

Title	Demonstrate understanding of weeds, pests, diseases, and disorders of amenity turf areas		
Level	3	Credits	10

Purpose	<p>This unit standard is for people working or intending to work in the amenity turf industry.</p> <p>People credited with this unit standard are able to: identify weed groups found in amenity turf areas, and describe the typical effects of weeds on amenity turf; describe indicators of common amenity turf diseases and disorders; describe symptoms of common amenity turf pest damage in turf; and describe methods of prevention and/or control of amenity turf pests, diseases, and weeds.</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

Definition

In the context of this unit standard, *understanding* means that there should be evidence of a learner’s thorough comprehension of a topic. A learner with a good understanding of a topic should have applied, or should be able to apply what they have learnt to a workplace situation and will be able to alter their practices to the different contexts they are applying their learning to. Assessors should be confident that the learner’s understanding is embedded in their practices and behaviour.

Outcomes and performance criteria

Outcome 1

Identify weed groups found in amenity turf areas, and describe the typical effects of weeds on amenity turf.

Range evidence is required for at least 10 weeds, which must include examples from each of the following weed groups – grass weeds, broadleaf weeds, mosses.

Performance criteria

1.1 Identify weeds by common name and weed group.

- 1.2 Describe weeds in terms of their adaptation methods to survive in turf.
- Range competitive ability, seeds, bulbs, stolons, rhizomes, roots or root segments, moisture conservation.
- 1.3 Describe methods of weed spread in terms of weed characteristics, environmental effects, cultural effects, and the effects of soil conditions.
- 1.4 Describe weeds in terms of their detrimental effects on amenity turf areas.
- Range evidence is required for at least three detrimental effects.

Outcome 2

Demonstrate understanding of indicators of common amenity turf diseases and disorders.

Performance criteria

- 2.1 Distinguish amenity turf disease indicators from major turf disorder indicators in terms of their signs.
- Range turf disorders include but are not limited to – fuel and oil spills, fertiliser damage, dry patch, animal urine, physical plant injury.
- 2.2 Describe common amenity turf disease occurrence in terms of the effects of environmental factors.
- 2.3 Describe common amenity turf diseases in terms of their typical indicators.
- Range evidence is required for at least three diseases and at least one disease indicator for each disease – mycelium, fruiting body, sclerotia lesion, pustule, water-soaked, blight, chlorosis.

Outcome 3

Demonstrate understanding of symptoms of common amenity turf pest damage in turf.

Performance criteria

- 3.1 Distinguish common amenity turf pest damage symptoms from amenity turf disorders and diseases in terms of the signs.
- 3.2 Describe common amenity turf pest occurrence in terms of the effects of environmental factors.
- 3.3 Describe common amenity turf pests in terms of their typical indicators.
- Range at least three common turf pests from – New Zealand grass grub, porina, black beetle, sod webworm, Tasmanian grass grub, Argentine stem weevil, black field cricket, nematodes, ants, earthworms, cotula weevil, mealy bug, greasy cutworm.

Outcome 4

Demonstrate understanding of methods of prevention and/or control of amenity turf pests, diseases, and weeds.

Range prevention and/or control methods – cultural, biological, chemical.

Performance criteria

- 4.1 Describe an amenity turf pest in terms of prevention and/or control methods.
- 4.2 Describe an amenity turf disease in terms of prevention and/or control methods.
- 4.3 Describe an amenity turf weed in terms of prevention and/or control methods.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 December 2003	31 December 2015
Revision	2	12 January 2006	31 December 2015
Review	3	17 October 2008	31 December 2015
Review	4	18 August 2011	31 December 2015
Rollover	5	20 June 2013	31 December 2015
Rollover	6	17 September 2015	31 December 2019
Review	7	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0037
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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 Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.