

<b>Title</b>	<b>Plan planting layout and plant fruit plants</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	This unit standard is for people working, or intending to work, in fruit production. People credited with this unit standard are able to: plan the layout of a block of fruit plants and mark plant positions; prepare to plant fruit plants; prepare the area for planting; plant fruit plants into final sites; and care for plants immediately after planting.
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<b>Classification</b>	Horticulture > Fruit Production
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 *Workplace procedures* refer to verbal or written instructions to staff on procedures for the worksite and equipment.
- 2 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992, and the Resource Management Act 1991.
- 3 This unit standard is not intended to cover grapes. People working, or intending to work, in viticulture may complete Unit 19937, *Perform field nursery activities in the vineyard*.

### Outcomes and performance criteria

#### Outcome 1

Plan the layout of a block of fruit plants and mark plant positions.

#### Performance criteria

- 1.1 Orientation, row spacing, and layout are specified in accordance with workplace procedures.
 

Range	shape of block, wind direction, north-south; optimum row length, harvesting requirements, plant spacings, training system; shelterbelts, stock, scion, soil and climate.
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- 1.2 Plant positions are marked in accordance with planned layout.
 

Range	base line, row positions and directions, straight rows, evenly spaced plants.
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**Outcome 2**

Prepare to plant fruit plants.

**Performance criteria**

- 2.1 Plants are received and checked.
- Range cultivar and quality, quantity.
- 2.2 Plants are heeled in, or otherwise maintained, until planting time so that they do not deteriorate.

**Outcome 3**

Prepare the area for planting.

**Performance criteria**

- 3.1 Appropriate tools and equipment are selected for specified use and are used safely in accordance with workplace procedures.
- 3.2 Soil is cultivated as necessary to an appropriate depth and tilth in accordance with workplace procedures.
- 3.3 Soil amendments are applied using appropriate materials and rates in accordance with workplace procedures.
- Range may include but is not limited to – fertilisers, organic matter, lime.
- 3.4 Tools and equipment are cleaned of all residues and returned to storage in accordance with manufacturer's specifications and workplace procedures.

**Outcome 4**

Plant fruit plants into final sites.

**Performance criteria**

- 4.1 Plants are spaced in accordance with the scion and root combination and in accordance with supervisor's directions.
- Range correct depth, facing right direction, roots pruned if necessary and well spread, soil suitably distributed and firmed, fertiliser incorporated with soil if desired.
- 4.2 Plants are checked for correct depth, are upright and firmed properly, and any adjustments needed are made by hand.

**Outcome 5**

Care for plants immediately after planting.

**Performance criteria**

- 5.1 Plastic sleeves are applied as required by plant type.
- 5.2 Any labels are removed and pruning is completed in accordance with workplace procedures.
- 5.3 Plants are tied to support structures as required in accordance with workplace procedures.
- 5.4 Plants are watered or irrigated as required to enhance plant establishment.

<b>Replacement information</b>	This unit standard replaced unit standard 786 and unit standard 787.
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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 2022
Revision	2	24 February 2006	31 December 2022
Review	3	27 January 2022	31 December 2022

<b>Consent and Moderation Requirements (CMR) reference</b>	0032
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.