

ASSESSMENT GUIDELINES

Unit 19942

Support mechanical grape harvesting
operations

Level 3, Credit 5, version 2

Support mechanical grape harvesting operations

Unit standard 19942

Level 3, Credit 5, version 2

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:

19936 *Operate vineyard equipment*

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 FDFWGMHSA, *Support mechanical harvesting operations*.
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. Licensing requirements relevant to this unit standard include, but are not limited to, the class of driver licence appropriate to the vehicle used.

4. Equipment may include tractors, trailers, gondolas, grape bins, fork lift.
5. Terrain must enable the employee to perform harvest support activities safely and effectively on the enterprise required. It may include tracks, access roads, straight or curving vineyard rows, flat, undulating, steep, hilly or terraced land, on and off-road environments.
6. Conditions must enable the employee to operate the equipment safely and effectively on the enterprise required. It may include dry, wet, slippery, windy, day or night conditions.
7. Information systems may be paper or electronic based.
8. Grape variety, crop quality/quantity, trellis systems and grape collection procedures may vary.
9. 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 19942: Support mechanical grape harvesting operations
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare for harvest support activities	Yes/No	<ul style="list-style-type: none"> ▪ Access workplace information to identify harvest support requirements (eg. in terms of site and crop characteristics). ▪ Check that equipment is available and ready to use, and meets safety standards and pre-start requirements. ▪ Equipment may include tractors, trailers, gondolas, grape bins, forklift. ▪ Select, attach and set up appropriate equipment. ▪ Select, fit and use appropriate personal protection clothing and/or equipment.
Element 2 Collect grapes from a mechanical harvester	Yes/No	<ul style="list-style-type: none"> • Tractor towing trailer/gondola is driven alongside mechanical harvester according to workplace procedures, without damage to vines, equipment or property structure. • Collect grapes from the discharge conveyer. This should include maintaining appropriate speed and distance, starting off and swapping over, changing rows, variety of harvesting conditions, varieties etc. • Monitor grape collection activities. This may include equipment breakages/malfunction, vine/trellis damage, grape quality and quantity, matter other than grapes collected, load weight, chemical usage, collection accuracy of grapes, tipping accuracy of grapes at receival point, progress, congestion/backlog at receival point. • Take corrective action in response to out-of-specification performance, report and/or record problems and/or corrective action.
Element 3 Transfer grapes to receival point	Yes/No	<ul style="list-style-type: none"> • Chemicals are handled, prepared and added according to supervisor's instructions. • Take the necessary action to protect fruit quality where possible. This may include waiting in shaded area. • Grapes are delivered to receival point according to supervisor's instructions. The receival point may include the winery, marshalling area, truck, loading bays.
Element 4 Complete harvest support activities	Yes/No	<ul style="list-style-type: none"> • Shut down equipment in response to routine requirements. • Shut down equipment in response to emergency situations. • Clean, maintain and store equipment according to workplace procedures. • Collect, treat, recycle or dispose of waste according to workplace procedures and legislative requirements.
Element 5 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 paper or electronic based.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 19942 (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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