

Title	Identify and report insect damage and fungal contamination on logs and sawn timber batches		
Level	3	Credits	3

Purpose	<p>This unit standard is intended for people working in areas that prepare logs or sawn timber for despatch to local markets or for export.</p> <p>People credited with this unit standard are able to: identify insects that attack logs and sawn timber, demonstrate knowledge of wood fungi on logs and sawn timber, and report on insect damage and fungal contamination on logs and sawn timber batches.</p>
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Classification	Wood Handling and Distribution > Timber Yarding
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Available grade	Achieved
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Guidance Information

- 1 Reference
AsureQuality Ltd; *Common Insects & Fungi that affect Logs & Sawn Timber in New Zealand* (2007). Available from AsureQuality at <https://www.asurequality.com/our-industries/forestry-and-timber/common-insects-and-fungi-in-forestry-booklet/>.
- 2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider wood handling and distribution industry as examples of best practice.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood handling and distribution sector.
- 3 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Identify insects that attack logs and sawn timber.

Performance criteria

1.1 Bark boring insects are identified.

Range Burnt Pine Longhorn, Hylastes, Hylurgus.

1.2 Wood boring insects are identified.

Range may include but is not limited to – Huhu, Pachycotes, Sirex, Pinhole Borer, New Zealand Drywood Termite, New Zealand Wetwood Termite, Longnosed Kauri Weevil, Pit Weevil; evidence of three insects is required.

1.3 Signs of wood damage are identified.

Outcome 2

Demonstrate knowledge of wood fungi on logs and sawn timber.

Range includes but is not limited to –mould fungi, decay fungi, sapstain fungi.

Performance criteria

2.1 Conditions required for the successful establishment of fungi on wood are described.

Range moisture content, temperature, oxygen, food source.

2.2 Fungi which attack logs and sawn timber are identified.

2.3 The effect of fungi attack on the structure of wood is described.

2.4 The major differences between attack by moulds, stains, and decay fungi are described.

2.5 The effects of sapstain on the end use of logs and sawn timber are described.

Outcome 3

Report on insect damage and fungal contamination on logs and sawn timber batches.

Performance criteria

3.1 Logs and sawn timber batches are checked for insect damage and fungal contamination.

3.2 All insect damage and fungal contamination are reported.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 May 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this assessment standard.