

Title	Identify and interpret agrichemical product information, and demonstrate knowledge of safety with agrichemicals		
Level	2	Credits	5

Purpose	<p>This unit standard is for people handling agrichemicals in the primary sector.</p> <p>People credited with this unit standard are able to: identify and interpret information for an agrichemical product; describe the routes of entry of agrichemicals into the body when being used, types of agrichemical poisoning, and the role of respirators; describe safety procedures when working with agrichemicals; and identify the symptoms and first aid management of agrichemical poisoning sourced from safety data sheets.</p>
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Classification	Primary Sector > Plant Pest, Weed, and Disease Control
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Explanatory notes

- 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;
 - Agricultural Compounds and Veterinary Medicines Act 1997;
 - local regional and territorial authority regulatory requirements.
- 2 The New Zealand Standard applicable to this unit standard is NZS 8409:2004 *Management of Agrichemicals*, or subsequent replacement, available from <http://www.standards.co.nz>.
- 3 References
 - Responsible Care™ Management System*, available from the New Zealand Chemical Industry Council available from <http://www.nzcic.org.nz>;
 - New Zealand Novachem Agrichemical Manual*, available from <http://www.novachem.co.nz>.
- 4 Definitions
 - Agrichemical* – any substance, whether inorganic or organic, man-made or naturally occurring, modified or in its original state, that is used to eradicate, modify or control flora and fauna. It is a subset of agricultural compounds and includes pesticides, spray additives, fertilisers, vertebrate pest control products, and oral nutrition products.
 - Symptoms of agrichemical poisoning* – functional change described by the victim.
- 5 Range
 - Specified primary sector* may be any one of agriculture, equine, forestry, horticulture, amenity turf, sports turf.

Outcomes and evidence requirements

Outcome 1

Identify and interpret information for an agrichemical product.

Range information may include but is not limited to – storage, handling, safety precautions, withholding periods, use, priority identifiers, secondary identifiers, emergency response, disposal of unused product and containers; evidence is required for at least eight.

Evidence requirements

- 1.1 Agrichemical product information on product labels is identified and interpreted for agrichemical use.
- 1.2 Agrichemical product information from safety data sheets or the *New Zealand Novachem Agrichemical Manual* are identified and interpreted for agrichemical use.

Outcome 2

Describe the routes of entry of agrichemicals into the body when being used, types of agrichemical poisoning, and the role of respirators.

Evidence requirements

- 2.1 Agrichemicals are described in terms of their routes of entry into the body when being used.

Range inhalation, dermal (including eyes), oral, injection; evidence is required for at least three routes of entry.
- 2.2 Agrichemical poisoning types are described in terms of ways in which they can occur when agrichemicals are being used.

Range acute, chronic.
- 2.3 The fitting, storage, and maintenance of respirators are described in terms of their role in preventing agrichemical poisoning.

Outcome 3

Describe safety procedures when working with agrichemicals.

Evidence requirements

3.1 Safety procedures to minimise health risks when working with agrichemicals are described in terms of NZS 8409:2004, and legislation.

Range measuring and mixing, applying;
disposal of – washings, residues, surplus spray mixture(s).

Outcome 4

Identify the symptoms and first aid management of agrichemical poisoning sourced from safety data sheets.

Range evidence is required for at least one agrichemical product.

Evidence requirements

4.1 Symptoms of agrichemical poisoning are identified in terms of manufacturer's information on the safety data sheet.

4.2 First aid measures for agrichemical poisoning are identified from the safety data sheet.

Replacement information	This unit standard replaced unit standard 21554 and unit standard 21562.
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Planned review date	31 December 2016
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 August 2011	N/A

Consent and Moderation Requirements (CMR) reference	0232
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.