



Australian Government

FWPFGM3202 Extract seed

Release: 1

FWPFGM3202 Extract seed

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM3202B Extract seed, 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 extract and process native or non-native seed using an extraction unit. It includes seed storage requirements and extraction unit maintenance.

The unit applies to those who extract seed in a variety of work settings, including forest environment settings such as farms, agriculture, workshops, domestic, nurseries and local councils.

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

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. Prepare for seed extraction	1.1 Review and clarify work order with appropriate personnel. 1.2 Receive and visually assess seed bearing material and ensure species is identified on container label. 1.3 Weigh and label containers with identifiers in line with site

	procedures. 1.4 Store material in dry and well-ventilated conditions.
2. Extract seed	2.1 Plan and check seed extraction processes for safe working conditions 2.2 Select appropriate extraction units and equipment and check for operational effectiveness. 2.3 Operate and monitor seed extraction systems to extract maximum seed yield. 2.4 Inspect seed capsules and reprocess as required to ensure maximum yield.
3. Clean and store seed	3.1 Weigh and store separated seed in line with species requirements and site procedures. 3.2 Accurately record seed information. 3.3 Package seed for storage with label to maintain traceability to collection source.
4. Clean and maintain extraction unit	4.1 Clean, maintain and calibrate extraction units and equipment. 4.2 Dispose of residue and other waste material in line with site environmental management guidelines. 4.3 Report abnormal operation or faults in equipment for corrective action. 4.4 Clean and maintain work areas in line with site procedures, and organisational and environmental requirements. 4.5 Record and report results of seed extraction process.

Foundation Skills

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

- calibrate scales, ensuring compliance with weights and measure authority.
- correctly label seeds
- complete records, reports and maintenance logs.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM3202B Extract seed.

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 FWPFGM3202 Extract seed

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM3202B Extract seed, 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:

- apply safe and efficient techniques to identify, extract, clean and store seed in line with species requirements, work order and organisational guidelines
- operate seed extraction units and equipment including
 - kilns operated by gas, solar energy, oil or electricity
 - sieves of various sizes
 - air-drying racks and trays
 - conveyor belt
- clean, maintain and calibrate seed extraction units and equipment
- record seed species information and extraction results including
 - species name
 - weight
 - place or origin
 - container identifier.

Knowledge Evidence

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

- regulations, standards, codes of practice and established safe practices for extracting seed

- organisational and site standards, policies and procedures for extracting seed
- environmental protection requirements for extracting seed
- the cleaning maintenance and calibration of plant, tools and equipment
- hazards associated with seed extraction, processing and storage
- seed species, including native and non-native
- seed extraction processes
- identification of seed species from capsules
- storage procedures and requirements for different seed species
- procedures for recording and reporting workplace information.

Assessment Conditions

The following resources must be made available:

- manual or automated seed extraction equipment
- material with seed to be extracted
- relevant personnel for the purposes of communicating information
- documents, spreadsheets and commonly used proforma documents
- work order, workplace requirements and site standards for extracting seed.

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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