

## National Certificate in Sports Turf Management (Level 4)

**Level** 4

**Credits** 223

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2020.

### Transition Arrangements

This qualification was republished in January 2018 to extend the last date for enrolment from 31 December 2017 to 31 December 2018 and the last date for assessment from 31 December 2018 to 2020.

This qualification has been reviewed and replaced by the New Zealand Certificate in Horticulture Services (Level 4) with strands in Amenity, Arboriculture, Cemetery, Landscape Design, Landscape Construction, and Sports Turf [Ref: 2674].

The last date for entry into training programmes for this qualification is 31 December 2018. The last date of assessment for this qualification is 31 December 2020.

People currently working towards achievement of this qualification may either complete the requirements for this qualification or transfer their results to the replacement.

Any person who feels disadvantaged by these transition arrangements should contact Primary ITO at the address below.

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
14	22174, 22175
823	21560, 21563
1162	25111, 25112
5059	21554
5060, 5064	21564
5066	21558
19043	24552

This qualification contains a classification that replaced an earlier classification. For the purposes of this qualification, people who have gained credit for standards in the expiring classification may continue to use those credits to meet the qualification requirements.

Standards from	Are treated as Standards from
Engineering and Technology > Highway Construction and Maintenance > Temporary Traffic Control	Engineering and Technology > Highway Construction and Maintenance > Temporary Traffic Management

### Reverse transition

Reverse transition has been included to allow candidates to complete the qualification using the expiring standards or replacement standards.

Version 7 of this qualification contains standards that are expiring. For the purposes of this qualification, people who have gained credit for the replacement standards are exempt from the requirement to gain credit for the expiring standards – see table below.

Credit for	Exempt from
27207, 27208	1158, 1160
27210	1159
27213	21554
27215	21564

### NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	September 1996	December 2004
Revision	2	December 1999	December 2004
Review	3	March 2001	December 2007
Revision	4	November 2003	December 2009
Revision	5	January 2006	June 2013
Review	6	January 2009	December 2015
Revision	7	May 2010	December 2020
Republished	7	October 2013	December 2020
Review	8	May 2015	December 2020
Republication	8	January 2018	December 2020

### Standard Setting Body

Primary Industry Training Organisation  
PO Box 10383  
The Terrace  
Wellington 6143

Telephone 04 801 9616  
Facsimile 04 801 9626  
Email [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz)

## National Certificate in Sports Turf Management (Level 4)

<b>Level</b>	<b>4</b>
<b>Credits</b>	<b>223</b>

### Purpose

This qualification is designed for people working or intending to work in sports turf management at a supervisory tradesperson level in roles such as greenkeepers, turf managers, golf course trainees, school groundspeople, racecourse managers, or turf management contractors.

This qualification shares standards in common with, and provides a pathway for people who have completed, the National Certificate in Sports Turf (Introduction to Turf Care) (Level 3) [Ref: 0700].

The compulsory section includes the skills related to tractor driving and small engine maintenance; sports turf surveying, draining, and establishment; sports turf and staff management; budgeting; and identification and control of sports turf pests, weeds, diseases, and disorders. People will also have knowledge of soils and fertilisers; agrichemicals and their application; methods of upgrading sports turf root zones; sports turf surfaces; turf botany; sports turf soil water management; and mowing turf areas.

The elective section allows people to broaden their skills required in a sports turf workplace to areas such as agriculture, forestry, horticulture, pest control, generic computing, workplace health and safety, generic education and training, highway construction and maintenance, interpersonal communications, and writing. Candidates may select standards in the elective section of this qualification that can also be used to meet the requirements of the National Diploma in Sports Turf Management (Level 6) [Ref: 1272].

On completion of this qualification people who wish to obtain roles as sports turf professionals (such as managers of sports turf and amenity facilities, golf managers or golf superintendents) may wish to progress to the National Certificate in Sports Turf (Level 5) [Ref: 1558].

