

**Modification history**

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

FWPCOT3XXX	Test wood chips quality
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to test wood chips for quality and contamination and to report on the outcomes for downstream processing.</p> <p>The unit applies to individuals who test wood chips in wood processing work environments.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Sawmilling and Processing (SAW)

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 testing wood chips	1.1 Determine job requirements and wood chip specifications from work order, instructions and/or production schedules 1.2 Confirm workplace safety and environmental requirements for the task, including use of personal protective equipment 1.3 Identify, assess and take actions to mitigate hazards and associated risks with testing wood chips 1.4 Select moisture meters and testing equipment and check for operational effectiveness
2. Collect wood chip samples	2.1 Collect wood chip samples from designated locations and ensure they are kept free from mixing and contamination 2.2 Complete sampling records
3. Test wood chips and report outcomes	3.1 Test wood chip samples for moisture content, size distribution, shape and contamination 3.2 Apply procedures for ensuring the accuracy of testing equipment 3.3 Report test results to production personnel to facilitate process control or changes 3.4 Package, label and store residual wood chip samples and file test reports 3.5 Record and report testing process and equipment faults.

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Read routine workplace documents relevant to testing wood chips for quality</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete routine records for wood chip testing operation</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Ask open and closed probe questions and actively listen to clarify contents of work orders.</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Identify quantities of required material for sampling</li> <li>Estimate sizes and quantities of wood chips.</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPCOT3XXX Test wood chips quality	FWPSAW3223 Assess wood chips	New unit title; Revised Elements and new Performance Criteria and Knowledge Evidence; Revised Foundation Skills, Performance Evidence, and Assessment Conditions	Not equivalent

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

<b>TITLE</b>	<b>Assessment requirements for FWPCOT3XXX Test wood chips quality</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that, for one production cycle, the individual has tested wood chips for each of the following quality criteria according to prescribed workplace requirements:</p> <ul style="list-style-type: none"> <li>• size distribution</li> <li>• shape</li> <li>• moisture content</li> <li>• contamination.</li> </ul> <p>In performing this task, the individual has:</p> <ul style="list-style-type: none"> <li>• identified and obtained appropriate type and quantity of wood chips for sampling</li> <li>• used and checked accuracy of testing equipment</li> <li>• produced and reported test results to appropriate personnel for downstream processing.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• safe work practices associated with testing and reporting wood chip quality</li> <li>• environmental protection requirements for the safe disposal of waste or contaminated wood chips</li> <li>• hazards associated with testing wood chips for quality</li> <li>• workplace standards, requirements, policies and procedures for testing wood chips</li> <li>• types and production characteristics of wood chips</li> <li>• types of wood chip test and reasons for testing: <ul style="list-style-type: none"> <li>• size distribution</li> <li>• moisture content</li> <li>• contamination and bark content</li> </ul> </li> <li>• wood chip sampling and testing techniques</li> <li>• procedures for ensuring the accuracy of testing equipment: <ul style="list-style-type: none"> <li>• calibration</li> <li>• repeatability</li> <li>• check weights</li> </ul> </li> <li>• types and causes of contamination of woodchips: <ul style="list-style-type: none"> <li>• disease</li> <li>• infestation</li> <li>• rot</li> <li>• paint</li> <li>• plastic</li> <li>• bark</li> <li>• charcoal</li> <li>• rock</li> <li>• metal</li> </ul> </li> <li>• workplace storage systems and labelling for wood chip samples</li> <li>• wood chip testing equipment and its safe use, operation and maintenance</li> <li>• workplace procedures for recording and reporting wood chip testing information.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• equipment for testing wood chips</li> </ul> </li> </ul>	

Assessment Conditions	
<ul style="list-style-type: none"><li>• a selection of wood chips</li><li>• specifications:<ul style="list-style-type: none"><li>• workplace procedures for testing wood chips</li><li>• workplace health and safety and environment protection policies and procedures applicable to testing wood chips.</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>

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