

Title	Describe turf botany and identify common turf plants		
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: describe turf grass reproduction and identification, turf growth and development, and the advantages and disadvantages of turf species for sports turf use; and identify common turf plants.</p>
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Classification	Sports Turf > Sports Turf Management
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Available grade	Achieved
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Guidance Information

References

Information on the *International Code of Botanical Nomenclature (ICBN)* is available at - <https://biocyclopedia.com/index/icbn.php>.

Information on the *International Code of Nomenclature for Cultivated Plants (ICNCP)*, also known as the *Cultivate Plant Code*, is available at - https://www.actahort.org/chronica/pdf/sh_10.pdf.

Outcomes and performance criteria

Outcome 1

Describe turf grass reproduction and identification, turf growth and development, and the advantages and disadvantages of turf species for sports turf use.

Performance criteria

1.1 Describe turf grasses in terms of their photosynthetic pathway.

Range cool season grasses, warm season grasses.

1.2 Describe the effect of the environment and management factors in terms of turf plant growth and development.

Range environment and management factors – light intensity and composition, day length, temperature, mowing, nutrition; plant growth and development includes but is not limited to – tillering, leaf extension, shoot and leaf death, root development.

- 1.3 Describe turf species in terms of their advantages and disadvantages for sports turf use.

Range at least two of the following sports turf species – browntop, creeping bentgrass, Chewings fescue, red fescue, hard fescue, tall fescue, Kentucky bluegrass, *Poa annua*, perennial ryegrass, Cynodon species, Kikuyu, buffalo grass, carpet grass, seashore paspalum.

Outcome 2

Identify common turf plants.

Range evidence of at least three turf plants is required.

Performance criteria

- 2.1 Identify turf plants in terms of their features.

Range features may include – crown, petiole, node, ligule, auricle, collar, leaf blade, leaf sheath, stolon, tiller, rhizome, primary and secondary roots.

- 2.2 Identify turf plants in terms of their vegetative characteristics.

- 2.3 Identify turf plant names in accordance with the International Code of Botanical Nomenclature (ICBN) and the International Code of Nomenclature for Cultivated Plants (ICNCP).

Range common name, botanical name.

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