

<b>Title</b>	<b>Describe the functions of greenhouse environmental control methods for optimising plant growth</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to describe the functions of greenhouse environmental control methods for optimising plant growth.
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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

Examples of environmental controls used in the greenhouse may include – manual vents, automatic vents, automatic misting equipment, irrigation system, fans and humidifiers, heaters, thermometers, heated beds, carbon dioxide enrichment equipment, whitewash on sheathing, sliding covers, supplementary lighting.

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### Outcomes and performance criteria

#### Outcome 1

Describe the functions of greenhouse environmental control methods for optimising plant growth.

#### Performance criteria

- 1.1 Describe environmental control in terms of the methods of controlling cooling.
- 1.2 Describe environmental control in terms of methods of controlling the heating or retaining heat.
- 1.3 Describe environmental control in terms of the equipment and methods used to increase carbon dioxide levels.
- 1.4 Describe environmental control in terms of the equipment and methods used to modify the humidity.
- 1.5 Describe environmental control in terms of the equipment and methods used to modify day length.
- 1.6 Describe environmental control in terms of the equipment and methods used to irrigate plants.

- 1.7 Describe environmental control in terms of the equipment and methods used to control light levels.

<b>Replacement information</b>	This unit standard replaced unit standard 794.
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<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#### Status information and last date for assessment for superseded versions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	19 January 2017	31 December 2024
Review	2	27 January 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.