



Australian Government

Assessment Requirements for FWPNSY2001 Collect 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 collected, assessed, cleaned and stored one batch of seeds for one species of tree.

In undertaking this activity, the individual has:

- identified the location and obtained appropriate approvals for the collection of tree seeds
- collected tree seed from plants and planted areas using the appropriate method selected from:
 - climbing
 - shaking
 - shooting
 - ground collection
- used the appropriate separation methods selected from:
 - hand selection
 - wind separation/winnowing
 - sieving
 - vibrating
 - flotation
 - drying
 - husk crumbling
- packaged tree seed for storage using appropriate technique
- treated collected tree seed to prevent deterioration using methods selected from:
 - heat
 - mechanical
 - chemical
- controlled the following environmental factors when packaging collected tree seeds:
 - temperature
 - light

- moisture
- recorded details of tree seed species, weight and place of origin
- complied with workplace safety procedures, including the use of personal protective equipment (PPE).

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:

- 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 treatment and packaging processes, including storage requirements for different seed species
- types of information 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 to prevent deterioration:
 - heat
 - mechanical
 - chemical
- packaging and storage techniques for seed collection:
 - vacuum sealing
 - use of inert atmospheres: nitrogen and 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
- safe use, handling, storage and transport of chemicals
- workplace procedures specific to collecting seed:
 - work health and safety, with particular emphasis on use of PPE and handling hazardous substances
 - communication reporting lines
 - recording and reporting seed collection information.

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:
 - site for tree seed collection, separation, treatment and packaging
 - tools, machinery, equipment and materials for tree seed collection, separation, treatment and packaging
 - PPE suitable for seed collection, separation, treatment and packaging
- specifications:
 - workplace health, safety and environmental policies and procedures applicable to seed collection, separation, treatment and packaging
 - workplace procedures for seed collection, separation, treatment and packaging.

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>