



Australian Government

AHCBAC304 Test grains and seeds on receival

Release: 1

AHCBC304 Test grains and seeds on receipt

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to test grains and seeds on receipt.

All work must be carried out to comply with workplace procedures, work health and safety and biosecurity legislation and codes.

This unit applies to individuals who work under broad direction and take responsibility for own work including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources and complete routine activities.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Broad acre cropping (BAC)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare sampling and testing equipment for use	1.1 Clean, maintain, test and calibrate testing and sampling instruments appropriately 1.2 Identify and report repairs and maintenance of sampling and testing equipment 1.3 Identify work health and safety hazards in grain testing and assess risks
2 Identify grains on	2.1 Inspect load to confirm commodity type and determine presence

Element	Performance criteria
receipt	of contaminants 2.2 Record supplier information
3. Collect grains samples for testing	3.1 Follow sampling protocols and conduct appropriate sampling 3.2 Apply appropriate processes to prevent mixing or contamination of samples 3.3 Prepare samples for testing 3.4 Collect and maintain appropriate sample information records
4 Perform initial tests on samples	4.1 Follow handling procedures to prevent mixing or contamination of samples 4.2 Operate testing equipment to perform required tests in accordance with manufacturer's instructions, enterprise and industry practice 4.3 Record results of initial testing appropriately 4.4 Use visual recognition and industry reference material to determine the level of defects and contaminants 4.5 Compare test results with specifications to determine the grade or reject the sample 4.6 Observe appropriate policies and procedures with regard to rejection of product
5 Despatch samples to testing facilities	5.1 Pack and label samples appropriately 5.2 Prepare appropriate records of testing requirements 5.3 Despatch samples to testing facility
6. Prepare for storage of grains and seed	6.1 Conduct appropriate segregation arrangements of grain and seed 6.2 Complete required site transfer arrangements 6.3 Inspect conveying equipment and identify and report items requiring maintenance or repair 6.4 Apply enterprise biosecurity policies as required

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCBA304A Test grains and seeds on receipt.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCBC304 Test grains and seeds on receipt

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- identify work health and safety hazards and implement safe operating procedures
- identify grain and seed types
- take consistent samples
- identify defects such as split grains and seeds, undersize, chaff, weed seeds, damage
- read and interpret commodity standards
- store and dispatch grains and seeds samples and maintain hygiene
- conduct sampling and initial testing
- operate electronic and non-electronic testing equipment
- record samples for further testing
- communicate with customers and maintain records
- follow enterprise work health and safety policies in the context of own work
- follow enterprise biosecurity policies in the context of own work.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- safe operating procedures for handling and storing grain
- grain/seed testing processes
- industry standards and codes of practice
- testing parameters for grains such as protein, weight, oil content, moisture, defects, sprouts etc
- testing parameters for seed such as genetic purity, cultivar, dead, abnormal and hard seed, germination potential, foreign matter
- analysis and consequence of test result
- segregation strategies/methods, traceability and hygiene

- impact of residues including chemical
- industry practice, standards and quality assurance requirements in relation to grains sampling and testing
- workplace health and safety, company, industry and regulatory requirements
- sampling and testing protocols
- enterprise biosecurity policies.

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

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