

## Field Agriculture, Forestry and Fisheries

### Review of *Sports Turf* unit standards

Subfield	Domain	ID
Sports Turf	Sports Turf Construction and Drainage	1155, 1156, 1164, 4277, 4278, 17955, 21451
	Sports Turf Management	1150-1154, 1157, 1163, 1170-1172, 17211, 17212, 20531, 20533, 21446, 21447, 21622, 23562, 23563, 25111, 25112, 30042, 30043, 30590-30592, 30767, 31072
	Sports Turf Weeds and Pests	1158-1160, 1167-1169

The Primary ITO has completed the review of the unit standards listed above.

**Date new versions published**

**June 2021**

**Planned review date**

**December 2025**

#### Summary

Key industry stakeholders involved with the sports turf industry and consent to assess holders who collectively made up the External Working Group (EWG) met by skype in a series of phone discussions between September and November 2020. Unit standards were discussed, and changes recommended to ensure current industry requirements were met. New unit standards were identified to meet gaps.

Unit standards were sent out for stakeholder consultation to consent to assess holders and the wider industry in February 2021 by online survey. Feedback was considered by the Working Group and incorporated where relevant.

Further discussions with the wider primary sector were carried out in March and April to determine the suitability of sports turf unit standards for use across the wider primary industry. Feedback confirmed that one sports turf unit standard was suitable for wider primary industry use and was reclassified.

#### Main changes

- All unit standards were updated to meet current template requirements.
- 13 unit standards were designated expiring and will not be replaced (Category D) as they are no longer required.
- Six new unit standards were developed to meet specific industry requirements.
- The content of seven unit standards changed significantly. These were designated expiring and replaced (Category C) with six new unit standards.
- 21 unit standards were updated to meet current industry requirements.
- Title of several standards were amended to reflect content.
- Credit for some unit standards were increased to better reflect the time to learn and assess against the requirements of the unit standard.
- Unit standard 1171 was reclassified from *Sports Turf Management* to *Primary Sector Resources Management* domain to enable wider use across the primary sectors.

**Category C and D unit standards will expire at the end of December 2023**

**The last date for assessment of superseded versions of Category B unit standards is December 2023**

## Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Sports Turf	7	Unit standard	1171	4
Standard	1151	4	Standard	32744	4
Standard	25111	3	Standard	32747	3
Standard	25112	4	Standard	32748	4

## Impact on Consent and Moderation Requirements (CMR)

Unit standards covered in CMR 0037 were moved to CMR 0052.

## Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Agriculture, Forestry and Fisheries > Sports Turf > Sports Turf Construction and Drainage

ID	Title	Level	Credit	Review Category
1155	Survey a sports turf area	4	5	B
1156	Demonstrate understanding of, and install, drainage in a sports turf area <b>Demonstrate knowledge of, and install, drainage in a sports turf area</b>	4	5	B
1164	Establish a sports turf surface	4	10	B
4277	Investigate sources of irrigation water and its management in a sports turf environment	6	10	D
4278	Research and design a sports turf drainage system	7	15	D
17955	Demonstrate understanding of methods of upgrading sports turf root zones <b>Demonstrate knowledge of methods of upgrading sports turf root zones</b>	4	7 10	B
21451	Research and evaluate design requirements for sports turf irrigation systems	6	15	D
<b>32737</b>	<b>Demonstrate knowledge of irrigation systems used in sports turf, water sources and permit regulations</b>	<b>3</b>	<b>5</b>	<b>New</b>

### Agriculture, Forestry and Fisheries > Sports Turf > Sports Turf Management

### Agriculture, Forestry and Fisheries > **Primary Sector > Primary Sector Resources Management**

ID	Title	Level	Credit	Review Category
1171	Supervise staff working on sports turf facilities <b>Supervise and provide instruction to staff working in a primary industry operation</b>	4	10	B

