



Australian Government

FWPNSY3002 Extract, clean, store and despatch tree seeds

Release: 1

FWPNSY3002 Extract, clean, store and despatch tree seeds

Modification History

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

Application

This unit of competency describes the skills and knowledge required to extract, clean, store and despatch tree seeds.

The unit applies to individuals who are involved in tree nursery operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Forest Nursery Production (NSY)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for processing tree seeds	1.1 Determine job requirements from work order or instruction, and where required seek clarification from appropriate personnel 1.2 Confirm safety and environmental requirements, including use of personal protective equipment, for the task according to workplace procedures 1.3 Identify, assess and take actions to mitigate risks and hazards associated with extracting, cleaning, storing and despatching tree

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	seeds 1.4 Identify emergency and evacuation procedures to follow in the event of an incident or accident 1.5 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Select tools, equipment and materials, and check for serviceability according to workplace procedures
2. Extract tree seed	2.1 Receive and visually assess seed bearing material, and ensure species is identified on container label 2.2 Weigh and allocate identifiers according to workplace procedures 2.3 Select appropriate extraction units and equipment, and check for operational effectiveness 2.4 Operate and monitor seed extraction systems to extract maximum seed yield 2.5 Inspect seed capsules and reprocess as required to ensure maximum yield 2.6 Clean, maintain and calibrate extraction units and equipment, and report abnormal operation or faults in equipment for corrective action 2.7 Dispose of residue and other waste material according to workplace procedures 2.8 Clean and maintain work areas according to workplace procedures 2.9 Record and report results of seed extraction process
3. Clean, treat and store tree seed	3.1 Separate seeds from other materials, weigh and store according to workplace procedures 3.2 Treat seeds to prevent deterioration according to seed species and workplace procedures 3.3 Record seed information onto inventory system accurately according to workplace procedures 3.4 Package seed for storage according to workplace procedures
4. Prepare tree seed sample for viability testing	4.1 Identify and check seed sample for testing according to work order 4.2 Remove seed sample from lot and prepare for testing according to workplace procedures 4.3 Clearly label and package representative seed sample for despatch

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	to testing body according to workplace procedures 4.4 Record seed sample information onto inventory system accurately according to workplace procedures
5. Despatch tree seed	5.1 Interpret and check seed request specifications with appropriate personnel 5.2 Retrieve seed from storage, and calculate quantities and species of seed to meet request specifications 5.3 Weigh, document and place each seed species in an appropriate container in line with request requirements and workplace procedures 5.4 Mix multiple seed lots thoroughly, as required in line with request specifications 5.5 Label seed and seed mixtures according to workplace procedures 5.6 Organise and undertake despatch of seed in line with request specifications and workplace procedures 5.7 Record seed processing results onto inventory system according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Read and follow information on equipment and in workplace procedure manuals on safety and environmental requirements when processing seed - Interpret instructions combining written and pictorial information on equipment or in operational manuals
Writing	Complete seed records and labels accurately and legibly using correct technical and enterprise specific vocabulary
Oral communication	Ask open and closed questions and use active listening techniques to clarify contents of work orders
Numeracy	- Calculate seed weight and quantity using scales - Identify and calculate percentages in specifications for seed mix

Skill	Description
	- Estimate impact of time on storage of seed - Estimate time to complete work tasks when processing seed - Undertake numerical calculations on seed processing equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPNSY3002 Extract, clean, store and despatch tree seeds	FWPFGM2213 Process seed	Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection, and FWPFGM3202 Extract seed	Not equivalent
FWPNSY3002 Extract, clean, store and despatch tree seeds	FWPFGM3201 Manage seed collection	Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection, and FWPFGM3202 Extract seed	Not equivalent
FWPNSY3002 Extract, clean, store and despatch tree seeds	FWPFGM3202 Extract seed	Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection, and FWPFGM3202 Extract seed	Not equivalent

Links

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