

Title	Demonstrate understanding of the legislation, regulations and standards for the use of agrichemicals		
Level	3	Credits	5

Purpose	<p>This unit standard is for people working in the primary sector who require understanding of, and are responsible for, the preparation and application of agrichemicals.</p> <p>People credited with this unit standard are able to demonstrate understanding of the: Hazardous Substances and New Organisms (HSNO) Act 1996, Health and Safety at Work (HSW) Act 2015, and NZS 8409:2004 for the safe, effective, and responsible use of agrichemicals.</p>
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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

- Performance criteria must be consistent with all relevant procedures, guidelines, standards, and legislation (and their subsequent amendments) which include but are not limited to -
 - Health and Safety at Work Act 2015;
 - Health and Safety at Work (Hazardous Substances) Regulations 2017;
 - Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;
 - Agricultural Compounds and Veterinary Medicines Act 1997;
 - Resource Management Act 1991;
 - EPA Notices: Hazardous Substances (Hazardous Property Controls) Notice 2017;
 - Land Transport Act 1998;
 - Land Transport Rule: Dangerous Goods 2005;
 - Hazardous Substances and New Organisms Act 1996, and associated regulations and notices;
 - NZS 8409:2004 Management of agrichemicals;
 - Local regional and territorial authority regulatory requirements;
 - Workplace procedures.
- 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.

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

Understanding means that there should be evidence of a learners' thorough comprehension of a topic. A learner with a good understanding of a topic should have applied, or should be able to apply what they have learnt to a workplace situation and will be able to alter their practices to the different contexts they are applying their learning. Assessors should be confident that the learners understanding is embedded in their practices and behaviour.

Outcomes and performance criteria

Outcome 1

Demonstrate understanding of the HSNO Act hazard classification systems in relation to agrichemicals.

Performance criteria

1.1 Describe the purpose and principles of the HSNO Act hazard classification systems in relation to NZS 8409:2004.

Range hazardous substance – hazard classification, properties, classes, subclasses, controls.

Outcome 2

Demonstrate understanding of the risks associated with the safe, effective, and responsible use of agrichemicals in accordance with legislation and NZS 8409:2004.

Performance criteria

2.1 Identify health and safety risks to people associated with agrichemical use.

Range At least five risks.

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

Range At least five risks.

2.3 Identify environmental risks associated with agrichemicals.

Range At least two risks.

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

Range At least two risks.

Outcome 3

Demonstrate understanding of the safe, effective, and responsible use of agrichemicals in accordance with NZS 8409:2004.

Performance criteria

3.1 Describe the principles underlying the use of agrichemicals.

Range two of – risk management, responsibility, information, product information sources, documentation.

3.2 Describe the land transportation of agrichemicals.

Range two of – responsibility, general requirements, dangerous goods for agricultural use, emergencies, competency of person transporting, land transport exemption quantities.

3.3 Describe the storage of agrichemicals.

Range five of – responsibility, suitable storage facilities, security, spill containment, signage, ventilation, moisture control, fire extinguishers, amount of agrichemicals stored, segregation.

3.4 Describe the safe use of agrichemicals.

Range four of – personal protection equipment, non-target areas, notification of use, calibration, handling and mixing, application, application equipment, spray drift, documentation, maximum residue limit;
non target organisms – pollinators, beneficial organisms, animals, humans.

3.5 Describe the disposal of agrichemicals and containers.

Range unwanted - concentrate, dilute solution, containers.

3.6 Describe the requirements of emergency management.

Range two of - emergency response plans, spill management, symptoms of poisoning, fire response.

Planned review date	31 December 2023
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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	N/A

Consent and Moderation Requirements (CMR) reference

0232

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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.