

<b>Title</b>	<b>Describe hazard classification systems, and the safe and responsible use of agrichemicals</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to describe: hazard classification systems in relation to agrichemicals; risks associated with the safe and responsible use of agrichemicals; and the safe and responsible use of agrichemicals.
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<b>Classification</b>	Primary Sector > Plant Pest, Weed, and Disease Control
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Agricultural Compounds and Veterinary Medicines Act 1997;
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety at Work Act 2015;
  - Land Transport Act 1998;
  - Resource Management Act 1991.
- 2 Regulations and standards relevant to this unit standard include but are not limited to:
  - EPA Notices: Hazardous Substances (Hazardous Property Controls) Notice 2017;
  - Globally Harmonised System of Classification and Labelling of Chemicals (GHS) version 7;
  - Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;
  - Health and Safety at Work (Hazardous Substances) Regulations 2017;
  - Land Transport Rule: Dangerous Goods 2005;
  - Local regional and territorial authority regulatory requirements;
  - NZS 8409:2021 Management of Agrichemicals.
- 3 All evidence presented in this unit standard must be in accordance with workplace procedures.
- 4 The New Zealand Standard applicable to this unit standard is NZS 8409:2021 *Management of agrichemicals*, available from <http://www.standards.co.nz>.

## 5 Definitions

*Agrichemical* refers to 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, and foliar fertilisers.

*Workplace procedures* refer to the procedures and standard set by the client or employing organisation for preparation and application of agrichemicals.

- 6 New Zealand has implemented a new system of classification of hazardous substances based on the seventh revised edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). There is a four-year transition period for new product labelling, safety data sheet and packaging requirements, through to the 30 April 2025.

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## Outcomes and performance criteria

### Outcome 1

Describe hazard classification systems in relation to agrichemicals.

#### Performance criteria

- 1.1 Describe the GHS for hazard classification in terms of its purpose and principles.

Range principles include but are not limited to – hazard categories, properties, default controls.

- 1.2 Describe the current hazard classification system used under the Hazardous Substances and New Organisms Act in terms of its purpose and principles.

Range principles include but are not limited to – hazardous properties, hazard classes and subclasses, default controls.

### Outcome 2

Describe the risks associated with the safe and responsible use of agrichemicals

#### Performance criteria

- 2.1 Describe health and safety risks to people associated with agrichemical use in terms of the Health and Safety at Work Act.

Range evidence of three risks is required.

- 2.2 Describe how health and safety risks to people are managed using the Health and Safety at Work Act's hierarchy of controls to eliminate or minimise the risks associated with agrichemicals.

Range evidence of three risks is required.

2.3 Describe environmental risks associated with agrichemical use.

Range evidence of two risks is required.

2.4 Describe how environmental risks are managed to mitigate risks associated with agrichemical use.

Range evidence of two risks is required.

### Outcome 3

Describe the safe and responsible use of agrichemicals.

#### Performance criteria

3.1 Describe the principles underlying the management of agrichemicals in accordance with NZS 8409:2021.

Range people in the workplace, availability of product information, documentation, competency of personnel; evidence of two principles is required.

3.2 Describe the requirements for land transportation of agrichemicals in accordance with NZS 8409:2021.

Range requirements may include but are not limited to – responsibility, tracking, security, safety, exposure to risks, emergencies, competency of person transporting, land transport schedule exemption quantities; evidence of two requirements is required.

3.3 Describe the requirements for storage of agrichemicals in accordance with NZS 8409:2021.

Range requirements may include but are not limited to – responsibility, location, construction, suitable storage facilities, security, spill containment, signage, ventilation, moisture control, temperature control, fire extinguishers, inventory, threshold quantities of agrichemicals stored, segregation, separation distance; evidence of five requirements is required.

3.4 Describe the requirements for the safe use of agrichemicals in accordance with NZS 8409:2021.

Range requirements may include but is not limited to – spray planning, on-site risk assessment, personal protection equipment, non-target organisms, off-target spray drift management and sensitive areas, notification of use, calibration, handling and mixing, application, application equipment maintenance, maximum residue limit, application records; evidence of four requirements is required.

3.5 Describe the disposal of agrichemicals and container recycling in accordance with NZS 8409:2021.

Range concentrate, dilute solution, containers.

3.6 Describe the requirements of emergency management in accordance with NZS 8409:2021.

Range requirements may include but are not limited to – emergency response plans, spill management, symptoms of poisoning, fire response; evidence of two requirements is required.

<b>Planned review date</b>	31 December 2027
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 May 2005	31 December 2013
Review	2	19 May 2006	31 December 2013
Review	3	18 August 2011	31 December 2020
Review	4	26 April 2018	31 December 2024
Review	5	26 May 2022	N/A

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

#### Comments on this unit standard

Please contact Muka Tangata – People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.