

Title	Describe the development of organic horticulture		
Level	2	Credits	10

Purpose	People credited with this unit standard are able to describe: the basic relationships and characteristics of an organic system; the development of modern organic horticulture; the philosophies of scholars credited with the development of the modern organic horticulture movement; the principles of a range of organic approaches; and the roles of key organisations that have an influence on organic horticulture
----------------	--

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

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

Guidance Information

Standards relevant to this unit standard include but are not limited to:

- Demeter Standards www.biodynamic.org.nz;
- BIO-GRO Standards www.biogro.co.nz;
- Agriquality Organic Standards www.agriquality.co.nz;
- Soil and Health Association of New Zealand www.organicnz.org.nz;
- New Zealand Food Safety Authority www.nzfsa.govt.nz/organics;
- NZS 8410:2003 *Organic production* www.standards.co.nz.

Outcomes and performance criteria

Outcome 1

Describe the basic relationships and characteristics of an organic system.

Performance criteria

- 1.1 Describe the importance of inter-relationships of an organic system in terms of the holistic philosophy applied in organic horticulture.

Range inter-relationships include but are not limited to – between organisms and their environment, between different life forms.

- 1.2 Describe key characteristics of organic horticulture in terms of an integrated production system.
- Range characteristics include but are limited to – matter and recycling, sustainability, biologically diverse, stable, integrated pest and disease management.
- 1.3 Describe the application of these relationships and characteristics in terms of a successful integrated production system.

Outcome 2

Describe the development of modern organic horticulture.

Performance criteria

- 2.1 Describe the development of modern organic horticulture in terms of domestication of crops, industrialisation of horticulture, and identification of need for restorative and sustainable production methods.
- 2.2 Describe concepts of organic farming in terms of the role of certification.
- Range concepts include but are not limited to – sustainability, biological farming, independent verification of production methods, conservation of resources, social responsibility.
- 2.3 Describe concepts of food safety in terms of organic horticulture.
- Range concepts include but are not limited to – food production, processing, environmental contamination, microbiology, waste streams, traceability.

Outcome 3

Describe the philosophies of different scholars credited with the development of the modern organic horticulture movement.

Performance criteria

- 3.1 Describe the philosophies of different scholars in terms of their influence on the development of organic horticulture.
- Range scholars may include but are not limited to – J.I. Rodale, Masanobu Fukuoka, Albert Howard, Rudolf Steiner; evidence of two scholars is required.

Outcome 4

Describe the principles of a range of organic approaches.

Performance criteria

- 4.1 Describe the principles of organic approaches in terms of organic horticulture.
- Range organic approaches include but are not limited to – Permaculture, Biodynamics, Nature Farming, Soil Food Web.
- 4.2 Describe ways in which organic approaches support the principles of organic horticulture.
- Range evidence of two organic approaches is required.

Outcome 5

Describe the roles of key organisations that have an influence on organic horticulture.

Performance criteria

- 5.1 Describe the role of organisations internationally in terms of their importance to organic horticulture.
- 5.2 Describe the roles that organisations have played in terms of developing the New Zealand organic horticulture industry.

Replacement information	This unit standard replaced unit standard 10321 and unit standard 10327.
--------------------------------	--

Planned review date	31 December 2027
----------------------------	------------------

Last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2006	31 December 2023
Review	2	30 June 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.