



Australian Government

FWPFOM5007 Contribute to and implement a silviculture regime for a plantation

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 select a silviculture regime consistent with plantation management objectives, and contribute to the planning, implementation and monitoring of a silviculture regime for a plantation.

The unit applies to individuals who undertake forester or forestry field officer job roles in the forest industry.

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 Operations Management (FOM)

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. Select silviculture regime consistent with plantation management objectives	1.1 Confirm plantation management objectives 1.2 Access sources of information required for making decisions on the choice of plantation silviculture regime 1.3 Identify silviculture regime to achieve plantation management

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	objectives
2. Plan plantation silviculture operations	2.1 Plan harvesting prescriptions consistent with plantation management objectives 2.2 Plan site establishment and planting prescriptions consistent with plantation management objectives 2.3 Plan spacing and thinning after establishment to manage competition between trees 2.4 Plan tending and pruning prescriptions consistent with plantation management objectives 2.5 Plan for control of perennial and annual weeds to achieve high survival, good growth rates and plantation access 2.6 Plan browsing controls consistent with plantation management objectives 2.7 Prepare guidelines for use of herbicides, pesticides and fertilisers in plantation management 2.8 Plan crop protection measures consistent with plantation management objectives 2.9 Plan surveys for post-harvest monitoring 2.10 Establish schedule for plantation silviculture activities according to workplace procedures 2.11 Calculate cost of plantation silviculture operations according to workplace procedures
3. Coordinate implementation of plantation silviculture operations	3.1 Coordinate implementation of silviculture operations 3.2 Monitor staff and contractor compliance with prescriptions for silviculture operations 3.3 Identify and resolve incidents of non-compliances within scope of responsibility and workplace procedures 3.4 Report on implementation of silviculture operations to appropriate personnel
4. Monitor effectiveness of plantation silviculture operations	4.1 Implement monitoring procedures, including survival assessments, for assessing effectiveness of silviculture operations 4.2 Analyse outcomes of surveys and reports on effectiveness of silviculture operations 4.3 Identify, plan and coordinate implementation of remedial

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	treatments as required 4.4 Document outcomes of silviculture operations and report to appropriate personnel

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 source documents related to silviculture operations
Writing	Design, develop and revise strategic documents appropriate to audience and context
Oral communication	Use active listening and questioning techniques to convey and clarify information
Numeracy	Analyse and compare complex statistical information related to silviculture operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5007 Contribute to and implement a silviculture regime for a plantation	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>