

<b>Title</b>	<b>Bench graft grapevines</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	This unit standard is for people working in the viticulture industry. People credited with this unit standard are able to select appropriate grapevine material and bench graft grapevines.
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<b>Classification</b>	Horticulture > Viticulture
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 The New Zealand Horticulture Industry Training Organisation acknowledges the assistance provided by the Australian National Training Authority (ANTA) in permitting their competency unit to be used as the basis for this unit standard. This unit standard is based on the unit of competency FDFWGGBGVA, *Bench graft vines*.
- 2 *Workplace procedures* refers to verbal or written instructions to staff on procedures for the worksite and equipment.
- 3 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 their subsequent amendments.
- 4 Equipment may include secateurs, grafting knife, grafting machine, vermiculite boxes, gloves.
- 5 Information systems may be paper or electronic based.
- 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 performance criteria

#### Outcome 1

Prepare to bench graft grapevines.

**Performance criteria**

- 1.1 Vine material is confirmed as available to meet grafting requirements.
- 1.2 Vine material is selected and prepared for grafting.
- Range may include rootstock, scion, rootlings, cuttings (at various sizes).
- 1.3 Equipment is confirmed as available and ready to use.
- Range safety standards and pre-start requirements are met, equipment is operational.
- 1.4 Equipment is set to meet grafting needs as required.

**Outcome 2**

Bench graft grapevines.

**Performance criteria**

- 2.1 Vine cuttings are disbudded according to workplace procedures.
- 2.2 Vines are bench grafted according to workplace procedures.
- Range grafting techniques may include T buds, chip, wedge, side bark, V, omega.
- 2.3 Vine graft is treated/taped according to workplace procedures.
- Range may include tape, fungicides, paint, wax.
- 2.4 Grafting process and equipment is monitored to ensure results are maintained within specifications.
- 2.5 Out-of-specification process and equipment performance is identified, rectified and/or reported.

**Outcome 3**

Complete bench grafting activities.

**Performance criteria**

- 3.1 Equipment is shut down, cleaned, maintained and stored according to workplace procedures and manufacturer's specifications.
- 3.2 Grafted vines are packed, labelled and stored according to supervisor's instructions.
- Range moisture, humidity, temperature, light.

- 3.3 Waste generated by both the process and cleaning procedures is collected, treated, disposed of or recycled according to workplace procedures.

#### Outcome 4

Record and/or store information in a retrievable format.

#### Performance criteria

- 4.1 Workplace information is recorded and/or stored according to workplace procedures.

Range may include standard operating procedures, specifications, production schedules/instructions, work notes, Material Safety Data Sheets, manufacturers' instructions, verbal direction from manager, supervisor or senior operator.

**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	22 May 2003	31 December 2022
Revision	2	24 February 2006	31 December 2022
Review	3	29 July 2021	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>.