

Title	Demonstrate knowledge of safety and first aid in relation to agrichemical supply		
Level	3	Credits	5

Purpose	<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 describe: the safety procedures when handling agrichemicals; how agrichemicals can enter the body, and cause poisoning in humans and animals; the difference between agrichemical toxicity and hazard; and the recommended first aid procedures in the event of poisoning by agrichemicals.</p>
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Classification	Agriculture > Agrichemical Supply
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Factories and Commercial Premises (First Aid) Regulations 1985;
 - Hazardous Substances and New Organisms Act 1996;
 - Hazardous Substances (Emergency Management) Regulations 2001;
 - Health and Safety in Employment Act 1992.
- 2 The New Zealand Standard applicable to this unit standard is NZS 8409:2004 *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 Definition

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.

Outcomes and performance criteria

Outcome 1

Describe the safety procedures when handling agrichemicals.

Performance criteria

1.1 The use of personal protective equipment and respirators when handling agrichemicals is described in accordance with NZS 8409:2004, and legislation.

1.2 Safety guidelines when handling agrichemicals are described is in accordance with NZS 8409:2004, and legislation.

Range labels, mixing, siphoning, application, cleaning, maintenance, storage, loading.

Outcome 2

Describe how agrichemicals can enter the body, and cause poisoning in humans and animals.

Performance criteria

2.1 Agrichemicals are described in terms of the way they can enter the body.

Range inhalation, skin and eye absorption, ingestion.

2.2 Agrichemicals are described in terms of the way they can cause poisoning in humans and animals.

Outcome 3

Describe the difference between agrichemical toxicity and hazard.

Performance criteria

3.1 Agrichemical toxicity is described in terms of the difference between acute toxicity, and chronic toxicity.

3.2 An agrichemical hazard is described in terms of the relationship between degree of risk, exposure, and absorption.

Outcome 4

Describe the recommended first aid procedures in the event of poisoning by agrichemicals.

Performance criteria

4.1 First aid procedures are described in terms of the equipment required, and artificial respiration procedures.

- 4.2 First aid procedures are described in terms of the sources of advice, and the role of emergency response services.
- Range includes but is not limited to – safety data sheets, product labels, National Poisons Centre, emergency response information (ERI).
- 4.3 First Aid procedures are described in terms of the implications, and requirements, of legislation and codes of practice.
- 4.4 First aid procedures for organo-phosphate poisoning are described in terms of symptoms, and consequent action, and is in accordance with NZS 8409:2004.

Replacement information	This unit standard replaced unit standard 10897.
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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	27 May 2005	31 December 2022
Rollover and Revision	2	22 August 2008	31 December 2022
Review	3	29 July 2021	31 December 2022

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