

ASSESSMENT GUIDELINES

Unit 21216

Manage requirements for the production of a specified fruit crop for a year

Level 4, Credit 20, version 2

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Unit standard 21216

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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, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

- 1 *Workplace procedures* refer to verbal or written instructions to staff on procedures for the worksite and equipment.
- 2 All stages of production should be carried out in accordance with regulatory and workplace procedures that set out the way particular tasks are carried out on the property to achieve the desired outcome.
- 3 It is intended that at least one fruit crop is produced over a year to the point of dispatch to a buyer.
- 4 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.
- 5 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992, the Resource Management Act 1991, and the Hazardous Substances and New Organisms Act 1996.
- 6 Work may involve exposure to chemical, dangerous, or hazardous substances. Safety procedures are observed in accordance with NZS 8409:2004: *Management of Agrichemicals*, available from Standards New Zealand <http://www.standards.co.nz>, or the NZ Agrichemical Education Trust <http://www.growsafe.co.nz>

Unit 21216: Manage requirements for the production of a specified fruit crop for a year (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Plan the production of a specified fruit crop	Yes/No	<ul style="list-style-type: none"> • Prepare a production schedule in terms of the workplace production requirements. The production schedule needs to include - cultivar/s identified, numbers of plants, estimated crop, market to be supplied, estimated harvest date, key production process dates, peak labour demands identified. • Calculate crop requirements in terms of the materials, labour, equipment and resources needed. • Establish the crop quality requirements you need to meet according to market demands. • Identify potential risks and allow for them in the plan. Risk management may include climatic risk, and financial risk. • Incorporate performance indicators into the plan to monitor progress against schedule.
Element 2 Manage the production of the fruit crop	Yes/No	<ul style="list-style-type: none"> • Carry out crop production tasks during the production year as per plan. • Select materials, tools, equipment and machinery appropriate to the task and use them during the production period. • Select and apply cultural techniques appropriate to the crop and workplace requirements and applied during the production period. Cultural techniques may include cultivation, nutrient applications, irrigation, pollination, thinning. • Monitor the crop and production plan during production to ensure that crop production targets and the quality standards are being met. • Monitor crop health and carry out prevention, control, or correction methods as required. Crop health areas to be monitored include pests, diseases, physiological disorders. • Identify variations from plan, and take appropriate courses of action to alleviate them. • Document remedial action undertaken and report it to management according to workplace procedures.
Element 3 Manage the harvest and transportation of the fruit crop from the workplace for further processing or sale	Yes/No	<ul style="list-style-type: none"> • Determine crop maturity according to industry standards and workplace procedures. May include - crop appearance, specification charts, aid or devices including penetrometers and refractometers, and external assessment carried out by industry specialists. • Make sure the crop selected for harvesting conforms to workplace market requirements. • Identify workplace work team, contractors and clients and co-ordinate work tasks in a sequential, timely and effective manner in consultation with the supervisor. • Undertake harvesting of the crop according to OSH requirements. • Maintain harvest records according to workplace procedures. • Transport the crop from the field to the processing or storage area without damage.

_____ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 21216 (version 2)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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