

Title	Grow and maintain plants in containers from seed		
Level	1	Credits	5

Purpose	People credited with this unit standard are able to: identify parts of seeds and germinated seeds; sow and germinate seeds in containers; maintain and prick out seedlings; grow and maintain plants in containers; and keep a diary record of the growth of plants from sowing of seeds to the growing on stage.
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Classification	Horticulture > Production Horticulture
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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:
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with workplace procedures.
- 3 The germinated seedlings must be used to produce the growing on stage of plants in containers.
- 4 Definition
Workplace procedures refer to policies and procedures on safety, operation, and production set down by the employer or host organisation to grow and maintain plants in containers from seed.

Outcomes and performance criteria

Outcome 1

Identify parts of seeds and germinated seeds.

Performance criteria

- 1.1 Identify external seed parts.

Range parts include but are not limited to – seed coat (testa), micropyle, scar (hilum).

1.2 Identify plant parts of a germinated seedling.

Range parts include but are not limited to – cotyledons, true leaves, stem, primary root.

Outcome 2

Sow and germinate seeds in containers.

Performance criteria

2.1 Identify media for seed sowing.

Range media may include but are not limited to – seed raising mix, vermiculite, perlite; evidence of two media is required.

2.2 Identify seed sowing containers.

Range containers include but are not limited to – punnets, trays.

2.3 Sow seeds in containers applying correct seed depth, spacing and labelling requirements.

2.4 Germinate seeds in containers.

Outcome 3

Maintain and prick out seedlings.

Performance criteria

3.1 Apply care and maintenance activities to seedlings until the pricking out stage.

Range activities include but are but are not limited to – media moisture levels maintained, pest and disease free, cotyledons emerged, first true leaves formed.

3.2 Harden-off seedlings prior to pricking out.

3.3 Prick out healthy similar sized seedlings into seedling containers evenly spaced and with no damage to seedlings.

3.4 Grow and maintain pricked out seedlings to correct media moisture levels and free from pest and disease.

Outcome 4

Grow and maintain plants in containers.

Performance criteria

- 4.1 Harden-off seedlings prior to potting up.
- 4.2 Select and individually pot seedlings into containers.
- Range containers may include but are not limited to – potting bags, pots; evidence of one container type is required.
- 4.3 Maintain potted plants to correct media moisture levels and free from pest and disease.
- 4.4 Present plants when there is evidence of at least three new internodes of growth on each plant for the growing on stage.
- Range evidence of twelve plants is required.

Outcome 5

Keep a diary record of the growth of plants from sowing of seeds to the growing on stage.

Performance criteria

- 5.1 Record procedures undertaken in the preparation of the seeds for sowing and the sowing process.
- 5.2 Record care and maintenance activities of the seeds and seedlings up until the containerised plants reach the stage of three internodes of growth on each plant.
- Range activities may include but are not limited to – watering, plant and root growth, pests and diseases, other environmental conditions; evidence of three activities is required.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2007	31 December 2023
Review	2	30 June 2022	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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.