

Title	Describe, prepare, and apply liquid fertilisers used in organic horticulture		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: describe liquid fertilisers used in organic horticulture; and prepare and apply liquid fertilisers.
----------------	--

Classification	Horticulture > Production Horticulture
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Hazardous Substances and New Organisms Act 1996;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with workplace procedures.
- 3 Standards relevant to this unit standard include but are not limited to:
 - Demeter Standards www.biodynamic.org.nz;
 - BIO-GRO Standards www.bio-gro.co.nz;
 - Agriquality Organic Standards www.agriquality.co.nz;
 - Soil and Health Association of New Zealand www.organicnz.org;
 - New Zealand Food Safety Authority www.nzfsa.govt.nz/organics;
 - NZS 8410:2003 Organic production www.standards.co.nz.
- 4 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 liquid fertilisers used in organic horticulture.

Performance criteria

- 1.1 Describe liquid fertilisers used in organic horticulture in terms of types.
- Range types include but are not limited to – compost tea, plant material based, animal material based.
- 1.2 Describe liquid fertilisers used in organic horticulture in terms of ingredients suitable for use.
- Range ingredients include but are not limited to – plant matter, animal matter, additives.
- 1.3 Describe liquid fertilisers used in organic horticulture in terms of the requirements for product storage and use of organic liquid fertilisers.
- Range requirements include but are not limited to – stability, pH, biologically active, pathogens.
- 1.4 Describe liquid fertilisers used in organic horticulture in terms of methods of application.
- Range methods include but are not limited to – foliar application, fertigation, coverage, sticking and spreading.
- 1.5 Describe liquid fertilisers in organic horticulture in terms of the benefits of using them.
- Range evidence of two benefits is required.

Outcome 2

Prepare and apply liquid fertilisers for use in organic horticulture.

Performance criteria

- 2.1 Prepare liquid fertilisers in accordance with selected method.
- Range methods may include but are not limited to – compost tea, plant material based, animal material based; evidence of two methods is required.
- 2.2 Apply liquid fertilisers to selected crops using dilution and appropriate equipment for the conditions.

Planned review date	31 December 2026
----------------------------	------------------

Last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2006	31 December 2023
Review	2	24 February 2022	N/A

Consent and Moderation Requirements (CMR) reference

0052

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.