

Title	Demonstrate knowledge of nursery production		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: describe physical, environmental, and economic factors affecting a nursery production business; and demonstrate knowledge of the preparation and monitoring of a 12 month production plan for a nursery, and the effect of costs on nursery crop production.
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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:
 - Hazardous Substances and New Organisms Act 1996; and any subsequent amendments.
- 2 Definitions

Biosecurity – the application of systems, methods and techniques that prevent the introduction of pests, diseases and weeds into the production system (Nursery & Garden Industry Australia Ltd 2008).

Workplace procedures – the policies and procedures set down by the employer or organisation on workplace safety and processes.
- 3 All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe physical, environmental, and economic factors affecting a nursery production business.

Range evidence of at least two examples for each factor is required.

Performance criteria

- 1.1 Describe physical factors in terms of their effect on a nursery production business.

- 1.2 Describe environmental and sustainability factors in terms of their effect on a nursery production business.
- 1.3 Describe economic factors in terms of their effect on a nursery production business.

Outcome 2

Demonstrate knowledge of the preparation and monitoring of a 12-month production plan for a nursery.

Range must include – biosecurity management.

Performance criteria

- 2.1 Identify and describe the information and sources needed to prepare a production plan.
- 2.2 Identify and describe the steps in the preparation of a production plan.
- 2.3 Describe the procedures for monitoring plant progress against the production plan.

Outcome 3

Demonstrate knowledge of the effect of costs on nursery crop production.

Performance criteria

- 3.1 Describe a nursery crop in terms of the direct and indirect costs involved in the production of crop for sale.
- Range evidence of eight costs is required.
- 3.2 Calculate the effect of variations in costs on profit margin.
- Range evidence of two variations in cost on one line of nursery product is required.
- 3.3 Calculate the effect of volume of trade on profit.
- Range evidence of one line of nursery product is required.

Replacement information	This unit standard replaced unit standard 20563.
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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	16 February 2017	31 December 2024
Review	2	24 February 2022	N/A

Consent and Moderation Requirements (CMR) reference

0052

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

Comments on this unit standard

Please contact the Muka Tangata - People, Food, and Fibre Workplace Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.