

Title	Identify a range of conifers, exotic trees and native trees, and research and evaluate trees found in arboriculture		
Level	5	Credits	6

Purpose	People credited with this unit standard are able to: identify a range of trees commonly found in New Zealand arboriculture; verbally communicate the botanical names of trees; and research a range of trees found in New Zealand locations and evaluate their suitability for locations
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Classification	Horticulture > Arboriculture
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Available grade	Achieved
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Guidance Information

1 Definitions

Arboriculture cultural requirements – aspects of tree requirements that would be impacted by environmental variation. These would include aspects such as how frost tender the species is, soil tolerances, and climatic requirements.

Unique identifier – a personal identifying object in the photograph that is used to confirm that the learner took the photograph themselves.

2 Trees selected for presentation for Outcome 1 and 2 must not include those already assessed in another credited unit standard for identifying, photographing, labelling and presenting trees commonly found in New Zealand arboriculture situations.

3 For the purposes of assessment:

- evidence must be presented in accordance with the following references which include but are not limited to:
 - International Association for Plant Taxonomy, *International Code of Nomenclature (ICN) for algae, fungi, and plants* (2011), available from www.iapt-taxon.org;
 - International Society for Horticultural Science, *International Code of Nomenclature for Cultivated Plants (ICNCP)* (2016), available from www.ishs.org; and any subsequent amendments.

Outcomes and performance criteria

Outcome 1

Identify a range of trees commonly found in New Zealand arboriculture.

Range evidence of at least 30 different trees including at least 10 different exotic conifers, 10 different exotic broadleaf trees, and 10 different native trees is required.

Performance criteria

1.1 Identify and photograph or obtain photographs of tree specimens to show form, flower or reproductive organs, seed, leaf, and bark of tree.

Range each tree must include a unique identifier for at least one of – form, flower or reproductive organs, seed, leaf, bark.

1.2 Research tree details in terms of their identifying features and uses.

Range botanical name, family name, common name, arboriculture cultural requirements;
identifying features may include but are not limited to – deciduous or evergreen, native or exotic, leaves – simple or compound;
leaves – shape, colour, arrangement; special features, such as bark, significant flowers or reproductive organs, fruiting characteristics, seed; tree – shape or form, size, growth rate; location;
evidence of five identifying features is required.
uses may include but are not limited to – street trees, small garden, shelter belts, woodlot, erosion control, parkland, production, climate control.

Outcome 2

Verbally communicate the botanical names of trees.

Range evidence of at least 30 different trees including at least 10 different exotic conifers, 10 different exotic broadleaf trees, and 10 different native trees is required.

Performance criteria

2.1 Verbally communicate botanical names of trees using those commonly used by arboriculture or botanical experts.

Outcome 3

Research a range of trees found in New Zealand locations and evaluate their suitability for locations.

Range three of – street trees, park trees, small garden trees, coastal trees; evidence of three trees from each category selected above is required.

Performance criteria

- 3.1 Research tree specimens in terms of their arboriculture cultural requirements.
- 3.2 Evaluate the suitability of tree specimens in their current location to determine the likelihood of long term survival in that location.
- 3.3 Recommend suitable locations for tree specimens according to species requirements.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 October 2021	N/A

Consent and Moderation Requirements (CMR) reference	0032
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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 the Primary Industry Training Organisation at standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.