

Title	Operate a mounted front-end loader unit for agricultural contracting		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: describe management of hazards associated with operating a mounted front-end loader unit for agricultural contracting; check and prepare front-end loader and mounted front-end loader unit before use; operate mounted front-end loader unit for agricultural contracting; and carry out post-operational procedures.
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Classification	Rural Contracting > Agricultural Contracting
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Available grade	Achieved
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Prerequisites	Driver licence and any driver licence endorsement appropriate to the machine or vehicle being used.
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Guidance Information

1 Legislation and references

Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Health and Safety at Work Act 2015;
- Land Transport Act 1998;
- Land Transport Rule Heavy Vehicles 2004, available from www.nzta.govt.nz;
- *Approved code of practice for roll over protective structures on tractors in agricultural operations*, available from www.worksafe.govt.nz.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Front-end loader, for the purpose of this unit standard, refers to the front-end loader attachment.

Industry requirements refers 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.

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

Mounted front-end loader unit refers to the combination of the machine or other vehicle with a mounted front-end loader.

Sloping terrain refers to terrain that exceeds 20°.

3 Range

The machine or vehicle for this unit standard may include but is not limited to a wheeled tractor, a tracked tractor, or a vehicle such as a truck.

4 Assessment information

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.

Outcomes and performance criteria

Outcome 1

Describe management of hazards associated with operating a mounted front-end loader unit for agricultural contracting.

Performance criteria

1.1 Describe hazard management.

Range hazards include but are not limited to – people, animals, visibility, terrain and obstacles, machine suitability and condition, mounting, dismounting, controls, traction, loading, machine dynamics, braking;
evidence of a minimum of six hazards is required.

Outcome 2

Check and prepare front-end loader and mounted front-end loader unit before use.

Performance criteria

2.1 Check front-end loader for compatibility and that it is attached and coupled securely, enabling full function and stability of the attachment.

2.2 Check front-end loader for condition, damage, wear, and faults.

Range includes but is not limited to – nuts and bolts, bearings, hydraulics, couplings.

2.3 Identify any problems with the front-end loader and take corrective action in accordance with manufacturer's instructions.

- 2.4 Make checks and take any necessary actions or make adjustments to ensure the mounted front-end loader unit complies with legislative and industry requirements for operator health and safety.

Range may include but is not limited to – fire extinguisher, first aid equipment, seat, safety belt, mirrors, controls, climate control, sound equipment, communications equipment.

- 2.5 Check and adjust tyre pressures for mounted front-end loader unit to support the load.

- 2.6 Inspect and adjust fluid levels for mounted front-end loader in accordance with manufacturer's instructions and job requirements.

Range includes but is not limited to – oil, water, hydraulic oil, brake fluid.

Outcome 3

Operate mounted front-end loader unit for agricultural contracting.

Performance criteria

- 3.1 Drive mounted front-end loader unit over prescribed route with no risk of harm to people or damage to unit or property structures.

- 3.2 Manoeuvre mounted front-end loader unit in a controlled manner, without excessive speed, and with particular regard to its stability.

Range driving forward, reversing, turning, on flat and sloping terrain; traversing on sloping terrain.

- 3.3 Operate mounted front-end loader unit in a safe, smooth, and stable manner with no risk of harm to people or damage to unit, other equipment, or property structures.

Range positioning; load lifting, carrying, and placement.

- 3.4 Monitor equipment and machinery during operation for condition, damage, wear, and faults, and replace, repair and/or report in accordance with manufacturer's instructions.

Outcome 4

Carry out post-operational procedures.

Performance criteria

- 4.1 Carry out shut-down procedures in accordance with manufacturer's instructions.

- 4.2 Clean and, as required and maintain equipment in accordance with manufacturer's instructions.

- 4.3 Carry out lubrication in accordance with manufacturer's instructions.
- 4.4 Identify and repair, replace, or report any damage or faults including any missing, bent, broken, or loose parts in accordance with manufacturer's instructions.
- 4.5 Store equipment and machinery and complete relevant documentation.

Planned review date	31 December 2028
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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
Revision	5	16 January 2003	31 December 2021
Review	6	25 June 2007	31 December 2021
Review	7	26 March 2020	31 December 2021
Reinstatement	8	28 September 2023	N/A

Consent and Moderation Requirements (CMR) reference	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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.