



Australian Government

Assessment Requirements for FWPNSY3002 Extract, clean, store and despatch tree seeds

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has extracted, cleaned, stored and despatched one batch of tree seeds.

In undertaking this activity, the individual has:

- extracted tree seed using appropriate items of equipment selected from:
 - kilns operated by gas, solar energy, oil or electricity
 - sieves of various sizes
 - air-drying racks and trays
 - conveyor belt
 - computer controlled extraction systems
- cleaned, treated and stored one batch of tree seed
- prepared one tree seed sample for viability testing
- despatched one batch of seed in line with seed request specifications
- complied with safety requirements, including use of personal protective equipment (PPE)
- recorded seed processing information and results.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- tree seed species and structure
- tree seed source classes
- methods to treat seed
- methods for testing, packaging and storing tree seed species using:
 - vacuum sealing
 - use of inert atmospheres, including nitrogen and carbon dioxide

- methods for controlling the packing environment, including temperature, light and moisture
- types, operation and maintenance procedures for seed processing equipment, including electric and manual scales, packaging material, seed cleaning machine, seed lot mixing device, lifting equipment
- seed separation methods:
 - hand selection
 - wind separation and winnowing
 - sieving
 - vibrating
 - flotation
 - drying
 - crumbling of husks
 - computer controlled extraction systems
- seed despatch process:
 - seed species
 - seed batching and mixing
 - pure graded seed
 - sowing rate
 - despatch container
 - method of despatch
 - sowing equipment to be used
- methods for recording seed processing information and results and maintaining workplace information
- impact and application procedures of seed treatments, including fungicides and cleaning
- hazards associated with the storage, treatment and despatch of seed
- seed species and treating, packaging and storage processes
- seed treatments and storage requirements for different seed species
- types of diseases and pests likely to infect the species
- workplace procedures for recording and reporting workplace seed information, including:
 - species
 - time and date of harvest
 - time and date of receipt into the store
 - place or origin of seed
 - container identifier
- request specifications, including:
 - seed species
 - percentage of seed mix
 - pure graded seed
 - rate of sown
 - dispatch container

- method of dispatch
- sowing equipment to be used
- appropriate container criteria:
 - length of time seed will be stored
 - method to be used to transport seed
 - equipment to be used for sowing seed
 - quantity of seed
 - size of individual seeds
- methods for viability testing tree seed samples.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest or wood products work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tree seed bearing material
 - workplace location or simulated workplace, required to extract, treat, store and despatch tree seed
 - materials and equipment relevant to tree seed extraction and processing work
 - PPE suitable for work involving the extraction, cleaning, storing and despatching of tree seeds
- specifications:
 - workplace health, safety and environmental policies and procedures applicable to tree seed extraction and processing work.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>