

ASSESSMENT GUIDELINES

Unit 23781

Grow and pot up plants from stem cuttings.

Level 2, Credit 5, Version 1

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Unit standard 23781

Level 2, Credit 5, Version 1

Level of performance required for this unit standard

This is a level 2 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under general supervision, as directed; with some responsibility for the standard of the outcome achieved.
- To complete tasks that are established and familiar, with a moderate range of skill and knowledge.
- To apply basic operational knowledge, use readily available information and known solutions to solve familiar problems.

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. *Industry practices* refer to accepted horticulture industry techniques, procedures, and standards.
2. The stem cuttings must be used to produce the growing on stage of plants in containers.

**Unit 23781: Grow and pot up plants from stem cuttings.
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Identify the parts of plants relevant to stem cutting propagation.	Yes/No	<ul style="list-style-type: none"> ▪ Identify the plant parts relevant to stem cutting propagation. Identification includes: node, internode, terminal (or apical) bud, axillary (or lateral) bud, stem, petiole, lamina, midrib (or main vein). ▪ Identify stem woodiness. Including: softwood, semi-hardwood, hardwood.
Element 2 Propagate stem cuttings.	Yes/No	<ul style="list-style-type: none"> ▪ Select propagation material for stem cuttings in accordance with industry practices. Range: healthy growth, pest and disease free, flower and fruit free. ▪ Propagate 20 tip and/or nodal stem cuttings in accordance with industry practices. Giving due consideration to – position of cuts, number of internodes, leaf removal, hormone treatment, cutting medium, labels. ▪ Monitored stem cuttings until well rooted in accordance with industry practices. Range of monitoring includes: moisture levels, pest and disease free.
Element 3 Pot up, care for, and present stem cuttings.	Yes/No	<ul style="list-style-type: none"> ▪ Pot up stem cuttings in accordance with industry practices when roots are well formed. Range may include but is not limited to – potting bags, pots, labels. ▪ Monitor potted up stem cuttings in accordance with industry practices. Range: moisture levels, pest and disease free. ▪ Present a minimum of 12 potted up stem cuttings with evidence of at least three new internodes of growth on each cutting (growing on stage).
Element 4 Keep a diary record of the plants propagated from stem cuttings.	Yes/No	<ul style="list-style-type: none"> ▪ Keep a record of the procedures undertaken in the preparation of the stem cuttings for propagation. ▪ Keep a weekly record that describes care and maintenance of stem cuttings up until the potted cuttings reach the stage of three internodes of growth on each cutting. Weekly record may include but is not limited to – watering, plant and root growth, pests and diseases, other environmental conditions.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 23781, 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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