

Title	Describe endophytes and the cropping process in the seed processing industry		
Level	2	Credits	3

Purpose	<p>This unit standard is for people working in the seed processing industry.</p> <p>People credited with this unit standard are able to describe: endophytes and their relevance to the seed processing industry; and factors affecting seed choice, and on-farm operations required to ensure optimum seed quality from pick up at the seed merchant store, through the cropping process, to the resulting delivery of seed to an outlet for processing.</p>
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Classification	Agriculture > Seed Dressing
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Available grade	Achieved
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Guidance Information

None.

Outcomes and performance criteria

Outcome 1

Describe endophytes and their relevance to the seed processing industry.

Performance criteria

- 1.1 Describe endophytes in terms of the similarities and differences between various types.

Range wild, novel, free.
- 1.2 Describe endophytes in terms of their longevity on the plant, and subsequent effect on stock.
- 1.3 Describe endophytes in terms of the effect of storage.
- 1.4 Describe endophytes in terms of the pasture and seed requirements, and the reasons why farmers use it.

Outcome 2

Describe factors affecting seed choice, and on-farm operations required to ensure optimum seed quality from pick up at the seed merchant store, through the cropping process, to the resulting delivery of seed to an outlet for processing.

Range small seed, vegetable or ryegrass.

Performance criteria

2.1 Describe factors affecting the choice of seed for producing optimum quality of seed for a specified situation.

Range species selection, endophyte status, cultivar, isolation requirements, classification status.

2.2 Describe on-farm operations required for producing optimum quality of seed for a specified situation, and in accordance with end use.

Range weed control, pest control, storage, classification, isolation requirements;
documentation – seed tracking, seed traceability;
end use, one of – crop, malt, retail, export.

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Status information and last date for assessment for superseded versions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	19 May 2006	31 December 2020
Review	2	28 February 2019	N/A
Rollover and Revision	3	24 July 2025	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.