

Title	Maintain a hydroponic system and monitor plants in the system		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: maintain a hydroponic system and describe composition of nutrient solutions and techniques to minimise plant damage; and monitor plants in a hydroponic system.
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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;
 - Local regional and territorial authority regulatory requirements; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with workplace procedures.
- 3 Definitions
 The *hydroponic system* may include plants grown in a nutrient film technique system or grown in an inorganic substrate (coco slabs, pumice, sawdust, perlite/vermiculite or rockwool).
Workplace procedures refers to policies and procedures on safety, operation, and production set down by the employer or host organisation for maintaining a hydroponic system and plants in the system.

Outcomes and performance criteria

Outcome 1

Maintain a hydroponic system and describe composition of nutrient solutions and techniques to minimise plant damage.

Performance criteria

- 1.1 Carry out daily routine checks of the hydroponic system and report findings.
- 1.2 Describe the composition of nutrient solutions.
- 1.3 Monitor nutrient levels and record data.

- 1.4 Describe techniques to minimise plant damage in the event of pump failure.

Outcome 2

Monitor plants in a hydroponic system.

Performance criteria

- 2.1 Monitor root and foliage development of plants.
- 2.2 Identify and report plants that are diseased or unhealthy.

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Status information and last date for assessment for superseded versions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	25 July 2006	31 December 2021
Review	2	19 January 2017	31 December 2024
Review	3	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 the 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.