

<b>Title</b>	<b>Carry out post harvest care of nursery crops</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: explain the post harvest care, treatment, and storage of nursery crops; select and apply post harvest treatments; and store nursery crops.
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<b>Classification</b>	Horticulture > Nursery Production
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definitions  
*Workplace procedures* refer to oral or written instructions to staff on procedures for the worksite and equipment.  
*Nursery crop* refers to a crop of no less than 50 plants.
- 2 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992, the Resource Management Act 1991, the Plant Variety Rights Act 1987; and their subsequent amendments.
- 3 Work may involve exposure to chemical, dangerous, or hazardous substances. Safety procedures are observed in accordance with NZS 8409:2004 *Management of Agrichemicals*, available from Standards New Zealand <http://standards.co.nz>, or the NZ Agrichemical Education Trust <http://growsafe.co.nz/>.

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### Outcomes and performance criteria

#### Outcome 1

Explain the post harvest care, treatment, and storage of nursery crops.

#### Performance criteria

- 1.1 The post harvest care of nursery crops is explained.

Range may include but not limited to - preventing dehydration, protecting from temperature extremes, maintaining light requirements, use of anti-desiccants, anti-transpirants.

1.2 The reasons for the post harvest treatments and storage are explained.

Range may include meeting low temperature requirements, maintaining dormancy; maintaining plant health, influencing the timing of growth or flowering, holding plants for later transport or planting, potting, bagging.

## **Outcome 2**

Select and apply post harvest treatments.

Range a minimum of six nursery crops.

### **Performance criteria**

2.1 The purpose of the selected treatments is stated, and their timing and modes of action are explained.

2.2 The nursery crops are prepared for treatment in accordance with workplace procedures.

2.3 Any equipment or materials needed, are prepared in accordance with manufacturer's instructions and workplace procedures.

2.4 The crops are treated in accordance with manufacturer's instructions for any equipment or materials used, and workplace procedures.

2.5 Post treatment care ensures minimal damage to the plant material, and leaves it ready for the next process.

2.6 Records of treatment are kept, in accordance with workplace procedures.

Range may include botanical names, treatment, date.

## **Outcome 3**

Store nursery crops.

Range a minimum of six nursery crops.

### **Performance criteria**

3.1 The purpose of the selected storage methods and the timing of the process are stated.

3.2 The nursery crops are prepared for storage in accordance with workplace procedures.

3.3 The storage facilities are prepared and the crops are placed in storage in accordance with workplace procedures.

3.4 The storage is managed so the crops quality is maintained for the duration of the storage.

3.5 Nursery crops are removed from storage on time and ready for the next process.

3.6 Storage records are kept, in accordance with workplace procedures.

Range may include botanical names, storage time, crop location, dates in and out of storage.

<b>Replacement information</b>	This unit standard replaced unit standard 12402.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	23 February 2004	31 December 2014
Revision	2	24 February 2006	31 December 2014
Review	3	19 April 2012	31 December 2023
Review	4	2 March 2023	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0032
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.