



**Australian Government**

# **FWPFGM5212 Manage genetic resources**

**Release: 1**

## FWPFGM5212 Manage genetic resources

### Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM5212A Manage genetic resources, 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 manage the propagation process using sexual and asexual methods and tending nursery plants. It includes the propagation methods of seeding, cuttings, grafting, tissue culture and layering.

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, however reference should be made to the Plant Breeders Rights Act 1994.

### 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 propagation	<p>1.1 Review organisational genetic resources policies and procedures in relation to the propagation and tending planning process.</p> <p>1.2 Select and confirm quantities, timing, provenances, species and desirable characteristics for plants in development.</p> <p>1.3 Document specifications and targets for production quantities, timing, provenances and species.</p>

	1.4 Review site environmental protection measures and relevant legislation and regulations.
2. Implement genetic management plan	<p>2.1 Select method of propagation for the target species.</p> <p>2.2 Obtain permits or licences required for production, collection and management of genetic resources</p> <p>2.3 Direct operational activities including hygiene, propagation, bed preparation and environmental considerations.</p> <p>2.4 Schedule and coordinate people, materials, tools and equipment required for propagation.</p> <p>2.5 Keep nursery staff informed of the plan, propagation methods and tending requirements.</p>
3. Monitor and review genetic resource plan	<p>3.1 Inspect environmental protection measures for propagation, soil and drainage and implement corrections where necessary.</p> <p>3.2 Maintain communications with staff, clients and contractors about progress of propagation.</p> <p>3.3 Review propagation methods and implement corrections where necessary</p> <p>3.4 Record and report on genetic management results, with recommendations for future improvement.</p>

## 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 propagation

Planning and organising skills to:

- schedule activities for propagation
- coordinate the work of staff.

## Range of Conditions

Not Applicable

## Unit Mapping Information

FPIFGM5212A Manage genetic resources

## Links

Companion Volume implementation guides are found in VETNet -

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