Agriculture, Forestry and Fisheries > Sports Turf > Sports Turf Management

ID	Title	Level	Credit	Review Category
1150	Demonstrate understanding of the structure and organisation of the New Zealand sports turf industry	2	5	D
1151	Demonstrate understanding of the characteristics and requirements of sports turf surfaces	4	10	C
<b>32744</b>	<b>Demonstrate knowledge of the desirable playing surface characteristics and requirements of natural sports turf surfaces</b>	<b>4</b>	<b>12</b>	
1152	Demonstrate understanding of turf botany <b>Describe turf botany and identify common turf plants</b>	3	5	B
1153	Select, set up, and operate specialist sports turf machinery and equipment	4	10	C
<b>32745</b>	<b>Describe, select, set up, and operate specialist sports turf machinery and equipment, and small engines</b>	<b>4</b>	<b>10</b>	
1154	Demonstrate understanding of trees and shrubs used for turf areas	2	5	D
1157	Demonstrate understanding of sports turf soil water management <b>Demonstrate knowledge of sports turf soil water management</b>	3	5	B
1163	Calculate fertiliser requirements, and apply fertiliser to a sports turf area	3	5	B
1170	Compare maintenance requirements for major sports turf surfaces, and maintain a sports turf surface	4	20	C
<b>32746</b>	<b>Develop and document an integrated annual maintenance plan for a sports turf surface</b>	<b>4</b>	<b>15</b>	
1172	Prepare and present a budget for turf operations	4	20	D
17211	Demonstrate understanding of the maintenance of cricket blocks	3	5	D
17212	Demonstrate understanding of the maintenance of a bowling green	3	5	D
20531	Use and care for amenity turf maintenance tools and small equipment	3	6	D
20533	Select and prepare specialist mower types, mow turf areas, and complete post-mowing requirements	3	10	B
21446	Prepare a feasibility study and report for a sports turf development or redevelopment <b>Prepare a feasibility study for a sports turf development or redevelopment</b>	6	25	B
21447	Prepare a sports turf facility to host a major event, and complete post-event evaluation	6	20	D
21622	Demonstrate understanding of the maintenance of a sportsfield	3	5	D
23562	Prepare a cricket pitch for play, and carry out post-match cricket pitch repairs	4	10	D
23563	Renovate a cricket block	4	8	D
25111	Demonstrate understanding of nutrients and fertilisers for turf	3	5	C
<b>32747</b>	<b>Demonstrate knowledge of sports turf growth, sports turf fertilisers, and soil nutrient testing</b>	<b>3</b>	<b>5</b>	

ID	Title	Level	Credit	Review Category
25112 <b>32748</b>	Assess soil, and plan a fertiliser programme for turf use <b>Describe turf systems and a fertiliser programme, and review and modify fertiliser applications for a turf area</b>	4 <b>4</b>	10 <b>12</b>	C
30042	Demonstrate understanding of the maintenance requirements of synthetic turf <b>Describe the maintenance requirements of synthetic turf used for sporting or recreational activities</b>	2	1	B
30043	Demonstrate understanding of playing performance standards, and carry out routine maintenance of synthetic sports turf <b>Demonstrate knowledge of playing performance standards, and carry out routine maintenance of synthetic sports turf</b>	3	4	B
30590	Apply contract and procurement management to a sports turf project <b>Apply contract and procurement management for a sports turf project</b>	6	20	B
30591	Demonstrate understanding of, and operate, adjust, and maintain, a sports turf irrigation system	3	8	C
30592 <b>32743</b>	Demonstrate understanding of the principles of sports turf irrigation system design and installation <b>Describe sports turf irrigation system installation and repair, and operate, adjust, and maintain the irrigation system</b>	4 <b>4</b>	2 <b>10</b>	C
30767	Demonstrate understanding of turf species response to mowing and mowing equipment, and mow sports turf areas <b>Demonstrate knowledge of turf species response to mowing and mowing equipment, and mow sports turf areas</b>	3	5	B
31072	Research and report on a sports turf management initiative	6	20	B
<b>32739</b>	<b>Maintain established sports turf and prepare sports turf surfaces for play</b>	<b>3</b>	<b>5</b>	<b>New</b>
<b>32740</b>	<b>Determine and allocate costs for an activity within a sports turf entity, prepare a budget, and justify recommendations</b>	<b>4</b>	<b>10</b>	<b>New</b>
<b>32741</b>	<b>Demonstrate knowledge of soil properties and their effect on turf plant growth in sports turf situations</b>	<b>4</b>	<b>10</b>	<b>New</b>
<b>32742</b>	<b>Demonstrate knowledge of the types and uses of artificial surfaces used by sport</b>	<b>4</b>	<b>5</b>	<b>New</b>

Agriculture, Forestry and Fisheries > Sports Turf > Sports Turf Weeds and Pests

ID	Title	Level	Credit	Review Category
1158	Identify and monitor common turf pests <b>Demonstrate knowledge of and monitor common turf pests, and identify damage threshold following monitoring</b>	3	5	B
1159	Identify common turf weeds <b>Demonstrate knowledge of common turf weeds, moss, and algae</b>	3	5	B

ID	Title	Level	Credit	Review Category
1160	Identify common turf diseases and disorders <b>Demonstrate knowledge of common turf diseases and disorders</b>	3	5	B
1167	Control common turf pests on a sports turf site <b>Plan and implement control programmes for turf pests on a sports turf site, and evaluate control procedures</b>	4	7 10	B
1168	Control common turf weeds on a sports turf site <b>Plan and implement control programmes for turf weeds on a sports turf site, and evaluate control procedures</b>	4	7 10	B
1169	Control common turf diseases on a sports turf site <b>Plan and implement control programmes for turf diseases on a sports turf site, and evaluate control procedures</b>	4	7 10	B
32736	<b>Interpret label information and apply agrichemicals to sports turf using a knapsack sprayer</b>	3	5	New