

ASSESSMENT GUIDELINES

Unit 19923

Bench graft grapevines

Level 3, Credit 5, version 2

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Unit standard 19923

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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.

Assessors may consider linking the assessment of this unit standard with assessment for:

19929 *Field graft grapevines*

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. Where the operation of specialised equipment is required (eg. equipment that requires calibration), alternative unit standards should be selected.
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. Work may involve exposure to chemical, dangerous or hazardous substances. Safety procedures are observed in accordance with New Zealand Standard 8409:1999, also known as the *Code of Practice for the Management of Agrichemicals*. This is available from the NZ Agrichemical Education Trust www.growsafe.co.nz or telephone 04 472 9997.

**Unit 19923: Bench graft grapevines
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare to bench 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. ▪ Select appropriate vine material for grafting. This may include rootstock, scion, rootlings, cuttings (at various sizes). ▪ Prepare vine material for grafting. This may include removal from cold storage, soaking, heat treatment, disbudding, hydration, grading. ▪ Check that equipment and materials are available and ready to use, and meets safety standards and pre-start requirements. ▪ Equipment may include secateurs, grafting knife, grafting machine, vermiculite boxes, gloves. ▪ Select, fit and use appropriate personal protection clothing and/or equipment. ▪ Select, prepare and setup equipment to meet grafting needs as required.
Element 2 Bench graft grapevines	Yes/No	<ul style="list-style-type: none"> ▪ Operate equipment according to workplace procedures. ▪ Disbud vine cuttings. ▪ Bench graft vines according to workplace procedures. 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 tightness of graft union, progress (number per day). ▪ Take corrective action in response to out-of-specification results or non-compliance. Report and/or record corrective action as required.
Element 3 Complete bench grafting activities	Yes/No	<ul style="list-style-type: none"> ▪ Shutdown, 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. ▪ 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 19923 (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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