

Describe the environmental implications of spreading fertiliser and associated activities

Level 3

Credits 2

Purpose People credited with this unit standard are able to describe environmental problems resulting from: fertiliser spreading, and prevention strategies; and activities other than actual spreading of fertiliser, and prevention strategies, in accordance with the RMA.

Subfield Agriculture

Domain General Agriculture

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0052

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

1 References

The Spreadmark Code of Practice. Refer to this document for acceptable use of industry specific terms, unless stated otherwise. *The Spreadmark Code of Practice* is updated regularly and is available from Federated Farmers, PO Box 414, Ashburton.

Best management practices refer to the practices described in the *Code of Practice for Nutrient Management*, New Zealand Fertiliser Manufacturer's Research Association Incorporated (NZFMRA), 2007, available from <http://www.fertresearch.org.nz>.

- 2 Legislation relevant to this unit standard includes but is not limited to the – Agricultural Compounds and Veterinary Medicines Act 1997, Hazardous Substances and New Organisms Act 1996, Health and Safety in Employment Act 1992, Land Transport Act 1998, Resource Management Act 1991 (RMA), and their subsequent amendments.

Elements and performance criteria

Element 1

Describe environmental problems resulting from fertilisers, and fertiliser spreading, and prevention strategies in accordance with the RMA.

Performance criteria

- 1.1 Environmental problems are described in terms of those resulting from nutrient leaching; including but not limited to nitrates.
- 1.2 Environmental problems are described in terms of those resulting from contamination of surface water.
- Range from – fertiliser run-off, direct application of fertiliser.
- 1.3 Environmental problems resulting from fertiliser spreading are described in terms of those caused by wind drift.
- 1.4 Environmental problems resulting from fertiliser spreading are described in terms of social and third party effects.
- 1.5 Environmental problems resulting from fertiliser spreading are described in terms of prevention strategies, or strategies to control or reduce the problem.
- Range leaching, contamination of surface water, wind drift, social and third party effects.

Element 2

Describe environmental problems resulting from activities other than actual spreading of fertiliser, and prevention strategies in accordance with the RMA.

Performance criteria

- 2.1 Environmental problems are described in terms of those occurring during transportation.
- Range over-loading, exposed loads.
- 2.2 Environmental problems are described in terms of those occurring at loading sites.

- 2.3 Environmental problems are described in terms of those occurring during washing down spreader vehicles.
- 2.4 Environmental problems resulting from activities other than fertiliser spreading are described in terms of prevention strategies, or strategies to control or reduce the problem in accordance with best management practices.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.