



Australian Government

FWPFGM5215 Breed Trees

Release: 1

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Modification History

Release	Comment
1	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.

Application

This unit of competency describes the outcomes required to improve yield through improved tree breeding. It includes conducting consultative processes and monitoring and analysis of the effectiveness of the breeding.

The unit applies to job roles including Arboriculture Manager, Forest Manager, Forestry Manager, Harvesting Manager, Nursery Manager, Plantation Establishment Manager, Plantation Manager and Production Manager.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Plan tree breeding	1.1 Analyse requirement for tree breeding. 1.2 Review relevant site environmental protection measures, and legislative and regulatory requirements. 1.3 Check timeline and budget for breeding. 1.4 Identify desirable breeding characteristics for the breeding plan 1.5 Select appropriate reproduction techniques to optimise propagation

	of the trees 1.6 Consult and obtain input to inform the breeding plan. 1.7 Develop a documented breeding plan and obtain necessary approvals.
2. Implement breeding operation	2.1 Obtain required resources and authorisations to implement breeding operation. 2.2 Implement emergency treatments and hazard notification procedures. 2.3 Communicate plan and explain roles and responsibilities to the work team. 2.4 Implement breeding plan with reference to budget, schedule, performance indicators and objectives.
3. Monitor tree breeding	3.1 Obtain data about performance at key milestones or established review periods. 3.2 Check that environmental, WHS, organisational and legislative compliance requirements are met and that documentation is accurate and up-to-date. 3.3 Maintain communication with operations supervisor throughout implementation of the plan. 3.4 Amend breeding plan to ensure that specifications, quality and performance targets are meeting planned requirements.
4. Review tree breeding	4.1 Review outcomes against established objectives. 4.2 Determine operational improvements for the future and formulate recommendations. 4.3 Record and report on tree breeding to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Writing skills to:	- develop and document a plan for tree breeding - report on outcomes
Planning and organising skills to:	schedule activities to meet established goals and objectives.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM5215A Breed trees

Links

Companion Volume implementation guides are found in VETNet -

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