

Title	Operate a loader wagon for silage harvesting		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to: prepare for harvesting operations; operate the loader wagon to harvest silage; convey the loads to stacks and unload; 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	Unit 6255, Drive a wheel tractor towing a heavy load; or demonstrate equivalent knowledge and skills.
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Guidance Information

- 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), 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: *Guarding Farm Machinery – Tractor power take-offs and transmission machinery* (Wellington: Department of Labour, 1984); and *Approved Code of Practice for Roll Over Protective Structures on Tractors in Agricultural Operations* (Wellington: Department of Labour, 2001); and *Approved Code of Practice for the Management of Noise in the Workplace* (Wellington: Department of Labour, 2002); all 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.

- Assessment against this unit standard must be based on evidence from a workplace context.
- Personal protective equipment, appropriate for the work being carried out, is to be selected and worn in accordance with company requirements and manufacturer's instructions.

- 4 Operation of a loader wagon refers to the operation of a towed loader wagon under the control of the tractor driver during harvesting. It also includes the driving of the tractor during the operation.
- 5 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.

Outcomes and performance criteria

Outcome 1

Prepare for harvesting operations.

Performance criteria

- 1.1 Wagon selected is suitable for the harvesting operation in terms of type and configuration.
- 1.2 Wagon is checked for serviceability and functionality for the harvesting operation; any faults are reported in accordance with company requirements, and any required set-up adjustments are made in accordance with manufacturer's instructions.
- Range includes but is not limited to – power take off shaft, protection clutch, pick-up, knives, ejection system.
- 1.3 Checks are made and any necessary actions are taken or adjustments made to ensure the wagon complies with legal and company requirements for operator health and safety.
- Range may include but is not limited to – seat, safety belt, mirrors, controls, climate control, sound equipment, communications equipment.
- 1.4 Orientation to the site operations identifies hazards, access, weighbridge if required, optimum work pattern given the terrain and site layout, stack sites, offload point or points, client for the work, and operational protocols.
- Range hazards may include but are not limited to – overhead objects, slope, and low traction at offload point or points; rocks; telephone poles; power poles; hydrants; underrunners; ditches; waterways; operational protocols include but are not limited to – give way; communication and coordination regarding point of pick-up, point of delivery, and other vehicles.
- 1.5 Identified site hazards are controlled in accordance with company requirements.

Outcome 2

Operate the loader wagon to harvest silage.

Performance criteria

- 2.1 Travel is at appropriate speed for productivity but not so as to overload the harvesting system.
- 2.2 Driving avoids hazards.

Range may include but is not limited to – rocks, telephone poles, power poles, hydrants, underrunners, ditches, waterways.
- 2.3 Plant is monitored during use, and any required set-up adjustments are made in accordance with manufacturer's instructions.
- 2.4 Operational communication is maintained.

Outcome 3

Convey the loads to stacks and unload.

Performance criteria

- 3.1 Driving avoids traversing crop or windrows.
- 3.2 Driving demonstrates awareness of other traffic and coordinates with the overall operation.
- 3.3 Load is conveyed to offload stacks with no risk of damage to equipment and property structures or harm to people.
- 3.4 Vehicle is positioned and load is offloaded to achieve prescribed stack size and shape, with no risk of damage to equipment and property structures or harm to people.

Outcome 4

Carry out post-operational procedures.

Performance criteria

- 4.1 Shut-down procedures are carried out in accordance with manufacturer's instructions.
- 4.2 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.
- 4.3 Wagon is stored in accordance with company requirements.

- 4.4 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	25 June 2007	31 December 2021
Review	2	26 March 2020	31 December 2021

Consent and Moderation Requirements (CMR) reference

0101

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.