The Primary Industry Training Organisation supports the concept of continuing and lifelong education, and recommends people who have completed the National Certificate in Sports Turf (Level 5) [Ref: 1558] to consider progressing to the National Diploma in Sports Turf Management (Level 6) [Ref: 1272].

## Credit Range

	Compulsory	Elective
Level 1 credits	-	0-12
Level 2 credits	36	0-12
Level 3 credits	79	0-12
Level 4 or above credits	96	0-12
Minimum totals	211	12

## Requirements for Award of Qualification

### Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) Rules and Procedures publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

## Summary of Requirements

- Compulsory standards
- Elective – A minimum of 12 credits as specified

## Detailed Requirements

### Compulsory

The following standards are required

Agriculture, Forestry and Fisheries > Agriculture > Agricultural Vehicles and Machinery

ID	Title	Level	Credit
19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2
24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5

Agriculture, Forestry and Fisheries > Agriculture > General Agriculture

ID	Title	Level	Credit
19138	Monitor and interpret weather information	2	4

Agriculture, Forestry and Fisheries > Horticulture > Production Horticulture

ID	Title	Level	Credit
4	Maintain hand tools and service small engines used in horticulture	2	5

ID	Title	Level	Credit
22174	Demonstrate knowledge of soils and fertilisers	2	5
22175	Demonstrate knowledge of soil properties and their effect on plant growth	3	10

## Agriculture, Forestry and Fisheries &gt; Pest Management &gt; Pest Control

ID	Title	Level	Credit
21558	Describe calibration, and calibrate agrichemical application equipment	3	3
21560	Demonstrate knowledge of agrichemicals	3	6

## Agriculture, Forestry and Fisheries &gt; Sports Turf &gt; Sports Turf Construction and Drainage

ID	Title	Level	Credit
1155	Survey a sports turf area	3	5
1156	Drain a sports turf area	3	5
1164	Establish a turf surface	3	10
17955	Demonstrate knowledge of methods of upgrading sports turf root zones	4	7

## Agriculture, Forestry and Fisheries &gt; Sports Turf &gt; Sports Turf Management

ID	Title	Level	Credit
1151	Demonstrate knowledge of the characteristics and requirements of sports turf surfaces	2	10
1152	Demonstrate knowledge of turf botany	2	5
1153	Use sports turf machinery and equipment	3	10
1157	Demonstrate knowledge of sports turf soil water management	3	6
1161	Demonstrate knowledge of the mowing of turf areas	3	4
1163	Fertilise a sports turf area	3	5
1166	Irrigate sports turf areas	4	10
1170	Compare maintenance requirements for major sports turf surfaces, and maintain a sports turf surface	4	25
1171	Supervise staff working on sports turf facilities	4	10
1172	Prepare and present a budget for turf operations	4	15
25112	Assess soil, and plan a fertiliser programme for turf use	4	8

## Agriculture, Forestry and Fisheries &gt; Sports Turf &gt; Sports Turf Weeds and Pests

ID	Title	Level	Credit
1158	Identify and monitor common turf pests	3	5
1159	Identify common turf weeds	3	5
1160	Identify common turf diseases and disorders	3	5
1167	Control common turf pests	4	7
1168	Control common turf weeds	4	7
1169	Control common turf diseases	4	7

**Elective**

A minimum of 12 credits

## Agriculture, Forestry and Fisheries &gt; Agriculture &gt; Agricultural Vehicles and Machinery

ID	Title	Level	Credit
19047	Describe the working principles, maintenance, and servicing of petrol and diesel engines	2	2

## Agriculture, Forestry and Fisheries &gt; Horticulture &gt; Production Horticulture

ID	Title	Level	Credit
2803	Maintain a documented work record of horticultural activities	2	5

