

Title	Demonstrate knowledge of greenhouse environmental control systems to maintain optimal conditions for plant growth		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to demonstrate knowledge of greenhouse environmental control systems to maintain optimal conditions for plant growth.
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Classification	Horticulture > Production Horticulture
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Learners may report on monitoring and maintenance of environmental control systems carried out by workplace specialists.
- 3 Evidence must be gathered in a commercial horticulture context.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of greenhouse environmental control systems to maintain optimal conditions for plant growth.

Performance criteria

- 1.1 Describe the environmental requirements for a greenhouse crop in terms of optimal plant growth.
- 1.2 Describe the effects of environmental control methods in terms of crop production and quality.

Range evidence of four methods, including lighting is required.
- 1.3 Describe a workplace environmental control system in terms of maintaining optimal conditions for plant growth.
- 1.4 Describe a system for monitoring an environmental control system in terms of maintaining optimal conditions for plant growth.

- 1.5 Report on the monitoring, operator decisions, and maintenance of a greenhouse environmental control system in terms of maintaining optimal conditions for plant growth.

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Status information and last date for assessment for superseded versions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	16 February 2017	31 December 2024
Review	2	27 January 2022	N/A

Consent and Moderation Requirements (CMR) reference	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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.