



Australian Government

Assessment Requirements for FWPFGM2201 Collect seed

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIFGM2201B Collect seed, 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:

- collect seed from plants and planted areas using one or more of the following methods:
 - climbing
 - shaking
 - shooting
 - ground collection
- and one or more of the following separation methods:
 - hand selection
 - wind separation/winnowing
 - sieving
 - vibrating
 - flotation
 - drying
 - husk crumbling
- for each of the above seed collection methods, select, use and perform operator maintenance of appropriate equipment safely and efficiently:
 - ladders
 - pruning and shaking equipment
 - sheets and tarpaulins
 - high-powered rifles

- elevated work platforms
- hand tools
- use packaging and storage techniques for seed collection based on seed type and collection method as listed above:
 - vacuum sealing
 - use of inert atmospheres:
 - nitrogen
 - carbon dioxide.
- treat collected seed for protection against pests using the following methods:
 - heat
 - mechanical
 - chemical
- control each of these environmental factors when packing collected seeds:
 - temperature
 - light
 - moisture
- Identify locations and obtain appropriate approvals for the collection of seeds
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Knowledge Evidence

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

- collection techniques according to health of parent plant:
 - hand picking
 - careful and selective pruning
- common separation methods used to treat and weigh seed:
 - hand selection
 - wind separation/winnowing
 - sieving
 - vibrating
 - flotation
 - drying
 - husk crumbling
- seed species and collection, treatment and packaging processes, including storage requirements for different seed species
- type of information that is recorded for seed collection:
 - time and date of harvest
 - time and date of receipt
 - weight
 - seed origin
- common pests and diseases that infect seed species and visual characteristics

- seed treatment methods for protection against pests:
 - heat
 - mechanical
 - chemical protection against pests.
- packaging and storage techniques for seed collection:
 - vacuum sealing
 - use of inert atmospheres:
 - nitrogen
 - carbon dioxide.
- controls for the packing environment:
 - temperature
 - light
 - moisture
- environmental protection practices for forest environment setting:
 - the safe disposal of waste material
 - returning the environment to its original or near to original condition on completion of activity
 - procedures for minimising environmental impact
- organisational procedures specific to collecting seed:
 - work health and safety with particular emphasis on use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting seed collection information.
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Assessment Conditions

The following resources must be made available:

- clean containers for holding seeds
- vacuum seed collecting machines
- ladders or elevated work platforms
- pruning and shaking equipment
- sheets and tarpaulins
- high-powered rifles according to site requirements
- cherry-pickers or elevated work platforms according to site requirements
- personal protective equipment suitable for seed collection and treatment
- work order with specific instructions for collecting, treating and storing seed
- documents, spreadsheets and commonly used proformas for recording seed collection information
- relevant personnel for the purposes of communicating information
- organisational procedures for collecting 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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Links

Companion Volume implementation guides are found in VETNet -

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