

Title	Describe seed lot contaminants and plan seed processing		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: describe seed lot contaminants; the processes and associated machinery used to process seed lots with problem and common contaminants; and plan processing of seed lots.
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Classification	Agriculture > Seed Dressing
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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

Common contaminants – contaminants always found in seed lots processed at the store.

Contaminants – other crop seeds and inert material.

Problem contaminants – contaminants which are difficult to separate from the crop seed during processing.

Seeds – grains, pulses, vegetables, and small seeds such as grass and clover seed.

Workplace procedures refer to instructions to staff on policy and procedures which are communicated in verbal or written form. These requirements may include but are not limited to – manufacturers' instructions, company safety requirements, and industry codes of practice and standards. Workplace procedures must include legislative requirements.
- 3 Quality standards may be standards required by any one, or a combination, of the following:
 - seed processing company;
 - buyer;
 - exporter;
 - country seed is to be exported to;
 - owner of the seed;
 - purity standards listed in AsureQuality Seed Production Standards, available from www.asurequality.com.

- 4 Seed lots may include but are not limited to - brassica, pulse, cereal, vegetable or grass.
- 5 All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe seed lot contaminants.

Performance criteria

- 1.1 Describe common contaminants for seed lots processed.

Range evidence for at least three contaminants is required.
- 1.2 Describe a problem contaminant processed and its classification as a problem contaminant for the seed lot.
- 1.3 Describe the characteristics of contaminants in terms of the factors making them a problem during the processing of seed lots.

Range characteristics may include but are not limited to – size, shape, weight, density, roughness, length, colour; evidence of six characteristics is required.

Outcome 2

Describe the processes and associated machinery used to process seed lots with problem and common contaminants.

Performance criteria

- 2.1 Describe the processes used to reduce problem and common contaminants, and the associated machines used during processing in terms of meeting quality standards.

Outcome 3

Plan processing of seed lots.

Range plan must be for at least one week.

Performance criteria

- 3.1 Plan the order in which seed lots are processed.
- 3.2 Plan the number of staff needed in relation to staff availability

- 3.3 Plan resources needed in relation to resources availability.
- Range resources may include but are not limited to – bags, labels, pallets, sewing machine thread, branding ink, shrink wrap; evidence of four resources is required.
- 3.4 Plan for samples and certificates needed and packaging requirements.
- 3.5 Plan for completion dates for processing or certification to be met.
- 3.6 Plan to minimise down time.
- 3.7 Plan to achieve buyers' quality standards.

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	27 November 1998	31 December 2024
Revision	2	14 August 2002	31 December 2024
Review	3	19 May 2006	31 December 2024
Review	4	24 March 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.