

Title	Describe turf systems and a fertiliser programme, and review and modify fertiliser applications for a turf area		
Level	4	Credits	12

Purpose	<p>This unit standard is for people working in a sports turf or amenity turf context.</p> <p>People credited with this unit standard are able to: describe turf systems and a fertiliser programme for a turf area; and review and modify fertiliser applications for a selected turf area.</p>
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Classification	Sports Turf > Sports Turf Management
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Hazardous Substances and New Organisms Act 1996;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - and any subsequent amendments.
- 2 Definition

Workplace procedures – the procedures and standards set down by the client or employing organisation for the fertiliser programme. Workplace procedures should reflect equipment manufacturer’s requirements, territorial and local authority bylaws for nutrient inputs, current legislation.
- 3 Reference

Code of Practice for Nutrient Management, The Fertiliser Association of New Zealand, 2013, available from <http://www.fertiliser.org.nz>.
- 4 For the purposes of assessment:
 - evidence must be presented in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe turf systems and a fertiliser programme for a turf area.

Performance criteria

- 1.1 Describe turf systems in terms of the mechanisms of nutrient loss.
- Range evidence of at least five mechanisms of nutrient loss is required.
- 1.2 Describe turf systems in terms of the mechanisms of nutrient availability.
- Range evidence of at least five mechanisms of nutrient availability is required.
- 1.3 Describe turf in terms of the effect of environmental and management factors on annual nutrient requirements.
- 1.4 Describe a fertiliser programme for a selected turf area in accordance with soil test results and other site-specific information.
- Range site-specific information includes but is not limited to – requirements of the sport, clippings removal, wear, traffic, turf species, drainage, growing media, disease susceptibility, length of growing season, budget constraints.

Outcome 2

Review and modify fertiliser applications for a selected turf area.

Performance criteria

- 2.1 Review physical fertiliser applications for a selected turf area in terms of quantity, uniformity, placement, and timing.
- 2.2 Modify physical fertiliser applications in response to the review and in accordance with weather conditions.
- Range physical applications may include – calculations, calibration, proof of placement.
- 2.3 Review turf response to fertiliser applications for a selected turf area.
- Range turf response may include – colour, vigour, growth rate, density, root depth, disease.
- 2.4 Modify fertiliser applications in terms of kg/ha of nutrient and fertiliser necessary to meet nutrient requirements and adjust to include corrective quantities.

Replacement information	This unit standard replaced unit standard 25112.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 June 2021	N/A

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>.

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.