

ASSESSMENT GUIDELINES

Unit 10950

Demonstrate knowledge of the annual production cycle
of a number of tree crops in a forest nursery

Level 3, Credit 4, version 3

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Unit standard 10950

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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 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:

Legislation relevant to this unit standard includes but is not limited to the: Health and Safety in Employment Act 1992, and its subsequent amendments.

**Unit 10950: Demonstrate knowledge of the annual production cycle of a number of tree crops in a forest nursery
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Describe the annual production cycle for bare root seedlings in a forest nursery. Range: radiata pine, one eucalypt species.	Yes/No	<ul style="list-style-type: none"> ▪ View and evaluate operations with reference to their objectives. Range: cultivation, bed forming, seed pre- treatment, seed preparation, seed sowing, sowing depth, seed spacing, weed and pest control, competition, malformation, fertilising, seedling quality, conditioning, topping, lifting, culling, packing, transporting, storing. ▪ Explain timing of operations over the annual cycle with reference to seasonal biological activity. Range: seed sowing, emergence period, soil temperatures, under cutting, conditioning, carbohydrate transfer, autumn temperature patterns, frost.
Element 2 Describe the annual production cycle for bare root radiata pine cuttings in a forest nursery.	Yes/No	<ul style="list-style-type: none"> ▪ View and evaluate operations with reference to their objectives. Range: bed forming, dibbling, cutting collection and setting, protection, weed and pest control, conditioning, lifting, culling, packing, storing, plant quality. ▪ Explain timing of operations over the annual cycle with reference to seasonal biological activity. Range: cutting collection and setting, protection, lateral root pruning, conditioning, topping, lifting.
Element 3 Describe the cycle of operations for container grown seedlings in a forest nursery.	Yes/No	<ul style="list-style-type: none"> ▪ View and evaluate operations with reference to their objectives. Range: preparing container mix, sowing, pricking out, fertilising, growing on, hardening off, container types, spacing, starvation regimes. ▪ Explain timing of operations during the growing cycle with reference to seasonal biological activity. Range: sowing, fertilising, shading, hardening off, root trimming, poly house, growing period, starving off, planting time, drought tolerance, frost tolerance.
Element 4 Describe the cycle of operations for container grown cuttings in a forest nursery.	Yes/No	<ul style="list-style-type: none"> ▪ View and evaluate operations with reference to their objectives. Range: preparing container mix, collecting cuttings, setting cuttings, growing, hardening of, root trimming, container types. ▪ Explain timing of operations during the growing cycle with reference to seasonal biological activity. Range: collecting cuttings, setting cuttings, root trimming, transplanting of plug grown cuttings.

_____ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 10950 (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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