

ASSESSMENT GUIDELINES

Unit 10947

Prick out and transplant tree seedlings in a forest nursery

Level 2, Credit 4, version 3

Prick out and transplant tree seedlings in a forest nursery

Unit standard 10947
Level 2, Credit 4, version 3

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, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

1. This unit standard covers plant transfer techniques for tree species. Transfer techniques are equally applicable to woody plant species generally.
2. 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 10947: Prick out and transplant tree seedlings in a forest nursery
(Apprentice copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Prick out tree seedlings. Range: germinants, small seedlings, containers, open beds.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure techniques of extraction from seed trays and of pricking out do not damage seedlings. ▪ Utilise root positioning techniques that ensure tap roots and lateral roots are not distorted during transfer. ▪ Ensure firming-in technique maintains root orientation. ▪ Water seedlings immediately after pricking out to ensure intimate root contact with the medium. ▪ Water unused seedlings to maintain their vitality.
Element 2 Transplant tree seedlings and rooted cuttings.	Yes/No	<ul style="list-style-type: none"> ▪ Trim root systems to a suitable length. Range: plant size, container size, root system characteristics. ▪ Ensure top roots and lateral roots are not distorted when placed in containers or when transplanted into open beds. ▪ Ensure firming after transplanting does not distort root systems.
Element 3 Demonstrate knowledge of root system quality.	Yes/No	<ul style="list-style-type: none"> ▪ Identify degrees of tap root distortion in terms of their effect on tree stability. Range: straight tap root, lightly off set, severely off set, J rooted, pig tail, tap root breakage, tree stability. ▪ Explain types of lateral root distortion in terms of their effect on tree stability. Range: lateral roots straight down, lightly off set, severely off set, swept, J rooted, birds' nests.

_____ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 10947 (version 3)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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