



Australian Government

FWPFGM3201 Manage seed collection

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM3201B Manage seed collection, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to plan and monitor the implementation of seed collection or sowing programs. The unit includes collection of native and non-native species.

The unit applies to those who manage seed collection in settings such as: forest environments, farms, agriculture, nurseries and local councils.

The unit applies to Forestry technician, Nursery technician, Supervisor (Forestry operations), Tree planter, Silviculturist, Arboriculture technician

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication, and may differ according to jurisdiction.

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 seed collection	1.1 Analyse seeding and/or planting program and identify seed characteristic requirements. 1.2 Identify seed collection opportunities and determine a suitable area

	for seed collection. 1.3 Select seed collection methods and determine the quantity, cost and impacts on provenances and species. 1.4 Identify the required approvals and seek and obtain from relevant authorities. 1.5 Determine measurable performance indicators, specifications and targets. 1.6 Seed collection plan, costs and performance indicators are clearly documented and communicated to appropriate personnel.
2. Implement and monitor seed collection	2.1 Coordinate and schedule resources required for seed collection. 2.2 Establish and maintain communication with others to ensure safety. 2.3 Implement the seed collection plan. 2.4 Monitor seed collection activities to ensure compliance requirements are adhered to. 2.5 Adjust seed collection activities to meet site conditions and communicate to appropriate personnel.
3. Review seed collection	3.1 Assess and evaluate data from seed collection activity to confirm techniques, methodologies and costs are in line with plan. 3.2 Identify issues and impediments to seed collection activities and program costs. 3.3 Prepare a cost benefit analysis and make recommendations to improve future seed collecting activity. 3.4 Record and report seed collection activity 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.	
Numeracy skills to:	calculate costs of seed collecting activity and simple cost benefit analysis
Oral communication skills to:	- interact with land owners, and internal and external bodies and groups to gain approvals - disseminate information about seed collecting activity to appropriate personnel.
Writing skills to:	prepare a seed collecting plan and report on seed collection activity.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM3201B Manage seed collection.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPFGM3201 Manage seed collection

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM3201B Manage seed collection, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format. 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

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 legal and regulatory requirements, and codes of practice for managing seed collection
- follow organisational policies and procedures for managing seed collection
- develop a plan for seed collection which includes measurable performance indicators, specifications and targets
- coordinate and schedule resources, and manage the work of others to achieve specific outcomes
- monitor seed collection operations, ensuring that activity follows quality standards
- document results from seed collection activities and prepare a report for relevant personnel.

Knowledge Evidence

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

- applicable regulations, standards, codes of practice and established safe practices for managing seed collection
- organisational and site standards, policies and procedures for managing seed collection
- environmental risks and hazards of seed collection
- seed collection methods including:
 - climbing
 - removal of branches with rifle

- elevated platform vehicles
- collecting after falling or felling
- ladders
- shaking
- biological signs that indicate that the seed crop is ready to be collected
- procedures to extract and handle seed from collected material, including handling procedures of the seed crop after picking
- treatment and documentation requirements of extracted seed
- characteristics of seed including:
 - provenance
 - potential growth characteristics
 - forest types
 - optimum time to collect
 - physiology and biology
 - dormancy
 - species
- process for approvals to undertake seed collection
- established communication channels and protocols
- procedures for recording and reporting workplace information.

Assessment Conditions

The following resources must be made available:

- seed collection site
- tools and equipment required to collect seed
- relevant personnel for the purposes of communicating information
- organisational requirements and standards for managing seed collection.

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.

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