

Title	Describe the transportation requirements of agrichemicals for supply		
Level	3	Credits	6

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 demonstrate knowledge of: the legislation, class rules, and information sources relevant to the transportation requirements of agrichemicals; the safe loading, segregation requirements and loading limitations of agrichemicals when transported; the placarding, dangerous goods licencing, and documentation required on a vehicle transporting agrichemicals; and actions to be taken in the event of a transport emergency involving 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:
 - Hazardous Substances and New Organisms Act 1996;
 - Health Act 1956;
 - Health and Safety in Employment Act 1992;
 - Maritime Transport Act 1994;
 - Resource Management Act 1991;
 - Transport Act 1962;
 - Transport Services Licensing Act 1989;
 - Relevant international air transport regulations.
- 2 New Zealand Standards applicable to this unit standard include but are not limited to:
 - NZS 8409:2004 *Management of Agrichemicals*;
 - NZS 4503:2005 *Hand operated fire-fighting equipment*;
 - NZS 5433:2007 *Transport of dangerous goods on land*;
 Standards are available from <http://www.standards.co.nz>.
- 3 Codes and related documentation applicable to this unit standard include but are not limited to:
 - *International Maritime Dangerous Goods Code*, available from <http://www.imo.org>;
 - *Operators' Handbook for the Transport of Dangerous Goods by Road*, available from <http://www.tranzqual.org.nz>.

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

Demonstrate knowledge of the legislation, class rules, and information sources relevant to the transportation requirements of agrichemicals.

Performance criteria

- 1.1 Legislation relevant to the transportation of agrichemicals is identified and interpreted in accordance with NZS 8409:2004.
- 1.2 The interpretation of class rules for agrichemicals is in accordance with NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- Range hazardous substance classification, dangerous goods classification, Hazchem codes, UN numbers, packing groups, maximum transportable quantity limits (MTQ).
- 1.3 Transport and handling requirements of specified classes of agrichemicals classified as dangerous goods are identified by interpretation of information sources, and is in accordance with NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- Range safety data sheets, product labels, product safety cards, emergency response documentation.

Outcome 2

Demonstrate knowledge of the safe loading, segregation requirements, and loading limitations of agrichemicals when transported.

Performance criteria

- 2.1 The safe loading of agrichemicals is described in accordance with NZS 8409:2004, legislation, and regulations.
- Range includes but is not limited to – position, incompatibility, load restraint, segregation.
- 2.2 Segregation limitations for transportation of agrichemicals are described in accordance with NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- 2.3 Loading limitations for transportation of agrichemicals is described in accordance with NZS 8409:2004, NZS 5433:2007, legislation, and regulations.

Outcome 3

Demonstrate knowledge of the placarding, dangerous goods licencing, and documentation required on a vehicle transporting agrichemicals.

Performance criteria

- 3.1 The placarding required on a vehicle transporting agrichemicals classified as dangerous goods is described in terms of NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- 3.2 The dangerous goods driver licencing required for a vehicle transporting agrichemicals classified as dangerous goods (D endorsement) is described in terms of NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- 3.3 The documentation required for a vehicle transporting agrichemicals classified as dangerous goods and hazardous substances is described in terms of NZS 8409:2004, NZS 5433:2007, legislation, and regulations.

Outcome 4

Describe the actions to be taken in the event of a transport emergency involving agrichemicals.

Performance criteria

- 4.1 The transport emergency plan is described in accordance with NZS 8409:2004, legislation, and regulations.

Range emergency services, classification of hazardous substances, packing groups, Dangerous Goods classifications, UN numbers, quantities, segregation, water supply, clean up.
- 4.2 Emergency and protective equipment required on a vehicle transporting agrichemicals are described in terms of NZS 8409:2004, NZS 5433:2007, legislation, and regulations.
- 4.3 Responsibilities and actions of the consignor of hazardous substances, the prime contractor, and the driver in the event of a transport emergency involving agrichemicals, are described in terms of the emergency plan, and are in accordance with NZS 8409:2004, legislation, and regulations.

Replacement information	This unit standard and unit standard 21547, replaced unit standard 10895, unit standard 10896, and unit standard 14376.
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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>.