

Title	Plan and implement control programmes for turf diseases on a sports turf site, and evaluate control procedures		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to, on a sports turf site: plan and implement turf disease control programmes; and evaluate turf disease control procedures for effectiveness of control.
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Classification	Sports Turf > Sports Turf Weeds and Pests
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - NZS 8409:2004 *Management of agrichemicals*; and any subsequent amendments.
- 2 Definitions

Physical environment – the components that support life, such as air, water, climate, plants and animals.

Workplace procedures – the procedures and standards set by the client or employing organisation for methods to evaluate effectiveness of the turf disease control programme. 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

Plan and implement turf disease control programmes on a sports turf site.

Range diseases may include but are not limited to – brown patch, yellow patch, fusarium patch, leaf spots including melting out and *Curvularia* and *Drechslera*, dollar spot, red thread and pink patch, seed rot and damping off including *Rhizoctonia* and *Pythium* spp., take all patch, anthracnose, rust, persistent disease, yellow tuft, fairy ring, thatch collapse, superficial basidiomycetes, *Sclerotinia minor*, Rolf's disease, *Phytophthora cryptogea*, white patch, summer spotting disease, gold bracelet disease, winter pythium patch, spring dead-spot; evidence of at least three diseases is required.

Performance criteria

- 1.1 Identify and select diseases for control in accordance with results of an assessment of the disease population.
- 1.2 Evaluate turf disease control options in terms of an integrated disease management approach.

Range regulatory, biological, genetic, cultural, physical, chemical.
- 1.3 Select and implement suitable methods for controlling the diseases in terms of their effect on the physical environment, and turf use.

Range methods may include – regulatory, biological, genetic, cultural, physical, cultural, chemical;
if chemical control is selected for all diseases then at least two different products are required.

Outcome 2

Evaluate turf disease control procedures for effectiveness of control on a sports turf site.

Performance criteria

- 2.1 Evaluate the effectiveness of methods used in the control programme in accordance with standard population analysis methodology.
- 2.2 Evaluate results of the control programme to confirm or to identify necessary changes to achieve level of effectiveness required.

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 2015
Revision	2	4 August 1995	31 December 2015
Revision	3	16 September 1996	31 December 2015
Revision	4	10 December 1997	31 December 2015
Revision	5	8 June 1999	31 December 2015
Review	6	15 December 2000	31 December 2015
Revision	7	12 January 2006	31 December 2015
Review	8	17 October 2008	31 December 2015
Review	9	18 August 2011	31 December 2015
Rollover	10	20 June 2013	31 December 2015
Rollover	11	17 September 2015	31 December 2019
Review	12	25 January 2018	31 December 2023
Review	13	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.