

Dry seedlots

Level 4

Credits 5

Purpose This unit standard is for people working in the seed processing industry.

People credited with this unit standard are able to demonstrate knowledge of seed drying and dry seeds using continuous and batch/bin dryers.

Subfield Agriculture

Domain Seed Dressing

Status Registered

Status date 19 May 2006

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Entry information Recommended: Unit 15600, *Draw a seed sample, and test and identify samples of seed*; and Unit 15603, *Operate machinery and equipment in a seed processing store*, or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0052

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

Special notes

- 1 Definitions
Seeds – brassicas, pulses, cereals, and vegetables or grasses.
Contaminants – other crop seeds and inert material.
- 2 *Company procedures* refer to the documented procedures for drying seedlots, and must comply with the Health and Safety in Employment Act 1992.

Elements and performance criteria

Element 1

Demonstrate knowledge of seed drying.

Performance criteria

- 1.1 Driers are described in terms of the method of operations, and size of seedlot to dry.
Range batch, continuous.
- 1.2 The need for drying is described in terms of potential damage to undried seed.
- 1.3 Types and extent of damage to seeds which can be caused by the drying process are described in terms of temperature of drying.
- 1.4 The effect of inert material contaminants in seedlots on the drying process is described in terms of drying time.
- 1.5 The effect of air temperature and humidity on the drying process are described in terms of machine settings and drying times.
- 1.6 Field heat and its effect on the drying process are described in terms of machine settings, drying times and seed damage.

Element 2

Dry seedlots using continuous or batch/bin dryers.

Range evidence is required for two different species of seedlots.

Performance criteria

- 2.1 Drying machinery is de-contaminated before use in accordance with company procedures.
- 2.2 Machinery is set according manufacturer's instructions and company procedures.
- 2.3 Seedlots are dried in accordance with manufacturer's instructions and company procedures.

Please note

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryto.ac.nz if you wish to suggest changes to the content of this unit standard.