

Title	Describe seed drying and dry seed lots		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to describe seed drying, and potential seed damage; and dry seed lots using continuous and batch or bin dryers.
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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

Contaminants – other crop seeds and inert material.

Seeds – brassicas, pulses, cereals, and vegetables or grasses.

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 All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe seed drying, and potential seed damage.

Performance criteria

- 1.1 Describe driers in terms of the method of operations, and size of seed lot to dry.
Range batch, continuous.
- 1.2 Describe the need for seed drying in terms of potential damage to undried seed.

- 1.3 Describe types and extent of damage to seeds which can be caused by the drying process in terms of temperature of drying and effect of increased temperature from heating source.
- 1.4 Describe the effect of inert material contaminants in seed lots on the drying process in terms of drying time.
- 1.5 Describe the effect of air temperature and humidity on the drying process in terms of machine settings and drying times.
- 1.6 Describe field heat and its effect on the drying process in terms of machine settings, drying times and seed damage.

Outcome 2

Dry seed lots using continuous or batch or bin dryers.

Range evidence of two different species of seed lots is required.

Performance criteria

- 2.1 De-contaminate drying machinery before use.
- 2.2 Set machinery.
- 2.3 Dry seed lots.

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Status information and last date for assessment for superseded versions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.