

<b>Title</b>	<b>Manage requirements for the production of a specified fruit crop for a year</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	This unit standard is for people working in fruit production. People credited with this unit standard are able to: plan and manage the production, harvest and transportation of a fruit crop for a year.
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<b>Classification</b>	Horticulture > Fruit Production
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Recommended skills and knowledge</b>	Open but it is recommended that the candidate have prior experience in all aspects of the production of a fruit crop before attempting this unit standard.

### Explanatory 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://standards.co.nz>, or the NZ Agrichemical Education Trust <http://growsafe.co.nz>.

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## Outcomes and evidence requirements

### Outcome 1

Plan the production of a specified fruit crop.

#### Evidence requirements

- 1.1 Production schedule is prepared in terms of the workplace production requirements.
- Range cultivar/s identified, numbers of plants, estimated crop, market to be supplied, estimated harvest date, key production process dates, peak labour demands identified.
- 1.2 Crop requirements are calculated in terms of the materials, labour, equipment, and resources.
- 1.3 Crop quality requirements are established in accordance with market demands.
- 1.4 Potential risks are identified and allowed for in the plan.
- Range may include but is not limited to – climatic risk, financial risk.
- 1.5 Performance indicators are incorporated into the plan to monitor progress against schedule.

### Outcome 2

Manage the production of the fruit crop.

#### Evidence requirements

- 2.1 Crop production tasks are carried out during the production year in accordance with the plan.
- 2.2 Materials, tools, equipment, and machinery appropriate to the task are selected and used during the production period.
- 2.3 Cultural techniques appropriate to the crop and workplace requirements are selected and applied during the production period.
- Range may include but is not limited to – cultivation, nutrient applications, irrigation, pollination, thinning.
- 2.4 Crop and production plan is monitored during production to ensure that crop production targets and quality standards are met.

- 2.5 Crop health is monitored and prevention, control, or correction methods carried out as required.  
  
Range pests, diseases, physiological disorders.
- 2.6 Variations from plan are identified and appropriate courses of action are implemented to alleviate any shortcomings.
- 2.7 Any remedial action undertaken is documented and reported to management in accordance with workplace procedures.

**Outcome 3**

Manage the harvest and transportation of the fruit crop from the workplace for further processing or sale.

**Evidence requirements**

- 3.1 Crop maturity is determined in accordance with industry standards and workplace procedures.  
  
Range may include but is not limited to – crop appearance, specification charts, aids or devices including penetrometers and refractometers, and external assessments carried out by industry specialists.
- 3.2 Crop selected for harvesting conforms to workplace market requirements.
- 3.3 Workplace work team, contractors and clients are identified, a management plan is developed, and work tasks are coordinated in a sequential, timely, and effective manner, in consultation with the supervisor.
- 3.4 Harvesting of the crop is undertaken in accordance with Occupational Safety and Health requirements.
- 3.5 Harvest records are maintained in accordance with workplace procedures.
- 3.6 Crop is transported from the field to the processing or storage area without damage.

<b>Replacement information</b>	This unit standard and unit standards 776, 804, 834, 12394, 19926, 19927, 19933, 19934, 19935, 21958, 22184 were replaced by unit standard 29893.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2020
Revision	2	24 February 2006	31 December 2020
Review	3	16 February 2017	31 December 2020

<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>.

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is expiring