

Title	Identify a sustainable outdoor vegetable management technique, develop a plan, and manage its implementation and review		
Level	5	Credits	10

Purpose	People credited with this unit standard are able to: identify outdoor vegetable management techniques that have an adverse impact on sustainable crop production; investigate a sustainable outdoor vegetable management technique for a crop; develop a plan for the selected sustainable outdoor vegetable management technique for a crop; monitor the implementation of a plan for the sustainable outdoor vegetable management technique for a crop, and manage variations to the plan; and review the plan and make recommendations for improvement.
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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 The regional and territorial authorities throughout New Zealand may have differing regulatory requirements. Any plan developed in Outcome 3 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, measurable, attainable, realistic, and time based.

Objectives may be statements which are specific targets within the goal.

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.

Sustainable refers to the growing of crops using management techniques that consider the economic, social and environmental impacts of crop production.
- 5 Sustainable outdoor vegetable management techniques may include but are not limited to – preventing soil compaction, cover crops, crop rotation, nutrient management, tillage equipment use, irrigation scheduling, and spray system.

Outcomes and performance criteria

Outcome 1

Identify outdoor vegetable management techniques that have an adverse impact on sustainable crop production.

Performance criteria

1.1 Identify outdoor vegetable management techniques that can adversely impact on sustainable crop production from an economic, social and environmental perspective.

Range evidence of one technique for each perspective is required.

Outcome 2

Investigate a sustainable outdoor vegetable management technique for a crop.

Performance criteria

2.1 Identify crop production goals.

2.2 Research a range of potential sustainable outdoor vegetable management techniques for the crop.

2.3 Select a suitable sustainable management technique to investigate which are cost effective, achievable, and achieve production goals.

Outcome 3

Develop a plan for the selected sustainable outdoor vegetable management technique for a crop.

Performance criteria

3.1 Identify goals and objectives for the selected sustainable outdoor vegetable management techniques.

3.2 Identify procedures to monitor the sustainable management technique against the achievement of goals and objectives.

3.3 Identify appropriate resources required, and plan for their readiness and availability for the implementation of the sustainable management technique.

3.4 Specify activities and their timing to meet goals and objectives of the sustainable management technique.

3.5 Identify contingencies that may affect implementation of activities.

Range evidence of contingencies may include but are not limited to – equipment breakdown, weather events, labour availability, crop variability;
evidence of three contingencies is required.

Outcome 4

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

Performance criteria

4.1 Monitor implementation process of the sustainable outdoor vegetable management technique against the plan.

4.2 Manage variations to the plan in the event of contingencies.

Outcome 5

Review the plan and make recommendations for improvement.

Performance criteria

5.1 Analyse the plan against achievement of goals and objectives.

5.2 Make recommendations for improvements to the plan.

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	16 February 2017	31 December 2023
Review	2	16 December 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.