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| Title | Prepare land and make seed beds in a forest nursery | | |
| Level | 3 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: operate equipment to level and contour land in preparation for forest nursery seedbeds, identify and apply base fertilisers, operate equipment to cultivate ground, carry out final cultivation tasks and form seed beds. |
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| Classification | Horticulture > Forest Nursery |
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| Available grade | Achieved |
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the:
 - Health and Safety at Work Act 2015; and its subsequent amendments.
- 2 Definition
Workplace procedures – the policies and procedures on safety and operation set down by the employer or organisation.
- 3 All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Operate equipment to level and contour land in preparation for forest nursery seedbeds.

Performance criteria

- 1.1 Clear ground of crop residue.
- 1.2 Level and contour ground.
- 1.3 Clean and store equipment ready for use.

Outcome 2

Identify and apply base fertilisers.

Range super phosphate, sulphate of potash, dolomite, agricultural lime, RPR (reactive phosphate rock).

Performance criteria

- 2.1 Describe the method of taking soil samples.
- 2.2 Check bag markings and labels to confirm fertiliser identity.
- 2.3 Measure fertilisers according to amounts required.
- 2.4 Ensure that fertilisers are spread evenly and at the required rate per hectare.
- 2.5 Clean equipment, and store unused materials.

Outcome 3

Operate equipment to cultivate ground.

Performance criteria

- 3.1 Monitor soil moisture levels to optimise cultivation and sowing.
- 3.2 Inspect the soil profile to ensure ripped ground has been shattered.
- 3.3 Carry out initial cultivation of the seed bed to a required and consistent depth.
- 3.4 Clean and store ready for use.

Outcome 4

Carry out final cultivation tasks and form seed beds.

Performance criteria

- 4.1 Cultivate ground at optimal environmental conditions and preserve soil moisture.
- 4.2 Cultivate soil to provide evenness and depth for root penetration.
- 4.3 Form straight seed beds to a consistent standard suitable for germination of a seedling crop.
- 4.4 Clean and store cultivation and bed forming equipment ready for use.

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 September 1997 | 31 December 2024 |
| Revision | 2 | 19 July 2001 | 31 December 2024 |
| Revision | 3 | 24 February 2006 | 31 December 2024 |
| Review | 4 | 28 April 2022 | 31 December 2026 |
| Review | 5 | 24 April 2025 | 31 December 2026 |

Consent and Moderation Requirements (CMR) reference

0052

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