
FOREST NURSERY
Demonstrate knowledge of containers
for raising tree stocks

level:	2
credit:	3
planned review date:	June 2008
sub-field:	Horticulture
purpose:	People credited with this unit standard are able to demonstrate knowledge of container types used in forest nurseries, and cavity characteristics and remedial root trimming requirements.
entry information:	Open.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established and directed national moderation system has been set up by the Primary Industry Training Organisation.
special notes:	This unit standard covers the effects of container type on the root and shoot development of tree species. Knowledge gained is also directly applicable to woody plants generally.

Elements and Performance Criteria

element 1

Demonstrate knowledge of container types used in forest nurseries.

performance criteria

1.1 Description identifies the features of the various container types.

Range: paper pots, book type containers, tubes, holding trays, baskets, cavity trays, side slit cavity trays, plug trays.

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1.2 The features of the various container types are identified in relation to their effect on nursery management.

Range: filling, machine sowing, pricking out, edge effects, irrigation.

element 2

Demonstrate knowledge of cavity characteristics and remedial root trimming requirements.

performance criteria

2.1 Cavity dimensions are described in relation to their influence on plant development.

Range: cavity volume, surface area, cavity spacing, depth.

2.2 Description identifies the cavity characteristics within the various container types and their effect on root system development.

Range: ribs, side slits, drainage holes, smooth sides, basal rim, air pruning, air movement, root coiling, lateral root deflection, deplugging.

2.3 Root system faults caused by cavity characteristics and their effect on tree vigour and stability are recognised, and remedial root trimming requirements are explained.

Range: severing bottom of root plug, root trimming, potting on, planting, toppling, lean, vigour

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

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.

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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>.