

ASSESSMENT GUIDELINES

Unit 22193

Fertilise a selected horticulture area

Level 3, Credit 5, version 1

Fertilise a selected horticulture area

Unit standard 22193

Level 3, Credit 5, Version 1

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.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, P O Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

- 1 *Workplace procedures* refer to verbal or written instructions to staff on procedures for the worksite and equipment.
- 2 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992 and the Resource Management Act 1991.
- 3 A *selected horticulture area* may include an amenity or landscape area; or a fruit, viticulture, vegetable, flower or nursery crop.
- 4 Codes and related documentation applicable to this unit standard include but are not limited to: *The Code of Practice for Fertiliser Use*, available from the New Zealand Fertiliser Manufacturers Research Association (NZFMRA) <http://www.fertresearch.org.nz>; and *The Code of Practice for Manual Handling* (Wellington: Occupational Safety and Health Service of the Department of Labour and the Accident Compensation Corporation, 2001) available at <http://www.acc.co.nz>

**Unit 22193: Fertilise a selected horticulture area
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Calculate the fertiliser requirements for a selected horticulture area.	Yes/No	<ul style="list-style-type: none"> ▪ Measure the area to be fertilised and calculate the area in accordance with workplace procedures. ▪ Calculate the amount of fertiliser for the selected area in accordance with a predetermined fertiliser programme.
Element 2 Prepare and apply fertiliser to a selected horticulture area.	Yes/No	<ul style="list-style-type: none"> ▪ Select a fertiliser applicator and calibrate it to obtain uniform coverage at the calculated rate. Range: pedestrian spreaders, tractor-mounted spreaders, boom sprayers, fertigation. ▪ Identify damage, wear or malfunctions of the fertiliser applicator; report these to the work supervisor in accordance with workplace procedures. ▪ Load the specified fertiliser in accordance with workplace procedures and the Code of Practice for Manual Handling. ▪ Assess weather conditions prior to application in terms of temperature, sunlight, rainfall, and irrigation. ▪ Assess the soil moisture status and area conditions in terms of suitability for fertiliser application. Range: requirement for fertiliser, waterlogging, surface firmness, disease potential, time of the year. ▪ Distribute the fertiliser evenly at the specified rate, with minimal overlap and no coverage gaps, in accordance with workplace procedures. ▪ Follow post-application procedures in accordance with workplace procedures. Range: irrigation, recording fertiliser application details.
Element 3 Maintain fertiliser equipment.	Yes/No	<ul style="list-style-type: none"> ▪ Empty and thoroughly wash down implements in accordance with workplace procedures. ▪ Ensure moving parts are lubricated, where necessary, in accordance with the operator's manual. ▪ Store implements in accordance with workplace procedures.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 22193. (version 1)

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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(Name of Apprentice)

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