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| <b>Title</b> | <b>Demonstrate knowledge of basic plant nomenclature, and identify trees used in arboriculture</b> |                |          |
| <b>Level</b> | <b>3</b>   | <b>Credits</b> | <b>6</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: use correct botanical nomenclature for naming trees; identify tree leaves using a leaf key; identify, photograph or press, label and present trees commonly found in New Zealand arboriculture situations; and verbally communicate the botanical names of trees commonly found in New Zealand arboriculture situations. |
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| <b>Classification</b> | Horticulture > Arboriculture |
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| <b>Available grade</b> | Achieved |
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## Guidance Information

- 1 References relevant to this standard 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](http://www.iapt-taxon.org);
  - International Society for Horticultural Science, *International Code of Nomenclature for Cultivated Plants (ICNCP)* (2016), available from [www.ishs.org](http://www.ishs.org); and any subsequent amendments.
- 2 Definition
 

*Leaf key* – a tool used by arborists and others to identify the names of individual tree species from its leaf, without reference to any other identifying information. The leaf key used to achieve this unit standard needs to be published by a reputable source and relevant to the New Zealand context.
- 3 For the purposes of assessment of Outcome 3 a *unique identifier* is a personal identifying object in the photograph that is used to determine that the individual actually took the photograph themselves.

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## Outcomes and performance criteria

### Outcome 1

Use correct botanical nomenclature for naming trees.

Range evidence of at least fifteen trees is required.

**Performance criteria**

1.1 Name trees correctly.

Range naming includes but is not limited to – generic name, specific or species name, subspecies, Māori name, cultivar, synonym, varieties, hybrid (interspecific or intergeneric); any other significant nomenclature that applies.

1.2 Write plant nomenclature according to the International Code of Nomenclature.

**Outcome 2**

Identify tree leaves using a leaf key.

Range evidence is required for at least three different tree species.

**Performance criteria**

2.1 Identify trees and describe how identification was achieved through the process of using a leaf key.

Range identification – botanical and common name;  
process – leaf shape, leaf arrangement, leaf margin.

**Outcome 3**

Identify, photograph or press, label and present trees commonly found in New Zealand arboriculture situations.

Range evidence of at least thirty trees is required.

**Performance criteria**

3.1 Identify and photograph or press tree specimens to show form and shape of tree.

Range include unique identifier.

3.2 Label and present each photograph or pressed tree specimens with identifying features stated.

Range botanical name, common name, identifying features;  
identifying features 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, fruiting characteristics; tree – shape or form, size, growth rate.

**Outcome 4**

Verbally communicate the botanical names of trees commonly found in New Zealand arboriculture situations.

Range evidence of at least five trees is required.

**Performance criteria**

4.1 Verbally communicate scientific names for trees according to current references.

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| <b>Replacement information</b> | This unit standard and unit standard 31190 replaced unit standard 17150. |
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| <b>Planned review date</b> | 31 December 2025 |
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**Status information and last date for assessment for superseded versions**

| Process      | Version | Date          | Last Date for Assessment |
|--------------|---------|---------------|--------------------------|
| Registration | 1       | 26 April 2018 | 31 December 2023         |
| Review       | 2       | 25 March 2021 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 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 ITO [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.