

<b>Title</b>	<b>Investigate a horticulture crop management technique, develop a plan, and manage its implementation and review</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: investigate and select horticulture crop management techniques that optimise crop production; develop a plan to optimise horticulture crop production from the selected crop management technique; monitor the implementation of a plan for a horticulture crop management technique, and manage variations to the plan; and review the plan and make recommendations for improvement.
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<b>Classification</b>	Horticulture > Production Horticulture
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<b>Available grade</b>	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 The regional and territorial authorities throughout New Zealand may have differing regulatory requirements. Any plan developed in Outcome 2 must comply with regional or territorial regulatory requirements.
- 4 Definitions
 

*Goals* are statements which provide direction and purpose to an enterprise. Goals must be specific, measureable, attainable, realistic, and time based.

*Objectives* may be statements which are specific targets within the goals.

*Plan* refers to a document detailing steps for an aspect of the production. It must be consistent with the regulatory requirements and quality standards of the target customer and with health and safety legislation.

*Workplace procedures* refer to verbal or written instructions to staff on procedures for implementing and monitoring crop plant management techniques. Workplace procedures must comply with health and safety legislation and be consistent with the workplace health and safety plan.

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## Outcomes and performance criteria

### Outcome 1

Investigate and select horticulture crop management techniques that optimise crop production.

#### Performance criteria

- 1.1 Identify crop production goals.
- 1.2 Research a range of potential horticulture crop management techniques that optimise crop production.
- 1.3 Select a suitable crop management technique to investigate that it is cost effective, achievable, and optimises production goals.

### Outcome 2

Develop a plan to optimise horticulture crop production from the selected crop management technique.

#### Performance criteria

- 2.1 Identify goals and objectives for the selected crop management technique.
- 2.2 Identify procedures to monitor the crop management technique against the achievement of goals and objectives.
- 2.3 Identify appropriate resources required, and plan for their readiness and availability for the implementation of the crop management technique.
- 2.4 Specify activities and their timing to meet goals and objectives of the crop management technique.
- 2.5 Identify contingencies that may affect implementation activities.  
  
Range contingencies may include but are not limited to – equipment breakdown, weather events, labour availability, crop variability; evidence of three contingencies is required.
- 2.6 Collate a plan to optimise crop production.

### Outcome 3

Monitor the implementation of a plan for a horticulture crop management technique, and manage variations to the plan.

**Performance criteria**

- 3.1 Monitor implementation process of the crop management technique against the plan.
- 3.2 Manage variations to the plan in the event of contingencies.

**Outcome 4**

Review the plan and make recommendations for improvement.

**Performance criteria**

- 4.1 Analyse the results against the plan, and achievement of goals and objectives.
- 4.2 Collate a report of the results of implementation and make recommendations for improvement.

<b>Planned review date</b>	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 2023
Review	2	16 December 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.