

ASSESSMENT GUIDELINES

Unit 19934

Operate a mechanical grape harvester

Level 4, Credit 10, version 2

Operate a mechanical grape harvester

Unit standard 19934

Level 4, Credit 10, version 2

Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar contexts.
- To analyse and interpret information, and make an informed judgment.

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

19942	Support mechanical harvesting operations
19936	Operate vineyard equipment
19933	Operate specialised canopy management equipment in the vineyard

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 FDFWGGMHA, *Operate a mechanical harvester*.
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 includes mechanical harvesting machinery and appropriate tools.
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, open paddocks, flat, undulating, steep, hilly or terraced land, on and off-road.
6. Conditions must enable the employee to operate the equipment safely and effectively on the enterprise required. May include dry, wet, slippery, boggy, icy, foggy, 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.

Unit 19934: Operate a mechanical grape harvester (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare for mechanical grape harvesting	Yes/No	<ul style="list-style-type: none"> ▪ Access workplace information to identify harvesting 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. This may include checking fuel, water, oil (engine/gearbox/hydraulics), belts, lubricants, air intake, tyre pressure, metal fatigue/wear and tear. ▪ Equipment may include mechanical harvesting machinery and appropriate tools. ▪ Set up mechanical harvester to meet harvesting requirements. ▪ Select, fit and use appropriate personal protection clothing and/or equipment.
Element 2 Operate mechanical grape harvester	Yes/No	<ul style="list-style-type: none"> ▪ Operate mechanical harvester according to harvesting conditions and requirements, and workplace procedures, without damage to vines, equipment and property structure. ▪ Grapes are machine harvested according to workplace requirements. This may include consideration of: crop level, grape variety, vine age, row height and width/trellis design, slope/angle of row, visibility, other vineyard activity. ▪ Monitor equipment performance. This will include monitoring vine damage, grape quality/maturity, harvesting effectiveness (amount of fruit left in fruiting zone), matter other than grape collected, hours worked/service history, climatic conditions. ▪ Identify out-of-specification equipment performance, and rectify and/or report as instructed. ▪ Recognise problems and anomalies (eg diseased, immature, over-ripe or rotten fruit; adverse harvesting conditions, operating hazards such as broken trellis and wires, machinery malfunction or breakdown), and amend and/or report as instructed.
Element 3 Complete mechanical grape harvesting operations	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 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 paper or electronic based.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 19934 (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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