

## **ASSESSMENT GUIDELINES**

### **Unit 19933**

Operate specialized canopy management  
equipment in the vineyard

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Level 4, Credit 10, version 2

# Operate specialised canopy management equipment in the vineyard

Unit standard 19933

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:

19936 - Operate vineyard equipment

19924 - Carry out basic canopy maintenance 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](http://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 FDFWGGCMSA, *Operate specialised canopy management equipment*.
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 include but is not limited to the Health and Safety in Employment Act 1992 and its 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, circular saws, cutter bars, blades/knives, drum pruners, mechanical leaf pluckers and wire lifters, grape leaf trimmers.
5. Terrain must enable the employee to operate the equipment safely and effectively on the enterprise required. It may include tracks, access roads, vineyard rows, open paddocks, 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, boggy, icy, foggy, windy, day or night conditions.
7. Information systems may be paper or electronic based.

## Unit 19933: Operate specialised canopy management equipment in the vineyard (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
<b>Element 1</b> Prepare for canopy management activities	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Access workplace information to identify canopy management requirements. Factors to be considered: grape variety, vine vigour, end use of fruit and quality/yield requirements, climate, operating conditions.</li> <li>▪ Check that equipment is available and ready to use, and meets safety standards and pre-start requirements.</li> <li>▪ Equipment may include tractors, circular saws, cutter bars, blades/knives, drum pruners, mechanical leaf pluckers and wire lifters, grape leaf trimmers.</li> <li>▪ Set up equipment to meet requirements.</li> <li>▪ Select, fit and use appropriate personal protection clothing and/or equipment.</li> </ul>
<b>Element 2</b> Operate canopy management systems	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Operate canopy management equipment according to workplace procedures, without damage to vines, equipment and property structure.</li> <li>▪ Apply canopy management techniques to vines according to their vigour capacity and workplace procedures. Techniques may include pruning, trimming, plucking and lifting.</li> <li>▪ Monitor equipment and canopy management activities to ensure performance is maintained within specifications. This will include monitoring width of canopy, speed of tractor and power-take-off, density of foliage, air circulation, light penetration/shade, bud numbers/spur length, vine damage, progress.</li> <li>▪ Identify out-of-specification equipment performance, and rectify and/or report as instructed.</li> <li>▪ Recognise equipment performance problems and anomalies and amend and/or report as instructed. May include dead vines, signs of common pest and diseases such as mildew, eutypa, apple moth, phomopsis, boring insects, crown gall, diseased wood; signs of trellis and/or irrigation disrepair/problems and machinery breakdowns.</li> </ul>
<b>Element 3</b> Shut down canopy management equipment	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Shut down equipment in response to routine requirements.</li> <li>▪ Shut down equipment in response to emergency situations.</li> <li>▪ Clean, maintain and store equipment according to workplace procedures.</li> </ul>
<b>Element 4</b> Record and/or store information in a retrievable format	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ Information systems may be paper or electronic based.</li> </ul>

\_\_\_\_\_  
(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 19933 (version 2)

**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

## Unit 19933: Operate specialised canopy management equipment in the vineyard (Assessor copy)

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WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

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.

## **Unit 19933: Operate specialised canopy management equipment in the vineyard**

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*(Name of Apprentice)*

**is Competent in Unit Standard 19933** (version 2)

**Signed (Assessor):**

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WPA Registration Number: \_\_\_\_\_

Date: \_\_\_\_\_