

Title	Calculate fertiliser requirements, and apply fertiliser to a sports turf area		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to calculate the fertiliser requirements for a sports turf area and apply fertiliser to a sports turf area.
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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 standards includes but is not limited to:
 - Health and Safety at Work Act 2015.
- 2 Definition

Workplace procedures – the procedures and standards set by the client or employing organisation for fertiliser application and maintenance of the fertiliser applicator. Workplace procedures should reflect equipment manufacturer’s requirements, and current legislation.
- 3 For the purposes of assessment:
 - evidence must be presented in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Calculate the fertiliser requirements for a sports turf area.

Performance criteria

- 1.1 Measure and calculate the sports turf area to be fertilised.
- 1.2 Calculate the amount of fertiliser for the selected area in accordance with the requirements of a predetermined fertiliser programme.

Outcome 2

Apply fertiliser to a sports turf area.

Performance criteria

- 2.1 Select the fertiliser applicator and calibrate it to obtain uniform coverage at the calculated rate.

Range at least one fertiliser application method which may include but is not limited to – pedestrian spreaders, tractor-mounted spreaders, boom sprayers, ejectors.
- 2.2 Identify and report any damage, wear, or malfunctions of the fertiliser applicator.
- 2.3 Load the specified fertiliser.
- 2.4 Assess weather conditions prior to application in terms of temperature, sunlight, rainfall, and irrigation.
- 2.5 Assess soil moisture status and turf conditions in terms of suitability for fertiliser application.

Range at least four of – requirement for fertiliser, waterlogging, surface firmness, disease potential, time of year.
- 2.6 Distribute fertiliser evenly at the specified rate, with minimal overlap and no coverage gaps.
- 2.7 Follow post-application procedures.

Range irrigation, recording fertiliser application details, washdown procedures.

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	4 August 1995	31 December 2019
Revision	2	4 August 1995	31 December 2019
Revision	3	16 September 1996	31 December 2019
Revision	4	10 December 1997	31 December 2019
Revision	5	8 June 1999	31 December 2019
Review	6	15 December 2000	31 December 2019
Revision	7	12 January 2006	31 December 2019
Review	8	17 October 2008	31 December 2019
Review	9	25 January 2018	31 December 2023
Review	10	24 June 2021	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 the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.