

Title	Cultivate soil using cultivation equipment		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to: clarify job instructions; select and prepare cultivation equipment and machinery; carry out field preparation; cultivate soil using cultivation equipment; and carry out post-operational procedures.
----------------	--

Classification	Rural Contracting > Agricultural Contracting
-----------------------	--

Available grade	Achieved
------------------------	----------

Prerequisites	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
----------------------	--

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;
 - and all subsequent amendments and replacements.
- 3 Definitions

Cultivation equipment refers to disc, tine, or power take-off cultivator.

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

Clarify job instructions.

Performance criteria

- 1.1 Job instructions are clarified.

Outcome 2

Select and prepare cultivation equipment and machinery.

Performance criteria

- 2.1 Equipment and machinery appropriate for the work are selected.
- 2.2 Equipment and machinery are checked and are fit for purpose; and, if required, corrective action is taken.

Outcome 3

Carry out field preparation.

Performance criteria

- 3.1 Cultivation hazards are identified and controlled.
- 3.2 Planned cultivation work pattern takes account of contours, of previous and subsequent cultivation, field compaction, and required finish, and minimises empty running.
- 3.3 Ground conditions are checked for suitability for cultivation in relation to soil type, soil structure, soil depth, crop residues, stubble, moisture content, and weather forecast.
- 3.4 Equipment and machinery adjustments appropriate for the work are made.

Outcome 4

Cultivate soil using cultivation equipment.

Performance criteria

- 4.1 Soil is cultivated to the required depth in accordance with client requirements.
- 4.2 Soil is cultivated in accordance with predetermined work pattern in accordance with client requirements.
- 4.3 Soil is cultivated leaving a smooth surface, uniform tilth suitable for crop to be sown, minimal overlap, and no uncultivated areas.
- 4.4 Equipment and machinery are monitored during use, and required adjustments are made in accordance with client requirements.

Outcome 5

Carry out post-operational procedures.

Performance criteria

- 5.1 Equipment and machinery are shut down and stored.
- 5.2 Equipment is cleaned and lubricated, and any damage or faults are repaired, replaced, or reported.
- 5.3 Documentation for the operation is completed and stored in accordance with company and client requirements.

Replacement information	This unit standard replaced unit standard 6269, unit standard 6270 and unit standard 6275.
--------------------------------	--

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 July 2015	31 December 2023
Review	2	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.