

Title	Demonstrate knowledge of common turf diseases and disorders		
Level	3	Credits	5

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: distinguish symptoms of turf diseases and major turf disorders; identify the presence of a common disease of turf grasses and <i>Leptinella</i> species; and identify and describe the signs and symptoms of common diseases of turf grasses and <i>Leptinella</i> species, and environmental factors that contribute to disease opportunity.</p>
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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

None.

Outcomes and performance criteria

Outcome 1

Distinguish symptoms of turf diseases and major turf disorders.

Performance criteria

1.1 Distinguish symptoms of turf diseases from major turf disorders in terms of their features.

Range at least four turf disorders from – presence of fuel and oil spills, fertiliser damage, dry patch, presence of animal urine, physical plant injury, frost damage; diseases – infectious, non-infectious.

Outcome 2

Identify the presence of a common disease of turf grasses and *Leptinella* species.

Performance criteria

2.1 Identify the presence of a disease of turf by its signs and symptoms.

Range at least one of – mycelium, hyphae, fruiting body, sclerotia, lesion, pustule, water-soaked, blight, chlorosis, leaf tip dieback.

Outcome 3

Identify and describe the signs and symptoms of common diseases of turf grasses and *Leptinella* species, and environmental factors that contribute to disease opportunity.

Range at least five of – 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.*, takeall 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.

Performance criteria

3.1 Identify and describe common turf diseases by their visible signs and symptoms.

3.2 Describe common turf diseases in terms of the environmental factors that contribute to disease opportunity.

Range environmental factors – temperature, light, humidity, soil moisture, leaf wetness, thatch, soil pH, soil microorganisms, susceptible hosts.

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 2013
Revision	2	4 August 1995	31 December 2013
Revision	3	16 September 1996	31 December 2013
Revision	4	10 December 1997	31 December 2013
Revision	5	8 June 1999	31 December 2013
Review	6	15 December 2000	31 December 2013
Revision	7	12 January 2006	31 December 2013
Review	8	17 October 2008	31 December 2015
Review	9	18 August 2011	31 December 2015
Rollover	10	17 October 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 Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.