

<b>Title</b>	<b>Operate a mulching machine for rural contracting</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: select and prepare machine for mulching; assess the land and prepare for the mulching operation; carry out the mulching operation; and carry out post-operational procedures.
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<b>Classification</b>	Rural Contracting > Agricultural Contracting
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation and references relevant to this unit standard include:
  - Health and Safety at Work Act 2015, available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - *Land Transport Rule – Heavy Vehicles 2004*, available from [www.nzta.govt.nz](http://www.nzta.govt.nz);
  - and all subsequent amendments and replacements.
- 3 Definitions
 

*Industry requirements* refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents.

*Mulching machine* includes the use of a wheeled or tracked machine with a mulching attachment.

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### Outcomes and performance criteria

#### Outcome 1

Select and prepare machine for mulching.

#### Performance criteria

- 1.1 Machine appropriate for the work to be carried out is selected.

- 1.2 Selected machine is checked for condition, damage, wear, and faults; problems are identified; and corrective action is taken.
- 1.3 Checks are made, actions are taken, or adjustments made to ensure the machine complies with legal requirements for operator health and safety.

## Outcome 2

Assess the land and prepare for the mulching operation.

### Performance criteria

- 2.1 Hazards are identified and controlled.
- 2.2 Ground conditions are checked for suitability of operation.
- Range soil type, soil conditions, terrain, underrunners, rocks or other obstacles.
- 2.3 Work pattern is developed that minimises empty running and plant wear and type of terrain, identified hazards, and job requirements.
- 2.4 Appropriate adjustments are made for the work to be carried out.
- Range top link adjustment, couplings, alignments, flail type.

## Outcome 3

Carry out the mulching operation.

### Performance criteria

- 3.1 Plant is monitored during use, and any required set-up adjustments are made.
- 3.2 The machine is operated and controlled within safe operating limits to suit conditions.
- Range conditions may include but are not limited to – ground, rocks or other obstacles; evidence of two conditions is required.
- 3.3 Any requirements for maintenance during operations or lubrication are carried out.
- 3.4 Operation is completed in accordance with predetermined work pattern and job requirements.

**Outcome 4**

Carry out post-operational procedures.

**Performance criteria**

- 4.1 Shut-down procedures are carried out.
- 4.2 Any damage or faults including any missing, bent, broken, or loose parts are identified and are repaired, replaced, or reported.
- 4.3 Equipment and machinery is stored.
- 4.4 Documentation for the operation is completed.

<b>Planned review date</b>	31 December 2026
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2007	31 December 2016
Review	2	16 July 2015	31 December 2023
Review	3	26 August 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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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 Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.