

|              |   |                |           |
|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Develop an outdoor vegetable production plan, and manage its implementation and review</b> |                |           |
| <b>Level</b> | <b>5</b>  | <b>Credits</b> | <b>14</b> |

|                |  |
|----------------|--|
| <b>Purpose</b> | People credited with this unit standard are able to: develop an outdoor vegetable production plan to achieve production goals and standards for a crop; manage implementation of a production plan; and review the production plan and make recommendations for improvement. |
|----------------|--|

|                       |  |
|-----------------------|--|
| <b>Classification</b> | Horticulture > Production Horticulture |
|-----------------------|--|

|                        |          |
|------------------------|----------|
| <b>Available grade</b> | Achieved |
|------------------------|----------|

---

### 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 1 must comply with regional or territorial regulatory requirements.
- 4 Definitions
 

*Continuous improvement* methods and tools may refer to a flow chart, check sheet, control chart, histogram, fishbone diagram, Pareto chart, root cause, sampling, A4 story board, 5 Whys technique, PDCA (plan-do-check-act) cycle, The Five Ss method, value stream mapping.

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

*Production 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.

*Regulatory compliance* refers to local, regional, or territorial authority requirements in which the property or facility resides.

*Standards* may refer to requirements laid down in quality assurance documentation, industry standards, or workplace procedures.

*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.

---

## Outcomes and performance criteria

### Outcome 1

Develop an outdoor vegetable production plan to achieve production goals and standards for a crop.

#### Performance criteria

- 1.1 Identify production goals and standards for a crop.
- 1.2 Identify procedures to monitor outdoor vegetable production activities against goals and standards.
- 1.3 Identify appropriate production equipment and machinery required to meet production goals, and plan for their readiness and availability.
- 1.4 Identify seasonal and/or permanent staff required for duration of production and their training requirements.
- 1.5 Specify production activities and their timing to meet production goals.
- 1.6 Identify contingencies that may affect production activities.  
  
Range contingencies may include but are not limited to – equipment breakdown, weather events, labour availability, crop variability; evidence of three contingencies is required.
- 1.7 Identify local regulatory compliance requirements that impact on production.
- 1.8 Plan to identify continuous improvement opportunities using methods and/or tools for production.  
  
Range evidence of four methods and/or tools – of which one must focus on reducing waste to improve production efficiency is required.

### Outcome 2

Manage implementation of a production plan.

#### Performance criteria

- 2.1 Monitor production progress against the plan.
- 2.2 Manage contingencies.  
  
Range contingencies may include but are not limited to – equipment breakdown, weather events, labour availability, crop variability; evidence of three contingencies is required.

- 2.3 Monitor the achievement of goals and standards.
- 2.4 Manage procedures to rectify non-conformance with standards.
- 2.5 Apply continuous improvement methods and/or tools in the implementation of the production plan.

### Outcome 3

Review the production plan and make recommendations for improvement.

### Performance criteria

- 3.1 Analyse the production plan against achievement of goals and standards.
- 3.2 Make recommendations for improvements to the production plan.
- 3.3 Apply continuous improvement methods and/or tools in the review of the production plan.

|                            |                  |
|----------------------------|------------------|
| <b>Planned review date</b> | 31 December 2026 |
|----------------------------|------------------|

### 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 |
|--|------|

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.