

Title	Select and prepare specialist mower types, mow turf areas, and complete post-mowing requirements		
Level	3	Credits	10

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: complete mower checks; assess the worksite and prepare the mower to meet site requirements; complete site mowing requirements; and complete post-mowing requirements.</p>
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Classification	Sports Turf > Sports Turf Management
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Available grade	Achieved
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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 – the policies and procedures set by the client or employing organisation for mowing turf areas. 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.
 - evidence may be presented in either a sports turf or amenity turf context.
- 4 Range

at least two of the following mower types – walk-behind reel, walk-behind rotary, front-mounted, mid-mounted, trailing.

Outcomes and performance criteria

Outcome 1

Complete mower checks.

Performance criteria

- 1.1 Inspect machine engine, body, and deck by visual inspection followed by audible inspection, and identify any damage, wear, faults, or unsoundness in the machine.
- Range damage, wear, faults, or unsoundness include but are not limited to – oil leaks, coolant leaks, bent or broken parts, loose or missing nuts and bolts, alignments, parts and components, couplings, tyre wear and inflation, safety devices.
- 1.2 Complete physical check of machine service parts in accordance with the manufacturer's service schedule.
- Range serviceable parts to be checked and/or serviced include but are not limited to – fluid levels including coolant, fuel, oil, and hydraulics; filters; grease points; battery condition and levels; belts and other drive wear including appropriate tension; screens and guards; condition and sharpness of blades, safety mechanisms, brakes.
- 1.3 Complete service requirements without damage to the mower, injury to the operator or danger to others, and report faults, as required, before mower is used.

Outcome 2

Assess the worksite and prepare the mower to meet site requirements.

Performance criteria

- 2.1 Evaluate site information in terms of scope of work required.
- Range site information includes but is not limited to – work and site boundaries, work specifications, required cutting heights.
- 2.2 Inspect the site in terms of ground conditions and potential hazards.
- Range ground conditions include but are not limited to – need for mowing, wetness, scalping, windrowing, volume of clippings, grass length and density;
potential hazards include but are not limited to – slopes, undulations, obstacles, stones and other debris, people, animals.
- 2.3 Adjust mower set-up to meet site and turf requirements, and without damage to the mower, injury to the operator, or danger to others.
- Range adjustments may include but are not limited to – initial adjustments of wheel, roller or skid heights before trial cut; final adjustments following assessment of trial cut height, cut evenness, cutting cleanness, other performance requirements.

Outcome 3

Complete site mowing requirements.

Performance criteria

- 3.1 Operate the mower without damage to the mower, injury to the operator, or danger to property or others.
- Range operation requirements include but are not limited to – effective and safe starting and stopping, monitoring of gauges, avoiding debris and obstructions, use of mirrors and/or peripheral vision to monitor the mowing environment, monitoring changes in mower sound or performance, compliance with enterprise health and safety policies and procedures.
- 3.2 Carry out mowing techniques in a manner which ensures mower performance is maximised.
- Range techniques include but are not limited to – forward planning of site mowing pattern, alternating cutting patterns to balance cutting action and turf nap development, controlling speed, leaving no missed strips or areas, emptying catchers before overflow, preventing damage to the turf or surrounding environment.
- 3.3 Monitor mower operation in a manner which ensures maintenance and service requirements are identified and met during mowing operations, and implemented in a safe and timely manner.
- Range maintenance and service requirements include but are not limited to – clearing grass build up, checking filters and screens, lubrication, adjusting drive systems, checking and maintaining required fuel, oil, coolant, and hydraulic fluid systems and levels, monitoring of temperature gauges.

Outcome 4

Complete post-mowing requirements.

Performance criteria

- 4.1 Check completed mowing work for compliance with site requirements.
- Range aspects of work to be checked may include but are not limited to – height of mown grass, general condition and finish of mown area, inspection for completion of enterprise checklists or reports.
- 4.2 Clean the mower ensuring cleaning debris is disposed of appropriately prior to transport or storage.
- 4.3 Complete post mowing requirements without damage to the mower, injury to the operator, or danger to others.

4.4 Maintain records of mowing operations.

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	19 December 2003	31 December 2019
Revision	2	12 January 2006	31 December 2019
Review	3	17 October 2008	31 December 2019
Review	4	25 January 2018	31 December 2023
Review	5	24 June 2021	N/A

Consent and Moderation Requirements (CMR) reference	0052
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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 the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.