

<b>Title</b>	<b>Demonstrate knowledge of weeds and their control</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>This is a unit standard for people handling agrichemicals in land based industries.</p> <p>People credited with this unit standard are able to: identify weeds, and the ways they survive and spread; and describe methods of weed prevention and control, and the relationship between weed control and plant life cycles.</p>
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<b>Classification</b>	Pest Management > Pest Control
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to –
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety in Employment Act 1992;
  - Biosecurity Act 1993.
- 2 The New Zealand Standard applicable to this unit standard is NZS 8409:2004 *The management of agrichemicals*, available from <http://www.standards.co.nz/>.
- 3 Codes and related documentation applicable to this unit standard include but are not limited to:
  - Responsible Care Management System*, available from the New Zealand Chemical Industry Council (NZCIC, PO Box 5069, Wellington).
- 4 Definitions
  - agrichemical* – any substance, whether inorganic or organic, man-made or naturally occurring, modified or in its original state, that is used in any agriculture, horticulture or related activity, to eradicate, modify or control flora and fauna. It includes agricultural compounds, fertilisers, vertebrate pest control products and oral nutrition products (this definition differs to that given in NZS 8409:2004, where *agrichemicals* exclude fertilisers, vertebrate pest control products and oral nutrition products);
  - weed* – a plant that interferes with the management objectives of a land based industry at a particular location. It is a plant growing where it is not wanted, however under certain situations, the plant may not be totally undesirable;
  - legal* – a weed prevention and control method carried out in response to legislative requirements which includes but is not limited to the Biosecurity Act 1993.

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## Outcomes and performance criteria

### Outcome 1

Identify weeds, and the ways they survive and spread.

#### Performance criteria

- 1.1 Weeds are defined, and their detrimental effects are identified and described, in relation to a specified land based industry.
- 1.2 Weeds from a specified region and land based industry, are identified by sight.  
Range evidence is required for at least 15 weeds.
- 1.3 Weed survival is described in terms of plant adaptation and dispersal.  
Range plant type, plant reproduction, physical and chemical defences, plant vigour, root systems.
- 1.4 Plant life cycles are described.  
Range life cycles – annual, biennial, ephemeral; perennial – herbaceous, woody.

### Outcome 2

Describe methods of weed prevention and control, and the relationship between weed control and plant life cycles.

#### Performance criteria

- 2.1 Weed prevention and control is described in terms of the methods used.  
Range methods – biological, chemical, cultural, physical, legal.
- 2.2 The implications of weed prevention and control are described in relation to each stage of the plant life cycle.  
Range life cycles – annual, biennial, ephemeral; perennial – herbaceous, woody.

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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**

<b>Process</b>	<b>Version</b>	<b>Date</b>	<b>Last Date for Assessment</b>
Registration	1	27 May 2005	31 December 2015
Review	2	18 August 2011	31 December 2015
Rollover	3	17 October 2013	31 December 2015
Rollover	4	17 September 2015	31 December 2019
Rollover	5	26 September 2019	31 December 2020

<b>Consent and Moderation Requirements (CMR) reference</b>	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.