

ASSESSMENT GUIDELINES

Unit 19929

Field graft grapevines

Level 3, Credit 5, version 2

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Unit standard 19929

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Level of performance required for this unit standard

This is a level 3 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under general supervision, with some independence; with significant responsibility for the standard of the outcome achieved.
- To apply technical skills and knowledge to complete the task to the specified standard, in a familiar context.
- To interpret available information, and use discretion and 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. 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 FDFWGGFGVA, *Field 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.
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>.

Unit 19929: Field graft grapevines (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare to field graft grapevines	Yes/No	<ul style="list-style-type: none"> ▪ Access workplace information to identify grafting requirements (eg. in terms of site and crop characteristics). Liaise with other work areas and customers. ▪ Confirm supply of necessary materials. ▪ Select appropriate vine material for grafting. This may include cuttings, buds, dormant or green material, nursery rootstock rootlings, mature vines. ▪ Prepare vine material for grafting. This may include soaking buds, working appropriate incisions, hot water treatment of cuttings, virus tests, compatibility tests, hydration of cuttings, cutting to size. ▪ Check that equipment is available and ready to use, and meets safety standards and pre-start requirements. ▪ Equipment may include secateurs, grafting knife, grafting machine. ▪ Select, fit and use appropriate personal protection clothing and/or equipment. ▪ Select, prepare and setup equipment to meet grafting needs as required.
Element 2 Field graft grapevines	Yes/No	<ul style="list-style-type: none"> ▪ Graft vines in the field according to workplace procedures, without damage to vines, equipment or property structures. This should include the selection of appropriate bud location to graft, and cohesion of graft union. ▪ Grafting techniques may include T buds, chip, wedge, side bark, V, omega. ▪ Treat vines after grafting. This may include securing with tape, applying fungicides, painting, waxing. ▪ Monitor the grafting process and equipment operation to identify out-of-specification results of non-compliance. This can involve monitoring percentage take, weather conditions, pests and diseases. ▪ Take corrective action in response to out-of-specification results or non-compliance. Report and/or record corrective action as required.
Element 3 Complete field grafting activities	Yes/No	<ul style="list-style-type: none"> ▪ Clean, maintain and store equipment according to workplace procedures and manufacturer's specifications. ▪ Pack, label and store grafted vines. This may include consideration of temperature, moisture, humidity, and light; cold room layout, cold room temperature variations; customer requirements; storage time requirements; care of vine material eg. moisture, disease. ▪ Store or dispose of unused grafting material. ▪ Collect, treat, recycle or dispose of waste according to workplace procedures and legislative requirements.
Element 4 Record and/or store information in a retrievable format	Yes/No	<ul style="list-style-type: none"> ▪ Record and/or store workplace information according to workplace procedures. This 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. ▪ Information systems may be print or screen based.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 19929 (version 2)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

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