

<b>Title</b>	<b>Demonstrate knowledge of plant classification in horticulture</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the features of plant families in horticulture; and identify plants in horticulture by family characteristics, botanical description, and plant classification keys.
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<b>Classification</b>	Horticulture > Production Horticulture
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<b>Available grade</b>	Achieved
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### Guidance Information

None.

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### Outcomes and performance criteria

#### Outcome 1

Describe the features of plant families in horticulture.

Range evidence of ten of the following families is required – Asteraceae, Fabaceae, Rosaceae, Myrtaceae, Proteaceae, Lamiaceae, Scrophulariaceae, Orchidaceae, Poaceae, Ranunculaceae, Ericaceae, Amaryllidaceae, Cupressaceae, Brassicaceae, Taxadiaceae, Fogaceae, Solanaceae, Pinaceae, Liliaceae, Magnoliaceae.

#### Performance criteria

1.1 Describe each family in terms of the vegetative characteristics.

Range leaf shapes, leaf arrangements, root characteristics, shoot characteristics.

1.2 Describe each family in terms of flower and fruit characteristics.

Range flower structures, inflorescence structures, floral formulas, fruit structures.

**Outcome 2**

Identify plants in horticulture by family characteristics, botanical description, and plant classification keys.

Range evidence of one flowering plant, and one New Zealand native plant family is required.

**Performance criteria**

2.1 Identify plants in horticulture in terms of plant family characteristics.

Range vegetative, flower, fruit.

2.2 Identify plants in horticulture by plant classification keys in the New Zealand context.

Range evidence of two relevant plant classification keys is required.

2.3 Identify plants by botanical descriptions.

<b>Planned review date</b>	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**Status information and last date for assessment for superseded versions**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	20 March 1995	31 December 2021
Revision	2	28 July 1999	31 December 2021
Revision	3	13 February 2002	31 December 2021
Revision	4	24 February 2006	31 December 2021
Review	5	18 May 2017	31 December 2024
Review	6	24 February 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0052
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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 Muka Tangata - People, Food, and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.