

ASSESSMENT GUIDELINES

Unit 19927

Coordinate manual canopy management activities in the vineyard

Level 4, Credit 10, version 2

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Unit standard 19927

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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.

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 FDFWGGCMMMA, *Co-ordinate manual canopy management activities*.
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 and its subsequent amendments.
4. Equipment may include hydraulic/pneumatic pruners, secateurs, knives, saws, maintenance tools, mechanical wire lifters, bare hands. It may also include team support equipment such as toilet facilities, first-aid box, spare equipment, etc.
5. Team members may include people from a range of social, cultural and ethnic backgrounds and physical and mental abilities. Size of team may vary.
6. Canopy management systems will vary with enterprise requirements but may include vertical shoot positioning (VSP), wide T, Scott Henry, single wire, Geneva double curtain (GDC), Sylvoz.
7. Information systems may be paper or electronic based.

Unit 19927: Coordinate manual canopy management activities in the vineyard (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare for canopy management activities	Yes/No	<ul style="list-style-type: none"> ▪ Access workplace information to identify canopy management 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 hydraulic/pneumatic pruners, secateurs, knives, saws, maintenance tools, mechanical wire lifters. It may also include team support equipment such as toilet facilities, first-aid box, water, spare equipment. ▪ Select, fit and use appropriate personal protection clothing and/or equipment. ▪ Divide canopy managements activities among the team and give instructions as required. ▪ Assess vine vigour and growth. Unwanted growth may include suckers, water shoots, congested shoots, excess bunches. ▪ Select appropriate canopy management technique(s). This will include consideration of vine vigour, trellis design, grape variety, quality requirements, climate/weather, phenological development, workplace procedures/manager's instructions.
Element 2 Implement canopy management requirements	Yes/No	<ul style="list-style-type: none"> ▪ Implement canopy management activities without damage to vines, equipment or property structures. This may include leaf removal, shoot removal, lifting or lowering foliage wires, positioning shoots, trimming shoots, bunch thinning. It may include consideration of equipment and materials required, personnel availability and skills, location, transport, timing, environmental conditions, other vineyard activity eg. spraying. ▪ Monitor canopy management activities to ensure specifications are met. This may include monitoring the removal of unwanted growth, positioning of vine shoots, cutting procedure and quality, manipulation and securing of vine, vine damage, exposure of crop to sunlight, addition and positioning of foliage wires/shade cloth, equipment performance/maintenance, team performance and progress, problems and anomalies (eg. signs of common pests and diseases such as mildew, eutypa, phomopsis, boring insects, crown gall, diseased wood/berries. It may also include signs of trellis and/or irrigation disrepair or problems, machinery breakdown, team performance). ▪ Take corrective action in response to out-of-specification results or non-compliance. Report and/or record corrective action or non-compliance.
Element 3 Complete canopy management operations	Yes/No	<ul style="list-style-type: none"> ▪ Debrief workers as appropriate to clean, maintain and store equipment. ▪ Vine trimmings are collected, treated, recycled and/or disposed of 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 19927 (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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