
FOREST NURSERY
Extract, clean, and store tree seeds

level:	3
credit:	4
planned review date:	June 2008
sub-field:	Horticulture
purpose:	People credited with this unit standard are able to extract, and clean and store tree seeds under conditions that preserve seed viability.
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 Range: any three of the following – radiata pine, Douglas fir, one eucalypt species, one cypress species.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

Extract tree seed.

performance criteria

1.1 Curing conditions are adjusted to meet the requirements of each species.

Range: temperature, aeration.

FOREST NURSERY
Extract, clean, and store tree seeds

- 1.2 Drying schedules are adjusted to meet the requirements of each species.
Range: duration, temperature, moisture regime.
- 1.3 Extraction processes maintain seed viability.
Range: de-winging technique, temperature.
- 1.4 Seed lot identity is maintained throughout curing, drying, and extraction processes.
- 1.5 A record detailing species and seed lot information, curing conditions, drying schedules, and extraction processes is maintained.

element 2

Clean and store tree seeds.

performance criteria

- 2.1 Seed lot identity is maintained during the cleaning process.
- 2.2 Seed is cleaned to a standard of purity related to its intended use.
Range: export, precision sowing, non precision sowing.
- 2.3 Seed is dried to a percentage moisture content that ensures maintenance of viability in storage.
- 2.4 Seed is stored in containers and under conditions that maintain seed viability.
Range: container type, temperature, humidity.
- 2.5 Storage containers are labelled with species and seed lot number information.
- 2.6 A record system detailing species and seed lot information, cleaning processes, seed drying schedules, moisture content determinations, storage conditions, and position in the storage facility is maintained.

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.

FOREST NURSERY
Extract, clean, and store tree seeds

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>.