

41343 Carry out pre-start checks and plan routes for an agribusiness vehicle

Kaupae Level	3
Whiwhinga Credit	3
Whāinga Purpose	This standard is intended for people who operate, or intend to operate, agribusiness vehicles in a primary industry environment. They will be able to carry out pre-start checks for a selected agribusiness vehicle and plan routes for operational activities. This skill standard is aligned to the New Zealand Certificate in Farm Skills (Level 3) [Ref: 5678].

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Carry out pre-start checks.	a. Carry out pre-start vehicle checks.
	b. Report on vehicle faults and/or maintenance requirements.
	c. Describe the escalation process for safety concerns and identify when escalation is required.
2. Plan routes for operational activities.	a. Identify factors influencing route selection for operational activities.
	b. Plan routes for operational activities, including an alternative route where conditions change.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

All activities must be carried out in accordance with workplace health and safety requirements, workplace procedures, legislative requirements, regulatory requirements, licencing requirements, and manufacturer's requirements.

Providers must give due consideration to embedding ngā kaupapa (principles) o Te Tiriti o Waitangi when designing delivery activities relevant to this standard. These principles are outlined in [Guidelines for Providers: Embedding Tirohanga Māori](#).

Providers must give due consideration to the needs and values of Pacific peoples and other cultural groups when designing delivery activities relevant to this standard, ensuring practices are inclusive and equitable.

Ākonga/Learners should be assessed against this standard in a real-life context using naturally occurring evidence. A verifier's checklist with appropriate comments confirming competency is acceptable if accompanied by evidence that includes examples from the learner's performance which may include but is not limited to – work diaries, driving logs, photographic or video evidence.

Assessment must consider the ākonga/learner's behaviour while operating an agribusiness vehicle, including compliance with safety requirements and workplace procedures.

Ākonga/learners must plan two routes and one alternative route for operational activities that account for complex riding or driving conditions and associated hazards and risks.

Definitions

Agribusiness vehicles refer to motorcycles, quad bikes, light utility vehicles and tractors designed or modified for use within a primary industry.

Behaviour refers actions demonstrating compliance with safety requirements and workplace procedures. Examples may include – wearing a helmet, operating the vehicle in a manner which minimises risk to self and others, avoiding 'no go' areas, and following instructions regarding care and maintenance of vehicles.

Complex riding or driving conditions refers to environmental and operational factors that increase the difficulty of controlling an agribusiness vehicle and require adjustments to riding technique to maintain control.

Light Utility Vehicle (LUV) (previously known as an ATVU or SPV) refers to a lightweight vehicle, principally designed for off road use, with a steering wheel and side by side seating for at least one passenger. A LUV has some or all of the following features:

- a carry tray;
- rollover protection bars;
- a minimum of four wheels;
- low pressure tyres;
- automatic transmission, differential.

Motorcycle refers to a two-wheeled motorcycle specifically manufactured or modified for rural workplace or off-road use that is fitted with knobbly tyres.

Quad bike refers to a four-wheeled vehicle, principally used in a rural workplace for off road use, that is fitted with handlebars and thumb operated throttle controls. For this standard, a quad bike excludes racing quad bikes or quad bikes modified for other purposes.

Tractor refers to a vehicle designed principally for agricultural and horticultural use, such as pushing or pulling implements or trailed equipment.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Pre-start checks**

- vehicle suitability for upcoming activity
- pre-start safety check, e.g. tyres, oil, fuel, brakes, wheels, controls, lights, electrics, fluids, carry racks, two-wheel drive and/or four-wheel drive, ball joints and CV seals, freedom of movement of handlebars or steering wheel
- personal protective equipment, e.g. suitable helmet, footwear, clothing, high-visibility gear, suitable eyewear
- reporting process, e.g. supervisor, reporting register
- escalation process, e.g. supervisor, WorkSafe.

Route planning

- farm hazards, e.g. livestock, vehicles, fences, waterways, terrain, trees
- factors influencing route selection, including complex riding or driving conditions, e.g. terrain, operator experience, operator fatigue, uphill, downhill, traversing a slope, wet, loose surfaces, loads, attached equipment
- interactions between factors, e.g. load, traction, changes in conditions
- personal capability considerations, e.g. ability to handle terrain, emergencies, and decision-making requirements.
- changing routes, e.g. decision-making process – machine, operator, environment.

Rauemi | Resources

- [Health and Safety at Work Act \(2015\)](#)
- [Land Transport \(Driver Licensing\) Rule \(1999\)](#)
- [Land Transport \(Road User\) Rule \(2004\)](#)
- [Safe use of agribusiness vehicles](#) (WorkSafe New Zealand)
- Workplace Standard Operating Procedures
- Manufacturer's specifications.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Food and Fibre Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Agriculture, Forestry and Fisheries > Agriculture > Agricultural Vehicles and Machinery
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0052

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	30 July 2026	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2031		

Please contact the Food and Fibre Industry Skills Board at info@foodandfibresb.nz to suggest changes to the content of this skill standard.