

Title	Describe and manage agrichemicals in accordance with NZS 8409:2021		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to describe and manage agrichemicals in accordance with NZS 8409:2021.
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Classification	Primary Sector > Plant Pest, Weed, and Disease Control
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Available grade	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 (HSNO) 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:
 - Globally Harmonised System of Classification and Labelling of Chemicals (GHS) version 7;
 - Hazardous Substances (Hazardous Property Controls) Notice 2017;
 - Health and Safety at Work Act (Hazardous Substances) Regulations 2017;
 - Land Transport Rule: Dangerous Goods 2005;
 - Local regional and territorial authority regulatory requirements;
 - NZS 8409:2021 Management of Agrichemicals; and any subsequent amendments.

- 3 All evidence presented in this unit standard must be in accordance with workplace procedures and NZS 8409:2021.

- 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 It is recommended that candidates complete Unit 21563, *Describe hazard classification systems, and the safe and responsible use of agrichemicals*, before commencing this unit standard.

6 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.

Outcomes and performance criteria

Outcome 1

Describe and manage agrichemicals in accordance with NZS 8409:2021.

Performance criteria

- 1.1 Describe agrichemical use in terms of the principles underlying the management of agrichemicals.
- Range principles may include but are not limited to – responsibilities of people in the workplace, availability of product information, documentation, competency of personnel; evidence of three principles is required.
- 1.2 Describe agrichemical use in terms of the requirements for safe and responsible land transportation of agrichemicals in accordance with the Land Transport Rule: Dangerous Goods 2005.
- Range requirements include but are not limited to – responsibilities of personnel, general safety requirements, dangerous goods for agricultural use, land transport schedule exemption quantities, emergency management plan, documentation, competency of person transporting; evidence of three requirements is required.
- 1.3 Manage the requirements for safe and responsible storage of agrichemicals.
- Range requirements may include but are not limited to – responsibility, location, construction, suitable storage facilities, security, segregation, spill containment, signage, ventilation, moisture control, temperature control, fire extinguishers, inventory, threshold quantities of agrichemicals stored; evidence of eight requirements is required.

1.4 Manage the requirements for safe use of agrichemicals.

Range requirements may include but are not limited to – spray plan, onsite risk assessment, product selection and hazard classification, product mode of action, personal protection application equipment, equipment selection and maintenance, non-target organisms, notification, calibration and sprayer setup, handling and mixing, application rates, off-target spray drift management, documentation; evidence of six requirements is required.

1.5 Manage the requirements of disposal of agrichemicals and container recycling.

Range concentrate, dilute solution, containers

1.6 Manage the requirements for emergency preparedness for incidents, or adverse events and their effects, involving agrichemicals.

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

Planned review date	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	18 August 2011	31 December 2022
Review	3	28 November 2019	31 December 2024
Review	4	26 May 2022	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>.

Comments on this unit standard

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