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| <b>Title</b> | <b>Assess soil, and plan a fertiliser programme for turf use</b> |                |           |
| <b>Level</b> | <b>4</b>   | <b>Credits</b> | <b>10</b> |

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| <b>Purpose</b> | <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 assess soil nutrient status of a selected turf area, and plan an annual fertiliser programme for a selected turf area.</p> |
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| <b>Classification</b> | Sports Turf > Sports Turf Management |
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| <b>Available grade</b> | Achieved |
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### Guidance Information

- 1 Performance criteria must be consistent with all relevant procedures, bylaws, and legislation (and their subsequent amendments) which include but are not limited to:
  - Workplace procedures
  - Territorial and local authority bylaws for nutrient inputs
  - Health and Safety at Work Act 2015
  - Resource Management Act 1991
  - Hazardous Substances and New Organisms Act 1996.
- 2 Definition  
*Workplace procedures* – the procedures and standards set down by the client or employing organisation for the fertiliser programme.
- 3 Reference  
*Code of Practice for Nutrient Management*, The Fertiliser Association of New Zealand, 2013, available from <http://www.fertiliser.org.nz>.

### Outcomes and performance criteria

#### Outcome 1

Assess soil nutrient status of a selected turf area.

#### Performance criteria

- 1.1 Sample the turf area for soil nutrient analysis in accordance with quality certified soil testing laboratory instructions.
- 1.2 Package, label, and dispatch the sample to a quality certified soil testing laboratory in accordance with laboratory requirements.

- 1.3 Assess soil nutrient status of a selected turf area in terms of optimum nutrient ratios and levels for turf species.
- 1.4 Identify soil nutrient deficiencies or excesses in accordance with analysis of laboratory results.
- 1.5 Assess soil testing process and soil test interpretation in terms of their limitations.

**Outcome 2**

Plan an annual fertiliser programme for a selected turf area.

**Performance criteria**

- 2.1 Plan an annual fertiliser programme for a selected turf area in accordance with soil test results and other site-specific information.

Range site specific information – requirements of the sport, clippings removal, wear/traffic, turf species, drainage, growing media, disease susceptibility, length of growing season, budget constraints.

- 2.2 Plan an annual fertiliser programme in terms of kg/ha of nutrient and fertiliser necessary to meet nutrient requirements, and adjust to include corrective quantities.

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| <b>Replacement information</b> | This unit standard was replaced by unit standard 32748.<br>This unit standard and unit standard 25111 replaced unit standard 1162. |
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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       | 17 October 2008 | 31 December 2019         |
| Review       | 2       | 25 January 2018 | 31 December 2023         |
| Review       | 3       | 24 June 2021    | 31 December 2023         |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0052 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.