## Agriculture, Forestry and Fisheries &gt; Pest Management &gt; Pest Control

ID	Title	Level	Credit
21563	Demonstrate knowledge of the HSNO Act, and NZS 8409:2004 for the use of agrichemicals	3	5
21564	Prepare to apply, and apply, agrichemicals	3	5

## Agriculture, Forestry and Fisheries &gt; Sports Turf &gt; Sports Turf Management

ID	Title	Level	Credit
1154	Demonstrate knowledge of trees and shrubs used for turf areas	2	5
4270	Performance test a sports turf surface	6	10
4272	Appraise machinery requirements for a sports turf organisation and present a purchase proposal	6	10

## Computing and Information Technology &gt; Computing &gt; Generic Computing

ID	Title	Level	Credit
2780	Demonstrate and apply knowledge of a personal computer system	1	3

ID	Title	Level	Credit
2781	Manage and protect data in a personal computer system	2	3
2784	Create and use a computer spreadsheet to solve a problem	2	3

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
497	Demonstrate knowledge of workplace health and safety requirements	1	3

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1304	Communicate with people from other cultures	3	2
1307	Speak to a specified audience in a predictable situation	3	3

Humanities > Communication Skills > Writing

ID	Title	Level	Credit
3492	Write a short report	2	3

Field	Subfield	Domain
Agriculture, Forestry and Fisheries	Agriculture	Any
	Forestry	Any
	Horticulture	Any
	Pest Management	Any
	Rural Contracting	Any
	Sports Turf	Any
Business	Any	Any
Computing and Information Technology	Computing	Any
Core Generic	Any	Any
Education	Generic Education and Training	Assessment of Learning
Engineering and Technology	Highway Construction and Maintenance	Temporary Traffic Management
Health	Any	Any
Humanities	Communication Skills	Any
Service Sector	Service Sector Skills	Any

## Transition Arrangements

### Version 7

Version 7 was republished in order to include reverse transition arrangements to ensure candidates would not be disadvantaged when expiring standards were no longer available.

Version 7 was issued following a revision.

Changes to structure and content

- The purpose statement was updated to clarify the target group for the qualification, and to highlight possible pathways and portability of credit to other related NQF qualifications.
- Details of standards 1304, 2780 and 2784 from National Qualification Services (NZQA) were updated to reflect changes made at review.

For detailed information see [Review Summaries](#) on the NZQA website.

### Previous versions of the qualification

Version 6 was issued following a review. Changes to structure and content included: standards 19043, 14, and 1162 in the compulsory section were replaced by standards 24552, 22174 and 22175, and 25112 respectively; standard 1150 was removed from the compulsory section; standard 21554 was not listed in the qualification, but could be used to satisfy the requirements of the elective section; standards 21563 and 21564 were moved from the compulsory to the elective section; standards 497, 1154, 1304, 1307, 2780, 2781, 2784, 2803, 3492, 4270, 4272 and 19047 were added to the elective section; total qualification credits were decreased from 230 to 223.

Version 5 was issued following the reviews of reviews of temporary traffic control and agrichemical standards. Changes to structure and content included: replacement of expiring standards, standards 5062 and 14376 were removed with no direct replacements, standard 21558 was added to the compulsory, the elective credits were increased from 10 to 12. People working towards version 4 could either complete the requirements for that version or transfer their results to version 5.

Version 4 was issued following the review of agriculture and pest management standards. At the same time, the NZ Sports Turf Industry Training Organisation took the opportunity to extend the elective.

Version 3 was issued following a review of the sports turf and pest management standards.

Version 2 was issued to reflect the agriculture, horticulture and computing standard reviews.



## Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation  
 NZQA

### Certification

This certificate will display the logos of NZQA, the Primary Industry Training Organisation and the accredited organisation.

### Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
1692	Agriculture, Forestry and Fisheries > Sports Turf > Sports Turf Management	050301	Agriculture, Environmental and Related Studies > Horticulture and Viticulture > Horticulture

#### Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.