

Plan seed processing

Level 4

Credits 10

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 seedlot contaminants; demonstrate knowledge of the processes and associated machinery used to process seedlots with problem and common contaminants; and plan processing of seedlots.

Subfield Agriculture

Domain Seed Dressing

Status Registered

Status date 19 May 2006

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Entry information Recommended: Unit 15608, *Demonstrate knowledge of the seed processing industry and seed processing machines*, 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 – grains, pulses, vegetables, and small seeds such as grass and clover seed.
Contaminants – other crop seeds and inert material.
Problem contaminants – contaminants which are difficult to separate from the crop seed during processing.
Common contaminants – contaminants always found in seedlots processed at the store.

Waste – crop seed in offal.

Company procedures – the documented procedures for seed processing and packaging, and which comply with the Health and Safety in Employment Act 1992.

- 2 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 NZ Seed Quality Management Authority, *Seed Store Operating Manual* (AgriQuality Ltd, 2006), available from AgriQuality Ltd, freephone 0508 001122.
- 3 Seedlots must include at least one brassica, one pulse, one cereal, and one vegetable or grass.

Elements and performance criteria

Element 1

Demonstrate knowledge of seedlot contaminants.

Performance criteria

- 1.1 Common contaminants are identified for seedlots processed at the candidates store.

Range evidence is required for at least three contaminants.
- 1.2 A problem contaminant processed at the candidates store is identified and its classification as a problem contaminant for the seedlot is justified.
- 1.3 The characteristics of contaminants are described in terms of the factors making them a problem during the processing of seedlots at the candidates store.

Range characteristics may include but are not limited to – size, shape, weight, density, roughness, length, colour.

Element 2

Demonstrate knowledge of the processes and associated machinery used to process seedlots with problem and common contaminants.

Performance criteria

- 2.1 The processes used to reduce common contaminants are identified, and the associated machines used during processing are described in terms of meeting quality standards.
- 2.2 The processes used to reduce problem contaminants are identified, and the associated machines used during processing are described in terms of meeting quality standards.

Element 3

Plan processing of seedlots.

Range plan for at least one week.

Performance criteria

- 3.1 Plan includes the order in which seedlots are processed in accordance with company procedures.
- 3.2 Plan includes the number of staff needed in relation to staff available in accordance with company procedures.
- 3.3 Plan includes resources needed in relation to resources available in accordance with company procedures.
- Range resources may include but are not limited to – bags, labels, pallets, twine, branding ink, shrink wrap.
- 3.4 Plan includes samples and certificates needed and packaging requirements in accordance with company procedures.
- 3.5 Plan allows completion dates for processing and/or certification to be met.
- 3.6 Plan minimises down time.
- 3.7 Plan takes account of buyers' quality standards.

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@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.