
FOREST NURSERY
Identify, evaluate, and secure seed trees

level:	4
credit:	4
planned review date:	June 2008
sub-field:	Horticulture
purpose:	People credited with this unit standard are able to: determine the genetic identity of proposed seed trees; evaluate their suitability as a seed source; and secure their position.
entry information:	Open.
accreditation option:	Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.
moderation option:	A centrally established and directed national moderation system has been set up by the Primary Industry Training Organisation.
special notes:	<ol style="list-style-type: none">1 Definitions <i>Provenance</i> refers to seed origin, denoted as a position within the natural range of a species; <i>Dioecious</i> refers to the sexes occurring on separate trees.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.

Elements and Performance Criteria

element 1

Determine genetic identity of proposed seed trees.

performance criteria

- 1.1 The genus and species of the proposed seed trees are established.
- 1.2 The provenance of the stand in which the trees are located is verified.

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1.3 The sex of the proposed seed trees and proximity of male specimens are determined.

Range: monoecious, dioecious.

element 2

Evaluate suitability of proposed seed trees as a seed source.

performance criteria

2.1 Potential seed trees are evaluated in relation to their suitability as timber producers.

Range: health status, vigour, freedom from pests, stem straightness, branch size, branch angle, branching patterns, spiral grain, wood density, stem fluting, flowering.

2.2 The silvicultural history of the stand in which the trees occur is identified in relation to the trees' suitability as seed producers.

Range: establishment success, pruning practices, thinning schedules.

element 3

Secure position of seed trees.

performance criteria

3.1 Seed trees are marked and demarcated within the general stand.

3.2 Position of seed trees or stands is recorded.

Range: maps, plans, permanent records.

Comments on this unit standard

Please contact Primary Industry Training Organisation <http://www.primaryito.ac.nz> if you wish to suggest changes to the content of this unit standard.

Please Note

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Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0032 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.