

Title	Demonstrate knowledge of and monitor common turf pests, and identify damage threshold following monitoring		
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: demonstrate knowledge of common pests of turf grasses and <i>Leptinella</i> species in New Zealand, the damage they cause, and their life cycles; and monitor turf pests and identify damage threshold for turf following pest population monitoring.</p>
----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Classification	Sports Turf > Sports Turf Weeds and Pests
-----------------------	-------------------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Definition

Workplace procedures – policies and procedures on safety and operation, and guidelines set down by the employer, host organisation for monitoring tur pests. 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

Demonstrate knowledge of common pests of turf grasses and *Leptinella* species in New Zealand, the damage they cause, and their life cycles.

Range a minimum of four pests from the following – 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.

Performance criteria

- 1.1 Identify turf pests by observation of symptoms and/or visual examination of pests.
- 1.2 Describe pest damage in terms of the signs and symptoms which occur on turf.
- 1.3 Describe pest life cycles in terms of the host species, mode of feeding, growth pattern, damaging stage, and timing of turf damage.

Outcome 2

Monitor turf pests and identify damage threshold for turf following pest population monitoring.

Performance criteria

- 2.1 Identify and describe methods of pest detection in terms of their relevance to turf.
 - Range at least three methods from – light traps, pyrethrum, detergents, boards, soil sampling.
- 2.2 Monitor a pest population.
 - Range one of – light trap, pyrethrum, detergents, boards, soil sampling.
- 2.3 Identify damage threshold for turf following pest population monitoring.

Planned review date	31 December 2025
----------------------------	------------------

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.