

ASSESSMENT GUIDELINES

Unit 21026

Establish and maintain plant collections

Level 4, Credit 10, version 3

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Unit standard 21026

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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 context.
- 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 *Workplace procedures* refer to oral 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, the Resource Management Act 1991, and their subsequent amendments.
- 3 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>

**Unit 21026: Establish and maintain plant collections
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Describe plant collections	Yes/No	<ul style="list-style-type: none"> Describe the types of horticultural and botanical plant collections and explain their purpose and normal location. Include <i>three examples</i> of different plant collections. These may include; trees, shrubs, alpine plants, cacti, succulents, herbs, roses, New Zealand native plants.
Element 2 Plan the establishment of a specific plant collection	Yes/No	<ul style="list-style-type: none"> Identify the purpose of the plant collection. Identify the environmental requirements for a specific plant types. Requirements should include – soil, water, nutrient status, light, temperature, exposure, specific seasonal requirements. Determine the cultural requirements of the plant collection and specific site. Requirements should include – drainage, irrigation, cultivation, fertilising, weed control, shelter, lighting, heat. Identify the typical life spans of your plants in the collection. Identify strategies for ensuring the continuity of the collection. Requirements include – timeline, purpose, cultural, environment, and maintenance.
Element 3 Maintain a plant collection	Yes/No	<ul style="list-style-type: none"> Select appropriate tools and equipment for a specified use and use them safely and in accordance with workplace procedures. Control weeds by cultural, physical, or chemical methods as appropriate, and in accordance with the plant collection plan. Water the plant collection as required, depending on the plant type and species, by hand-held equipment or by operating an irrigation system to maintain soil moisture to depth of root growth. Apply side dressings of fertilizers as required, and depending on plant type and species. Apply fertilizer according to workplace procedures and manufacturers recommendations and soil analysis as appropriate. Plant up or remove and replace plants as required, making sure suitable soil conditions are maintained. Maintain the plant collection in accordance with the plan. Maintenance may include – disbudding, dead-heading, trimming, staking and tying; corrective pruning and training, pest and disease control, removal of dead, damaged or discarded plant material. Keep the plant collection area and surrounding paths or lawns free of rubbish and plant debris. Dispose of any waste. Clean tools and equipment of all residues and return them to storage according to workplace procedures.
Element 4 Maintain plant collection identification and records	Yes/No	<ul style="list-style-type: none"> Clearly identify and label plants. Include – date, common name, botanical name – genus, species, cultivar names (if applicable). Maintain accurate plant collection records. Records should include – plant name (common name, botanical name {family, genus, species, cultivar name - as appropriate), accession number, source, country of origin, date and source of plant material, date of propagation, date of planting out or placement within the collection, physical location within the collection. Keep records safe and secure. File electronic records, and may include making hard copies.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 21026 (version 3)

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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