

Title	Prepare agrichemicals and equipment for aerial application, and manage a loading site		
Level	3	Credits	5

Purpose	<p>This unit standard is for people who assist pilots when applying agrichemicals, liquid fertilisers, or suspension fertilisers, by aircraft.</p> <p>People credited with this unit standard are able to: prepare agrichemicals and equipment for aerial application; and manage an aerial agrichemical application loading site.</p>
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Classification	Agriculture > Aerial Agrichemical Application
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Available grade	Achieved
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Guidance Information

- Legislation and regulations relevant to this unit standard include but are not limited to:
 - Health and Safety in Employment Act 1992;
 - Hazardous Substances and New Organisms (HSNO) Act 1996 and relevant regulations;
 - Resource Management Act (RMA) 1991.
- The New Zealand Standard applicable to this unit standard is NZS 8409:2004 *The management of agrichemicals*, available from <http://www.standards.co.nz>.
- Definitions
 - 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. For the purposes of aerial agrichemical application, it includes liquid fertilisers, and suspension fertilisers;
 - decontamination* – the use of methods based on chemically induced flocculation to settle suspended solids followed by filtration. For more information refer to NZS 8409:2004;
 - cleaning* refers to the containers used to hold the agrichemicals. The most common form of cleaning is triple rinsing. For more information refer to NZS 8409:2004;
 - organisational procedures* – verbal or written instructions to staff on procedures for preparation and handling of agrichemicals, and loading site security.

Outcomes and performance criteria

Outcome 1

Prepare agrichemicals and equipment for aerial application.

Performance criteria

- 1.1 Personal protective equipment is selected according to requirements, and fitted, prepared and used in accordance with NZS 8409:2004, and legislation.
- 1.2 Agrichemical application and loading equipment is prepared in accordance with NZS 8409:2004, operational requirements, and manufacturer's specifications.
- Range includes but is not limited to – clean, leak free, adequate droplet size.
- 1.3 Quantities of agrichemicals are prepared and handled on-site in accordance with NZS 8409:2004, and organisational procedures.
- Range volume, rate, weight, flowability, capability, mixing, order of mixing, measurement, containment.
- 1.4 Surplus aerial agrichemical mix is disposed of in accordance with NZS 8409:2004.
- 1.5 Equipment associated with agrichemical application is decontaminated, cleaned and stored, or disposed of, in accordance with NZS 8409:2004.
- Range equipment – personal, application, loading.
- 1.6 Documentation relating to agrichemical use is completed in accordance with NZS 8409:2004.
- Range spray diary, tracked substances.

Outcome 2

Manage an aerial agrichemical application loading site.

Performance criteria

- 2.1 Site security is maintained while aerial agrichemical application operation is carried out in accordance with organisational procedures.
- 2.2 Agrichemicals are stored on site in accordance with NZS 8409:2004.
- Range placarding, security of store, access to site.

Replacement information	This unit standard replaced unit standard 15594.
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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
Review	2	22 October 2020	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>.