

ASSESSMENT GUIDELINES

Unit 25150

Manage requirements for production of a specified outdoor vegetable crop.

Level 4, Credit 20, Version 1

Manage requirements for production of a specified outdoor vegetable crop.

Unit standard 25150

Level 4, Credit 10, Version 1

Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar contexts.
- To analyse and interpret information, and make an informed judgment.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, P O Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

- 1 *Workplace procedures* refer to oral or written instructions to staff on procedures for the worksite and equipment.
- 2 *Standards* refer to requirements laid down in quality assurance documentation and industry standards as supplied by industry body, agent or exporting company.
- 3 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992; Employment Relations Act 2000; Resource Management Act 1991; Privacy Act 1993; Hazardous Substances and New Organism Act 1996 and related regulations; and Occupational Safety and Health Approved Codes of Practice.
- 4 Candidates must keep records over a **ten month period** and evidence needs to be shown that daily production data (eg. nutrient levels, maintenance, staff working areas, irrigation, weather) is recorded during the growing of the crop.
- 5 It is intended that at least one vegetable crop is produced over a year to the point of dispatch to a buyer. Alternatively, multiple crops produced in the same areas over a one year period

could be used for this unit standard. The area of vegetable production should be a minimum of one hectare in area, (10,000 square metres).

- 6 Although the candidate should be aware of the processes they should not be expected to make decisions such as the crop to be grown, the area and volume to be produced, or the Market for the crop. However the candidate will use this information while planning the crop production.
- 7 Crops include any outdoor horticultural vegetable crop. For those working with a greenhouse crop, Unit 22180 *Manage a greenhouse crop* would be more appropriate.

**Unit 25150: Manage requirements for production of a specified outdoor vegetable crop.
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
<p>Element 1 Plan the production of a specified vegetable crop.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Prepare the production schedule in terms of the enterprise production requirements. Production schedule should include: cultivar/s identified, numbers of plants, estimated crop, market to be supplied, estimated harvest date, key production process dates, labour demands, resource scheduling. ▪ Calculate the crop requirements in terms of the materials, labour, equipment, and resources in accordance with workplace procedures. ▪ Establish the crop quality requirements in accordance with market demands. ▪ Identify the potential risks and allowed for in them plan. These may include but are not limited to – climatic risk, financial risk, market changes. ▪ Incorporate performance measures into the plan to ensure that the progress is able to be monitored against schedule. Performance measures may include but are not limited to – quantity, timing, plant health, cost, labour efficiencies.
<p>Element 2 Manage the production of a specified vegetable crop.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Organise crop production tasks to ensure that they are carried out according with the plan. ▪ Monitor crop and production plans throughout the season to ensure that the crop production and quality standards are met. ▪ Monitor crop health and carry out prevention, control, or correction methods according to workplace procedures. Crop health monitoring may monitoring: pests, disease, physiological disorders. ▪ Select and use materials, tools, equipment, and machinery appropriate to the task during the production period. ▪ Select and apply cultural techniques appropriate to the crop and workplace requirements, during the production period. Cultural techniques may include but are not limited to – cultivation, nutrient applications, irrigation, pollination, thinning. ▪ Identify any variations from the plan, and take the appropriate courses of action to alleviate any shortcomings in the plan. ▪ Document any remedial action undertaken and reported to management in accordance with workplace practices.

		<ul style="list-style-type: none"> ▪
<p>Element 3 Manage the harvest and transportation of the crop from the workplace for further processing or sale.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Determine crop maturity in accordance with industry standards and workplace procedures. This may include but is not limited to - crop appearance, specifications, aids or devices to measure maturity and external assessments carried out by industry specialists. ▪ Ensure the crop selected for harvesting conforms to market requirements. ▪ Plan and coordinate harvesting resources in a sequential, timely and effective manner, in consultation with a supervisor. ▪ Complete harvesting of the crop in accordance with workplace procedures. ▪ Ensure the crop is transported from the field to the processing or storage area in accordance with workplace procedures. This may include but is not limited to – labelling, handling practices, storage conditions, transportation standards. ▪ Complete harvesting records in accordance with workplace procedures.

_____ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 25150, version 1

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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(Name of Apprentice)

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