



Australian Government

FWPNSY3008 Operate automated seed sowing line for containerised forest seedling production

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to operate a seed sowing line as part of containerised forest seedling production.

The unit applies to individuals who operate seed sowing lines in commercial tree production nurseries.

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 work	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 and machine guards, for the task according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated with working with tree seed sowing line 1.4 Consult with team members to ensure that seed sowing line operations are coordinated effectively 1.5 Select correct seed species, quantity, size and grade, media and type and number of trays/containers according to job requirements 1.6 Apply seed treatment according to workplace and client requirements 1.7 Confirm production capacity and full range of functions of seed sowing lines
2. Set up tree seed sowing line	2.1 Check existence and serviceability of safety equipment, including emergency stops, gauges, guards and controls 2.2 Identify service points on seed sowing line and grease nipples on bearings prior to operation according to manufacturer instructions 2.3 Select seed sowing line program from control panel and make adjustments according to job requirements and manufacturer instructions 2.4 Load seed, media and containers according to manufacturer instructions and production requirements 2.5 Conduct trial runs to check seed sowing line operation, accuracy, alignment and that finished product meets quality requirements 2.6 Make necessary adjustments to seed sowing line settings based on outcomes of trial runs
3. Operate tree seed sowing equipment	3.1 Complete seed sowing line start-up procedure according to manufacturer instructions 3.2 Operate seed sowing line according to designed capacity, purpose and manufacturer recommendations 3.3 Monitor seed sowing line operation to ensure product quality and output 3.4 Minimise waste according to workplace and environmental protection procedures 3.5 Identify problems with the required work and/or the operation of the seed sowing line, and rectify or report to appropriate persons 3.6 Shut seed sowing line down according to workplace procedures 3.7 Record production outcomes and equipment faults or malfunctions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and corrective actions taken according to workplace procedures
4. Maintain seed sowing equipment	4.1 Perform routine maintenance according to purpose and manufacturer recommendations 4.2 Tag and report faulty and/or defective equipment 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	Interpret complex written, technical information in operating manuals to confirm equipment operations and perform troubleshooting
Writing	Complete routine workplace records related to equipment faults and product quality
Oral communication	Use active listening and questioning techniques to convey and clarify information
Numeracy	Perform routine calculations related to time, dimensions, production capacity, volume and number

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPNSY3008 Operate automated seed sowing line for containerised forest seedling production	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	Newly created

Links

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