



Australian Government

Assessment Requirements for FWPFGM5215 Breed Trees

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIFGM5215A Breed trees, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.</p> <p>Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement.</p>

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to breeding trees
- plan a tree breeding operation using consultative processes with colleagues and stakeholders to obtain inputs
- ensure efficient and safe processes in tree breeding and that established timelines are met
- implement a tree breeding operation according to a documented plan and budget, and make adjustments to plan or operation
- review and analyse data on breeding operation and use findings to document improvements to future operations
- prepare and present a report on tree breeding outcomes including costs, processes and analysing findings of the breeding operation.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- applicable commonwealth, state or territory legislation, regulations, standards and codes of practice for breeding trees
- environmental protection requirements for breeding trees including:
 - soil disturbance measures
 - retention tree damage
 - fungal hygiene measures
 - identification of habitat trees

- chemical handling and application procedures
- organisational policies and procedures for breeding trees
- tree breeding data collection and analysis methods
- tree breeding characteristics including:
 - growth rate
 - tree form
 - branch angle
 - fibre length
 - fibre orientation
 - extractive content
 - salt tolerance
 - drought tolerance
 - density
- flowering times for target species
- reproduction techniques for target species including:
 - self and cross pollination
 - cuttings
 - grafting
 - layering
 - stolons
 - suckers
 - pollination techniques
- desirable features for selection of breeding stock
- genetic characteristics of target species
- hydrology and hydrological principles
- plant identification and classification skills
- ecology and ecological interactions
- soil types and structure
- authorisations and permits relevant to breeding trees including:
 - permits
 - approvals
 - licences relating to neighbouring properties
- and may relate to:
 - hours of operation
 - use and application of chemicals
 - the environment
- resources required to implement breeding operations
- procedures for recording and reporting workplace records and information.

Assessment Conditions

The following resources must be made available:

- organisational policies and procedures relevant to breeding trees
- selection of trees suitable for breeding operations
- *resources relevant to implementing* breeding operations
- PPE suitable to breed trees

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>