

<b>Title</b>	<b>Demonstrate knowledge of plant protection product labels and product information sources</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is for people involved with the handling, storage, supply, transfer, and/or manufacture of agrichemicals.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: plant protection product labels, and other relevant product information; and plant protection product formulations.</p>
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<b>Classification</b>	Agriculture > Agrichemical Supply
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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:
  - Agricultural Compounds and Veterinary Medicines (ACVM) Act 1997;
  - Hazardous Substances and New Organisms Act 1996;
  - Hazardous Substances Regulations 2001;
  - Health and Safety in Employment Act 1992;
  - ACVM New Zealand Labelling and Advertising Guide for Plant Compounds Requiring Registration 2005, available from <http://www.nzfsa.govt.nz>.
- 2 New Zealand Standards relevant to this unit standard include but are not limited to –
  - NZS 8409:2004 *The management of agrichemicals*;
  - NZS 5433:1999 *Transport of dangerous goods on land*;
 standards are available from <http://www.standards.co.nz>.
- 3 Codes and related documentation applicable to this unit standard include but are not limited to:
  - *AGCARM Labelling Guide* 2004, available from <http://www.agcarm.co.nz>;
  - New Zealand Labelling Guide for Toxic Substances 2001, available from <http://www.moh.govt.nz>.
- 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, and for the purposes of agrichemical supply, includes fertilisers, vertebrate pest control products, and oral nutrition products;

*Off label use* – use of an agrichemical for purposes, or at rates, other than the label prescription.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of plant protection product labels, and other relevant product information.

#### Performance criteria

- 1.1 Mandatory plant protection product label items, and classification of the hazardous substance classifications are described in accordance with legislative requirements.
- Range evidence is required for at least two labels.
- 1.2 Label information on plant protection products available on the New Zealand market are described in terms of NZS 8409:2004, and legislation.
- Range product storage, handling, safety precautions, withholding periods, use, priority and secondary identifiers, emergency response, disposal of unused product and containers.
- 1.3 Label information on plant protection products available on the New Zealand market are described in terms of the ramifications of recommendations for label, and off-label use.
- 1.4 Information on plant protection products is described in relation to that contained in product information sources other than labels.
- Range safety data sheets, product information sheets, product safety cards.

### Outcome 2

Demonstrate knowledge of plant protection product formulations.

Range physical formulations, performance enhancers.

#### Performance criteria

- 2.1 Available plant protection product formulations are described in terms of their compatibilities, advantages, and disadvantages.
- Range evidence is required for at least four.

- 2.2 Plant protection product formulations are described in terms of the use of performance enhancers.

Range includes but is not limited to – buffering agents, spreader stickers, adjuvants, penetrants, incipients.

**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	19 June 1997	31 December 2022
Revision	2	14 August 2002	31 December 2022
Review	3	27 May 2005	31 December 2022
Review	4	29 July 2021	31 December 2022

<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>.