

ASSESSMENT GUIDELINES

Unit 20559

Propagate herbaceous plants by division

Level 3, Credit 10, version 2

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Unit standard 20559

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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 judgement.

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

20556	Demonstrate knowledge of plant propagation
20557	Propagated plants from seed
20558	Propagate plants by cuttings
20572	Bud and graft young plants

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

Entry information:

Recommended: Unit Standard 20556, *Demonstrate knowledge of plant propagation*, or demonstrate equivalent knowledge and skills.

Special notes:

This unit standard replaces unit standard 818.

Workplace procedures refer to verbal or written instructions to staff on procedures for the worksite and equipment.

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.

Work may involve exposure to chemical, dangerous or hazardous substances. Safety procedures are observed in accordance with NZS 8409:2004, *Management of Agrichemicals*, available from Standards New Zealand <http://www.standards.co.nz> or the NZ Agrichemical Education Trust, <http://www.growsafe.co.nz>.

Learners should recognise the rights of plant breeders and licensed growers under the Plant Variety Rights Act 1987, trademarks, copyright, patents or any other protection method, and understand the responsibilities of propagators to observe those rights.

**Unit 20559: Propagate herbaceous plants by division
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Divide crowns and rhizomes.	Yes/No	<ul style="list-style-type: none"> • Maintain stock plants to optimise division production. Maintenance includes: removal of flower stems, plant health, weed control, irrigation, fertiliser application. • Assess stock plant maturity and decided when to lift the crown and rhizomes at the correct time for the species according to workplace practices. • Divide the plant material according to workplace practices. • Containerise or line out divisions into a suitable growing on environment that will optimise growth.
Element 2 Divide bulbs and corms.	Yes/No	<ul style="list-style-type: none"> • Maintain stock beds in accordance with workplace practices to optimise bulb and corm production. Maintenance includes: modified planting depths, removal of flower stems, plant health, weed control, irrigation, and fertiliser application. • Assess stock plant maturity and decided when to lift the bulbs and/or corms at the correct time for the species according to workplace practices. • Propagate bulbs and/or corms according to workplace practices. Carry out two propagation methods from – simple division, scaling, scooping, or scoring. • Manage bulbs and/or corms after division according to species requirements. They can be planted or stored according to workplace practices.
Element 3 Propagate from runners.	Yes/No	<ul style="list-style-type: none"> • Maintain parent plants to optimize runner production. Maintenance includes: plant health, weed control, irrigation, and fertiliser application. • Assess runner maturity and make decisions to lift runners at the right time appropriate to the plant species and according to workplace practices. • Undertake lifting and division according to workplace practices. • Process runners according to species and buyers requirements. Package, store or containerise runners according to workplace practices.
Element 4 Keep records of propagation by division. of propagation by division.	Yes/No	<ul style="list-style-type: none"> • Identify and label divided plant according to workplace practices. Identification may include plant name and date. • Keep records of each species or cultivar propagated, according to workplace practices. Records may include: species and/or cultivar name, source of plant material, lifting and processing dates, containerisation date, and packaging, quantities.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 20559 (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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