



Australian Government

AHCBAC312 Test and grade grains and seeds on receipt

Release: 1

AHCBAC312 Test and grade grains and seeds on receipt

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to prepare test equipment, sample and perform receipt tests on delivered grains and seeds, prepare samples for despatch for further tests and prepare for grains and seeds storage.

The 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 licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Broad Acre Cropping (BAC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare sampling and testing equipment for use	1.1 Clean, maintain, test and calibrate testing and sampling instruments according to manufacturer instructions 1.2 Identify and report faulty sampling and testing equipment 1.3 Identify work health and safety hazards, assess the risk and implement controls according to workplace procedures
2 Identify grains on	2.1 Inspect load to confirm commodity type

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
receipt	2.2 Identify presence of contaminants 2.3 Record supplier information according to workplace procedures
3. Collect grains samples for testing	3.1 Collect sample for testing according to workplace sampling procedures and industry standards 3.2 Prevent mixing or contamination of samples 3.3 Label and prepare samples for testing according to workplace procedures and industry standards 3.4 Record sample information according to workplace procedures
4 Perform initial tests on samples	4.1 Handle samples during testing to prevent cross contamination 4.2 Operate testing equipment to perform required tests according to manufacturer instructions, workplace procedures and industry standards 4.3 Record results of test outcomes according to procedures 4.4 Determine the level of defects and contaminants from visual comparison with industry reference material 4.5 Compare test results with specifications to determine grade of sample 4.6 Accept or reject receipt of commodity according to workplace policies and procedures 4.7 Communicate outcome of tests and acceptance/rejection of delivery to client
5 Despatch samples to testing facilities	5.1 Pack and label samples according to sampling procedures 5.2 Record testing requirements according to workplace procedures 5.3 Despatch samples to testing facility
6. Prepare for storage of grains and seed	6.1 Conduct segregation arrangements of grain and seed according to storage plan and biosecurity policies and procedures 6.2 Complete required site transfer arrangements 6.3 Inspect conveying equipment and identify and report faulty equipment

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret instructions, policies and procedures for sampling and testing of grains and seeds
Writing	Record and complete workplace records, sample labels and test results using clear language, and industry terminology
Oral communication	Participate in verbal exchanges using collaborative and inclusive techniques including active listening and questioning to convey outcome of receipt process to client
Numeracy	Perform mathematical calculations for sample tests and interpret results to determine if product is to be received or rejected

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBA312 Test and grade grains and seeds on receipt	AHCBA304 Test grains and seeds on receipt	Changed Title and edited Application for clarity Consolidated and re sequenced Performance Criteria for clarity Foundation Skills refined Performance Evidence and Knowledge Evidence clarified Amended structure of Assessment Conditions	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCBAC312 Test and grade grains and seeds on receipt

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has sampled and tested grains or seed on receipt of delivery on at least one occasion, including:

- identified work health and safety hazards, assessed risks and implemented controls
- identified grain and seed types on delivery
- sampled grains and seeds including:
 - collected representative sample
 - packaged sample to prevent cross contamination
 - recorded and labelled samples according to procedures
- identified defects in grain including:
 - split grains and seeds
 - undersize
 - chaff
 - weed seeds and other contaminants
 - damage
- read, interpreted and applied seed and grain sampling and testing standards
- dispatched and stored grains and seeds samples and maintained hygiene
- conducted sampling and initial testing
- operated testing equipment which must include:
 - manual tests
 - electronic test equipment
- maintained records.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- safe operating procedures for handling and storing grain, including:
 - working at heights and confined spaces with storage bins
 - power lines and elevated equipment safety
 - storage dust and potential for fire and explosions
- grain/seed testing processes including testing and calibrating sampling instruments
- industry standards, codes of practice and quality assurance requirements for grains and seeds
- testing procedures and parameters for grains, including:
 - protein
 - weight
 - oil content
 - moisture
 - defects
 - sprouts
- testing procedures and parameters for seed, including:
 - genetic purity
 - cultivar
 - dead
 - abnormal
 - hard seed
 - germination potential
 - contamination with foreign matter
- analysis and consequence of test result
- segregation strategies/methods and hygiene management
- record keeping strategies and importance for traceability
- impact of residues including chemical
- enterprise biosecurity policies and procedures.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated on a broadacre farm or seed handling/processing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - delivery vehicle with seed or grain
 - tools for sampling grains/seeds
 - seed and grain test equipment
 - personal protective equipment
- specifications:

- workplace policies, procedures and delivery documents and forms
- manufacturer operating instructions for specific equipment, machinery
- workplace specifications for seed/grain quality standards
- relationships:
 - client/delivery person.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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