

<b>Title</b>	<b>Operate heavy chipping and mulching machinery for agricultural contracting</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: check and prepare heavy chipping and mulching machinery before use; operate the heavy chipping and mulching machinery; 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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<b>Prerequisites</b>	Driver licence and any driver licence endorsement appropriate to the machine or vehicle being used.
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### Guidance Information

- 1 The following legislation and requirements apply to this unit standard:  
 Health and Safety in Employment Act 1992;  
*Guidelines for the Provision of Safety, Health and Accommodation in Agriculture* (Wellington: Department of Labour, 1996); and  
*Guarding Farm Machinery – Tractor power take-offs and transmission machinery* (Wellington: Department of Labour, 1984); both available from <http://www.osh.govt.nz/order/catalogue>;  
 Manufacturer's instructions.

Other requirements applicable to this unit standard may include but are not limited to:  
*Approved Code of Practice for the Management of Noise in the Workplace* (Wellington: Department of Labour, 2002); and  
*Approved Code of Practice for Operator Protective Structures on Self-Propelled Mobile Mechanical Plant* (Wellington: Department of Labour, 1999); both available from <http://www.osh.govt.nz/order/catalogue>.

Any legislation or other requirement superseding any of the above will apply, pending review of this unit standard.

- 2 Assessment against this unit standard must be based on evidence from a workplace context.
- 3 Personal protective equipment, appropriate to job requirements, is to be selected and used in accordance with company requirements and manufacturer's instructions.

#### 4 Definitions

*Company requirements* refer to all policies, procedures, and methodologies the candidate's organisation has in place including but not limited to those relating to health, safety, environment, quality, and operations.

*Manufacturer's instructions* may include specifications, installation, handling, use, and maintenance instructions and safety data sheets.

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## Outcomes and performance criteria

### Outcome 1

Check and prepare heavy chipping and mulching machinery before use.

#### Performance criteria

1.1 Machinery is checked for condition, damage, wear, and faults; problems are identified; and corrective action is taken in accordance with manufacturer's instructions and company requirements.

Range includes but is not limited to – nuts and bolts; bearings; transmission systems; hydraulics; couplings; alignments; power take-off; wheels and tyres, or tracks; guards.

1.2 Checks are made and any necessary actions are taken or adjustments made to ensure the machinery complies with legal and company requirements for operator health and safety.

1.3 Fluid levels are inspected and adjusted in accordance with manufacturer's instructions and job requirements.

1.4 Greasing points are lubricated in accordance with manufacturer's instructions.

### Outcome 2

Operate the heavy chipping and mulching machinery.

#### Performance criteria

2.1 Safety precautions are observed at all times.

2.2 Client requirements are met for depth of stump removal and size of chip.

2.3 Material is processed causing no damage to machinery, equipment, property structures, or underground services.

2.4 Material is processed with no risk of harm to people or damage to machinery, equipment, or property structures.

- 2.5 Machinery is monitored during operation for condition, damage, wear, and faults, and is replaced, repaired and/or reported in accordance with manufacturer's instructions and company requirements

Range fluid leaks, tyre or track damage, foot brake, parking brake.

### Outcome 3

Carry out post-operational procedures.

### Performance criteria

- 3.1 Shut-down procedures are carried out in accordance with manufacturer's instructions.
- 3.2 Machinery is cleaned and, as required, treated in accordance with manufacturer's instructions and/or company requirements.
- 3.3 Lubrication is carried out in accordance with manufacturer's instructions.
- 3.4 Any damage or faults including any missing, bent, broken, or loose parts are identified and are repaired, replaced, or reported in accordance with manufacturer's instructions and/or company requirements.
- 3.5 Machinery is stored in accordance with company requirements.
- 3.6 Documentation for the operation is completed in accordance with company and client requirements, and is stored in accordance with company requirements.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1996	31 December 2021
Revision	2	5 January 1999	31 December 2021
Revision	3	18 January 2000	31 December 2021
Review	4	31 October 2002	31 December 2021
Review	5	25 June 2007	31 December 2021
Review	6	26 March 2020	31 December 2021

<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>.