

Title	Describe irrigation filters, and repair and maintain an irrigation system used in horticulture		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: describe irrigation filters; repair a leaking or broken irrigation pipe; carry out pre- season maintenance of an irrigation system; and maintain an irrigation 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; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with workplace procedures.
- 3 Definition
Workplace procedures refer to policies and procedures on safety, operation, and production set down by the employer or host organisation.

Outcomes and performance criteria

Outcome 1

Describe irrigation filters.

Range at least two types of filters used in the workplace.

Performance criteria

- 1.1 Describe irrigation filters in terms of their working principles and maintenance requirements.

Outcome 2

Repair a leaking or broken irrigation pipe.

Range at least two types of irrigation pipe materials.

Performance criteria

- 2.1 Repair the damaged pipe with correct replacement equipment.
- 2.2 Seal leaks without water or pressure loss.
- 2.3 Restore pipe to its original position.

Outcome 3

Carry out pre-season maintenance of an irrigation system.

Performance criteria

- 3.1 Check and clean components of an irrigation system.
- 3.2 Flush the irrigation system.
- 3.3 Replace any damaged irrigation components.

Outcome 4

Maintain an irrigation system.

Performance criteria

- 4.1 Inspect the irrigation system daily and identify and report to supervisor any blocked emitters and leaks.
- 4.2 Maintain a diary of maintenance work carried out.
- 4.3 Maintain irrigation components ensuring no leak or pressure variation.
- 4.4 Measure and record output from an emitter or per unit area.

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Status information and last date for assessment for superseded versions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 May 2021	N/A
Revision	4	25 November 2021	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.