

ASSESSMENT GUIDELINES

Unit 19935

Operate spreading and seeding equipment in the vineyard

Level 4, Credit 10, version 2

Operate spreading and seeding equipment in the vineyard

Unit standard 19935

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

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 FDFWGGSSSEA, *Operate spreading and seeding 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 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. Spreading and seeding activities may include planting cover crops, deep incorporation of ameliorants, fertilising.
5. Equipment may include seeders, spreaders (eg fertiliser, mulch).
6. Materials may include organic and inorganic fertilisers, gypsum, lime, seed, ameliorants, mulch.
7. Terrain, where applicable, 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.
8. Conditions, where applicable, 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.
9. Loads where applicable may range from full to empty as required.
10. Information systems may be paper or electronic based.

Unit 19935: Operate spreading and seeding equipment in the vineyard (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prepare spreading and seeding equipment for operation	Yes/No	<ul style="list-style-type: none"> ▪ Access workplace information to identify spreading and/or seeding 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 belts/chains, lubricants, hydraulics, air intake, tyre pressure, wear and tear. ▪ Equipment may include seeders, spreaders (eg fertiliser, mulch). ▪ Attach, set up and calibrate equipment to meet application requirements. ▪ Select, prepare and load materials according to requirements. ▪ Select, fit and use appropriate personal protection clothing and/or equipment.
Element 2 Operate spreading and seeding equipment	Yes/No	<ul style="list-style-type: none"> ▪ Operate spreading and/or seeding equipment according to workplace procedures, without damage to vines, equipment and property structure. This should include forwards and reversing, operating in confined spaces, operating amongst other vineyard activities and a variety of conditions as required. ▪ Apply materials according to supervisor's instructions. This may include correct variety or type of seed/fertiliser, application rate, volume, depth, density and coverage. ▪ Monitor equipment, calibration and application rates to confirm performance is within specifications. This may include monitoring status and condition, handling/stopping, ground speed, actual vs expected usage of materials, ground coverage, blockages, environmental/operating conditions. ▪ Identify out-of-specification equipment performance, and rectify and/or report as instructed. ▪ Recognise equipment performance problems and anomalies and amend and/or report as instructed. May include equipment blockages, uneven surfaces, size and flow of materials being applied.
Element 3 Shut down spreading and seeding equipment	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 19935 (version 2)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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(Assessor copy)**

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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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