
FOREST NURSERY
**Prepare tree seed for sowing in a forest
nursery**

level:	3
credit:	2
planned review date:	June 2008
sub-field:	Horticulture
purpose:	People credited with this unit standard are able to pre-treat tree seed, and prepare tree seed for sowing.
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:	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

Pre-treat tree seed.

performance criteria

- 1.1 Seed is soaked in water to ensure that all seeds in a lot are completely imbibed.
- 1.2 Seed is stratified under conditions that ensure that seed dormancy is broken.

Range: temperature, aeration, moisture, washing of seed.

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- 1.3 Periods of stratification meet the requirements of each species and/or seed lot.
Range: one cypress species, one eucalypt species.
- 1.4 Hard coated seeds are either scarified or hot water treated to ensure water uptake.
Range: scarification - chipping of seed coats, abrasion of seed coats, concentrated acid treatment of seed coats.
- 1.5 Seed lots are labelled with species and seed lot number throughout all pre-treatment processes and when held in stratification.
- 1.6 The viability of unused seed is maintained.
Range: temperature, moisture.

element 2

Prepare tree seed for sowing.

performance criteria

- 2.1 Seed is surface dried under conditions that do not cause seed to start germinating.
- 2.2 Seed is prepared for machine and/or hand sowing.
- 2.3 The viability of prepared seed is maintained.
Range: temperature, moisture.
- 2.4 Prepared seed is labelled with species and seed lot information.
- 2.5 When treating seed with seed dressings, protective clothing is worn in accordance with the manufacturer's recommended safety precautions.

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.

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Please Note

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>.