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**FOREST NURSERY**  
**Demonstrate knowledge of site  
preparation factors, planting stock  
quality, and planting practice**

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<b>level:</b>	<b>4</b>
<b>credit:</b>	<b>4</b>
<b>planned review date:</b>	June 2008
<b>sub-field:</b>	Horticulture
<b>purpose:</b>	People credited with this unit standard are able to demonstrate knowledge of: site condition and site preparation factors; planting stock quality and maintenance of that quality; and planting practice.
<b>entry information:</b>	Open.
<b>accreditation option:</b>	Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.
<b>moderation option:</b>	A centrally established and directed national moderation system has been set up by the Primary Industry Training Organisation.
<b>special notes:</b>	None.

## **Elements and Performance Criteria**

### **element 1**

Demonstrate knowledge of site condition and site preparation factors.

### **performance criteria**

1.1 Land clearing and cultivation practices are outlined with reference to site conditions.

Range: crushing, root raking, wind rowing, ripping, mounding, spot mounding, topography, frost problems, soil type, hard pan.

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1.2 Weed control options are outlined with reference to site conditions, species, and stock type to be planted.

Range: weed species, total vegetation control, partial weed control, herbicides, pre and/or post plant weed control, topography, application methods.

1.3 Animal control methods are outlined with reference to the results of pre plant assessments of animal populations and planting stock type to be used.

Range: shooting, trapping, poisoning, fencing, rabbits, hares, opossums, deer, goats, sheep, cattle.

**element 2**

Demonstrate knowledge of planting stock quality and maintenance of that quality.

**performance criteria**

2.1 The attributes of high quality planting stock are outlined with reference to their importance for establishment success.

Range: health, freshness, sturdiness, root collar diameter, root system quality, root trimming quality, colour, hardiness, nutritional status.

2.2 Packing, transport, and storage practices are outlined with reference to their importance in maintaining planting stock quality.

Range: cartons, bags, wind protection, sun protection, compaction, crushing, desiccation, watering.

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**element 3**

Demonstrate knowledge of planting practice.

**performance criteria**

- 3.1 Planting methods for bare-root planting stock are outlined with reference to their effect on survival, growth, and stability.
- Range: spot cultivation, positive pull up technique, slit planting, cross-notch planting, H technique.
- 3.2 Planting methods for container grown stock are outlined with reference to their effect on survival, growth, and stability.
- Range: spot cultivation, plug positioning, firming in.
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**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.

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>.