

<b>Title</b>	<b>Prepare to apply and apply agrichemicals using hand held equipment</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This is an introductory unit standard for people in the primary sector who prepare and apply agrichemicals under supervision.</p> <p>People credited with this unit standard are able to prepare and apply agrichemicals using hand held equipment; and dispose of surplus mix, decontaminate, clean and store equipment, and complete documentation.</p>
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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 All evidence presented in this unit standard must be in accordance with:
  - Workplace procedures.
- 2 Legislation and regulations relevant to this unit standard includes but are not limited to the:
  - Health and Safety at Work Act 2015;
  - Hazardous Substances and New Organisms Act 1996;
  - Agricultural Compounds and Veterinary Medicines Act 1997;
  - Resource Management Act 1991;
  - local regional and territorial authority regulatory requirements.
- 3 The New Zealand Standard applicable to this unit standard is NZS 8409:2004 *Management of agrichemicals*, or subsequent replacement, available from <http://www.standards.co.nz>.
- 4 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.

*Hand held agrichemical application equipment* may include but is not limited to – motorised or non motorised knapsack, weed wiper, hand held mist blower, lawn boy sprayer.

*Workplace procedures* – the verbal or written instructions to staff on the procedures for the worksite, equipment, and documentation.

## 5 Assessment

This unit standard must be assessed in a commercial workplace or simulated commercial workplace situation.

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## Outcomes and performance criteria

### Outcome 1

Prepare to apply agrichemicals using hand held equipment.

#### Performance criteria

- 1.1 Select personal protective equipment according to agrichemical requirements, and fit and use in accordance with NZS 8409:2004, and legislation.
- 1.2 Prepare agrichemicals in accordance with NZS 8409:2004 and workplace procedures.
- Range preparation – measurement, mixing.
- 1.3 Prepare agrichemical application equipment in accordance with NZS 8409:2004, and manufacturer's specifications.
- Range includes but is not limited to – clean, leak free, droplet size for target and/or conditions.

### Outcome 2

Apply agrichemicals using hand held equipment.

#### Performance criteria

- 2.1 Apply agrichemicals at the required rate in accordance with label requirements, and NZS 8409:2004.
- 2.2 Apply agrichemicals on target, avoiding off target spray drift in accordance with NZS 8409:2004.

### Outcome 3

Dispose of surplus mix, decontaminate, clean and store equipment, and complete documentation.

#### Performance criteria

- 3.1 Dispose of surplus mix in accordance with NZS 8409:2004.
- 3.2 Decontaminate, clean and store, or dispose of, equipment associated with agrichemical application, in accordance with NZS 8409:2004.
- Range equipment – personal, application.

3.3 Complete documentation relating to agrichemical use in accordance with NZS 8409:2004.

Range may include but is not limited to – spray diary, record of weather conditions, tracking systems.

<b>Replacement information</b>	This unit standard replaced unit standard 21564.
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<b>Planned review date</b>	31 December 2024
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 August 2011	31 December 2020
Review	2	28 February 2019	31 December 2022
Review	3	28 November 2019	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 the Primary Industry Training Organisation [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.