



Australian Government

Assessment Requirements for FWPNSY3004 Identify, evaluate and mark quality seed trees

Release: 1

Assessment Requirements for FWPNSY3004 Identify, evaluate and mark quality seed trees

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

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 identified, evaluated, marked and located the position of one seed tree according to work instructions.

In undertaking this activity, the individual has:

- confirmed safety and environmental requirements, including use of personal protective equipment (PPE) for the task
- selected and checked for serviceability tools, equipment and materials
- identified the position, provenance, characteristics and suitability for seed production of one proposed seed tree
- marked and demarcated the seed tree within the general stand according to workplace procedures
- recorded and reported position of the seed tree using hard copy maps/plans, Global Positioning System (GPS) coordinates or digital maps according to workplace procedures.

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:

- species, provenances and stand of seed trees
- evaluation criteria for seed trees:
 - health
 - vigour
 - freedom from pests
 - stem straightness
 - branch size
 - branch angle
 - branching patterns

- spiral grain
- wood density
- stem fluting
- flowering size
- tools and equipment used in seed orchard maintenance
- silvicultural history of stand in which seed tree is located:
 - establishment success
 - pruning practices
 - thinning schedules
- techniques for marking and demarcating seed trees
- techniques for recording position of seed trees:
 - maps
 - plans
 - GPS.

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:
 - stands of trees with potential seed trees
 - tools, equipment, materials and PPE used in identifying, evaluating, marking and locating seed trees
- specifications:
 - work instructions for identifying, evaluating, marking and recording the position of potential seed trees
 - workplace health, safety and environmental policies and procedures applicable to identifying, evaluating and marking seed trees.

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

Links

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