

Title	Operate a basic tractor on flat terrain under close supervision		
Level	2	Credits	3

Purpose	<p>This unit standard is for people working, or intending to work, in the primary sector.</p> <p>People credited with this unit standard are able to check a basic tractor before use; drive a basic tractor over flat terrain.</p>
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Classification	Agriculture > Agricultural Vehicles and Machinery
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Prerequisites	Unit 19044, <i>Demonstrate knowledge of the legal requirements and hazards associated with tractor use</i> , or demonstrate equivalent knowledge and skills.
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard includes but are not limited to the:
 - Health and Safety at Work Act 2015;
 - Land Transport (Driver Licensing) Rule 1999;
 - Land Transport (Road User) Rule 2004.
- 2 Definition

Close supervision refers to the operation of a basic tractor under the active supervision of a supervisor who has the knowledge and experience to ensure that the driver is safe at all times.

Workplace procedures refer to verbal and written instructions to staff on procedures for tractor maintenance, safety, and driving.
- 3 For the purposes of this unit standard, *flat terrain* is defined as class A and B land under the Land Use Capability Classification, which comprises slopes between 0 - 7° (Flat to gently undulating to undulating terrain). More detail is available from https://www.landcareresearch.co.nz/data/assets/pdf_file/0017/50048/luc_handbook.pdf.
- 4 Assessment
 - During assessment, manufacturer's recommendations and legislative requirements for the minimum age of a person driving a tractor must be complied with.
 - Tractors must be over 1000kg.

- Candidates must have evidence of a minimum of 10 hours driving a tractor in a workplace situation, over at least a three-week period, covering a range of tasks. This evidence could consist of either a driving logbook, a workplace diary, an attestation from the candidate's employer, or similar.
- Assessment should consider candidate's behaviour while operating a tractor. Behaviour is defined as a willingness to comply with, and consistent awareness of, safety requirements and workplace procedures. Examples include; wearing appropriate footwear, operating the vehicle in a manner which minimises risk to self and others, avoiding 'no go' areas, not carrying passengers, and following instructions regarding care and maintenance of vehicles.

5 References

- Information on tractor safety is available from tractor manufacturers.
- Accident Compensation Corporation www.acc.co.nz.
- Worksafe New Zealand www.worksafe.govt.nz.

Outcomes and performance criteria

Outcome 1

Check a basic tractor before use.

Performance criteria

1.1 Perform maintenance checks on the tractor.

Range checks may include but not limited to – cooling system, engine oil, hydraulic oil, fuel, greasing points, tyres, brakes, battery, loose attachments and components, bird nests, air filter, PTO guard, hydraulic hoses.

1.2 Report or fix any damage or faults to the tractor in accordance with workplace procedures.

Outcome 2

Drive a basic tractor over flat terrain.

Performance criteria

2.1 Identify tractor controls in terms of their function and colour code if applicable.

Range controls may include but not limited to – start and stop controls, gears or equivalent, brakes, power take off, hydraulic levers, differential lock, accelerator (throttle), steering adjustment, 2WD/4WD, panel display, loader controls, beacon, indicators, lights, seat controls; evidence of at least 10 controls required.

2.2 Apply controls in accordance with manufacturer's specifications.

2.3 Observe legal requirements while driving.

2.4 Drive tractor in a controlled manner at all times suitable for the conditions, minimising risk of damage to the tractor, property, and ground surfaces.

2.5 Demonstrate driving in situations with changes of surface.

Range changes of surface may include but not limited to - firm and muddy ground, loose gravel, pasture, undulating race, culvert crossings, cultivated land;
evidence of three changes of surface is required.

2.6 Park tractor and implement in a stable and safe position after operation and refuel in accordance with workplace procedures.

Replacement information	This unit standard and unit standard 31914 replaced unit standard 24552.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 October 2019	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.