

Title	Describe the environmental implications of applying nutrients and associated activities		
Level	3	Credits	2

Purpose	People credited for this unit standard are able to describe: environmental risks resulting from nutrients and nutrient application, and strategies to mitigate against environmental risks; and environmental implications resulting from associated activities other than actual application of nutrients, and strategies to mitigate environmental risks.
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Classification	Agriculture > General Agriculture
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Available grade	Achieved
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Guidance Information

Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Hazardous Substances and New Organisms Act 1996;
- Health and Safety at Work Act 2015;
- Land Transport Act 1998;
- Resource Management Act 1991;
- The *Spreadmark Code of Practice*, available from [Groundspread NZ](#).

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

Refer to *The Spreadmark Code of Practice* for acceptable use of industry specific terms, unless stated otherwise. For information on the use and content of *The Spreadmark Code of Practice*, contact Groundspread NZ.

Outcomes and performance criteria

Outcome 1

Describe environmental risks resulting from nutrients and nutrient application, and strategies to mitigate against environmental risks.

Performance criteria

- 1.1 Describe environmental risks resulting from nutrient leaching.

- 1.2 Describe environmental risks resulting from contamination of surface water.
- Range risks include but are not limited to – nutrient run-off, direct application of nutrients.
- 1.3 Describe environmental implications resulting from nutrient application caused by wind drift.
- 1.4 Describe environmental implications resulting from nutrient application in terms of social and third-party effects.
- 1.5 Describe strategies to mitigate environmental risks resulting from nutrients and nutrient application.
- Range risks include but are not limited to – leaching, contamination of surface water, wind drift, social and third-party effects; evidence of one strategy for each risk is required.

Outcome 2

Describe environmental implications resulting from associated activities other than actual application of nutrients, and strategies to mitigate environmental risks.

Performance criteria

- 2.1 Describe environmental implications occurring during nutrient transportation.
- Range implications include but are not limited to – over-loading, exposed loads.
- 2.2 Describe environmental implications occurring at nutrient-loading sites.
- 2.3 Describe environmental implications occurring during washing down nutrient-application vehicles.
- 2.4 Describe strategies to mitigate environmental risks resulting from associated activities other than nutrient application.
- Range risks include but are not limited to – nutrient transportation, nutrient loading, washing down nutrient-application vehicles; evidence of one strategy for each risk is required.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 April 2002	31 December 2023
Review	2	20 May 2008	31 December 2023
Review	3	24 February 2022	31 December 2026
Review	4	28 September 2023	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 if you wish to suggest changes to the content of this unit standard.