



Australian Government

FWPNSY3007 Operate automated topping system as part of tree production nursery operations

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 an automated topping system as part of tree production nursery operations.

The unit applies to individuals who operate automated topping systems as part of tree production 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 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 automated topping system 1.4 Consult with team members to ensure that automated topping system operations are coordinated effectively 1.5 Select seedlings to be trimmed according to job requirements 1.6 Confirm production capacity and full range of functions of automated topping system
2. Set up topping system	2.1 Check existence and serviceability of safety equipment, including emergency stops, gauges, guards and controls 2.2 Select topping system program and make adjustments according to job requirements and manufacturer instructions 2.3 Load and/or position seedlings according to manufacturer instructions and production requirements 2.4 Conduct trial runs to check topping operation, accuracy, alignment and that finished product meets quality requirements 2.5 Make necessary adjustments to topping system settings based on outcomes of trial runs
3. Operate topping system	3.1 Complete automated topping system start-up procedure according to manufacturer instructions 3.2 Operate automated topping system according to designed capacity, purpose and manufacturer recommendations 3.3 Monitor topping system operation to ensure product quality and output 3.4 Minimise waste according to workplace and environmental protection procedures 3.5 Recycle, reuse or dispose of cuttings according to workplace procedures 3.6 Identify problems with the required work and/or the operation of the automated topping system, and rectify or report to appropriate persons 3.7 Shut topping system down according to workplace procedures 3.8 Record production outcomes and equipment faults or malfunctions and corrective actions taken according to workplace procedures
4. Maintain topping	4.1 Perform routine maintenance according to purpose and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
equipment	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
FWPNSY3007 Operate automated topping system as part of tree production nursery operations	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>