

<b>Title</b>	<b>Demonstrate knowledge of agrichemicals, and safety when using agrichemicals</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: interpret agrichemical product information; describe safety procedures when working with agrichemicals, and agrichemical formulations.
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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

- Legislations and standards relevant to this unit standard includes but are not limited to:
  - Health and Safety at Work Act 2015;
  - Hazardous Substances and New Organisms Act 1996;
  - Resource Management Act 1991;
  - NZS 8409:2021 *Management of Agrichemicals*, available from <http://www.standards.govt.nz>.
- Definition
 

*Agrichemical* is 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.

*Agrichemical formulation* is an agrichemical preparation supplied by the manufacturer.

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## Outcomes and performance criteria

### Outcome 1

Interpret agrichemical product information.

**Performance criteria**

- 1.1 Interpret agrichemical product information for agrichemical use according to product labels, product safety cards or safety data sheets.

Range information may include but is not limited to – hazard classification, storage, handling, safety precautions, withholding periods, use, priority identifiers, secondary identifiers, emergency response, disposal of unused product and containers; evidence of eight information items is required.

- 1.2 Describe the relevance of withholding periods in relation to production activities.

**Outcome 2**

Describe safety procedures when working with agrichemicals.

**Performance criteria**

- 2.1 Describe safety procedures to minimise risks when preparing and using agrichemicals according to NZS 8409:2021.

Range evidence of four safety procedures is required.

**Outcome 3**

Describe agrichemical formulations.

**Performance criteria**

- 3.1 Describe agrichemical formulations in terms of their properties for a specific use.

Range formulations may include but are not limited to – emulsifiable concentrates, soluble concentrates, wettable powders, water dispersible granules, suspension concentrates, prills, granules, pellets, dusts, gases, aerosols, baits; evidence of two formulations is required.

- 3.2 Describe agrichemical formulations in terms of incompatibility between formulations and their implications.

Range implications include but are not limited to – order of mixing, storage.

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<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	19 January 2017	31 December 2024
Review	2	26 May 2022	N/A

**Consent and Moderation Requirements (CMR) reference**

0052

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.