

Title	Describe pest plants, and monitoring operations in New Zealand		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to describe: pest plant introduction to New Zealand; the characteristics used to identify pest plants, their preferred habitat, and modes of reproduction; pest plant control techniques, and their advantages and disadvantages; agrichemicals used for control of pest plants; and pest plant monitoring in New Zealand.
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Classification	Pest Management > Pest Control
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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 Definitions

Pest plants refer to –

 - a. *Environmental pest plant* – any plant that threatens the balance of New Zealand's natural environment.
 - b. *Agricultural pest plant* – plants that grow and threaten the production values of agricultural land.
 - c. *Aquatic pest plant* – Pest plants that threaten all waterways.

Workplace procedures are the documented policies and practices for safety and procedures within a particular worksite and are consistent with equipment manufacturers' guidelines; site signage; company health and safety plans, and regional council guidelines. This includes all best practice guidelines and Standard Operating Procedures (SOPs) as set out by industry groups such as - Environmental Protection Authority (EPA), and Department of Conservation (DOC).

Outcomes and performance criteria

Outcome 1

Describe pest plant introduction to New Zealand.

Range pest plants – four environmental, four agricultural, two aquatic.

Performance criteria

- 1.1 Describe pest plants in terms of their country of origin.
- 1.2 Describe pest plants in terms of the reasons for their introduction.

Outcome 2

Describe the characteristics used to identify pest plants, their preferred habitat, and modes of reproduction.

Range pest plants – four environmental, four agricultural, two aquatic.

Performance criteria

- 2.1 Describe pest plants in terms of their physical characteristics.
- Range evidence of four characteristics is required.
- 2.2 Identify pest plants in terms of their physical characteristics.
- 2.3 Describe pest plants in terms of their preferred habitat.
- Range evidence is required for two features of their habitat.
- 2.4 Describe pest plants in terms of their mode of reproduction.
- Range evidence of two features of reproduction is required.

Outcome 3

Describe pest plant control techniques, and their advantages and disadvantages.

Range hand-held sprayers, cutting and stump treating, frilling, manual removal.

Performance criteria

- 3.1 Describe pest plants in terms of control techniques and the situation best suited for control technique use.
- 3.2 Describe pest plants in terms of treatment and timing of control techniques for different cycles of pest plant growth.
- Range techniques include those used at various stages of the pest plant life cycle from juvenile to reproductive.
- 3.3 Describe a pest plant control technique in terms of the advantages and disadvantages.
- Range evidence of one advantage and one disadvantage is required.

Outcome 4

Describe agrichemicals used for control of pest plants.

Range four agrichemical formulations.

Performance criteria

4.1 Describe agrichemical formulations in terms of the way in which a variable determines their recommended use.

Range at least one of – growth stage of pest plant, soil type, environment.

4.2 Describe agrichemicals in terms of their mode of action.

4.3 Describe agrichemicals in terms of a best practice consideration for use.

Outcome 5

Describe pest plant monitoring in New Zealand.

Range pest plants – four environmental, four agricultural, two aquatic.

Performance criteria

5.1 Describe pest plant monitoring in terms of the purpose, and how monitoring benefits pest plant management in New Zealand.

5.2 Describe pest plants in terms of monitoring techniques.

Range evidence of two techniques is required.

5.3 Describe pest plants in terms of workplace monitoring, recording, and reporting procedures.

Planned review date	31 December 2025
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Last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 July 2016	31 December 2022
Review	2	25 March 2021	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 the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.