

Title	Perform measurements and calculations for rural contracting		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to perform measurements and calculations for rural contracting.
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Classification	Rural Contracting > Agricultural Contracting
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Available grade	Achieved
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Guidance Information

- 1 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.
- 2 Legislation and references relevant to this unit standard include:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991, available from www.legislation.govt.nz;
 - NZS 8409:2004 *Management of agrichemicals*, available from www.standards.govt.nz;
 - and all subsequent amendments and replacements.
- 3 Definitions

GPS refers to global positioning system.

Industry requirements refer 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.

Outcomes and performance criteria

Outcome 1

Perform measurements for rural contracting.

Performance criteria

1.1 Measurement devices are described in terms of their purpose in rural contracting.

Range may include but is not limited to – thermometer, verniers, moisture meter, scales or weighbridge, pump meter, GPS, tape measure, measuring wheel, laser, range finder, pressure gauge, time device, measuring jug; evidence of five measurement devices is required.

1.2 Appropriate measurement devices are selected.

Range area, weight, liquid volume, time.

1.3 Measurements are made to a degree of accuracy.

Range area, weight, liquid volume, time.

Outcome 2

Perform calculations for rural contracting.

Performance criteria

2.1 Area is calculated.

2.2 Volume is calculated.

2.3 Density is calculated.

2.4 Weight is calculated from volumes and densities.

2.5 Rates are calculated.

Range may include but are not limited to – kilograms per hectare, litres per hour, litres per hectare, litres per kilowatt hour, hectares per hour, kilograms per hour; evidence of two rates is required.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	31 October 2002	31 December 2015
Review	2	25 June 2007	31 December 2016
Review	3	16 July 2015	31 December 2023
Review	4	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference

0101

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

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation
qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.