify, evaluate and mark quality seed trees	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>