



Australian Government

Assessment Requirements for AHCBAC416 Save, prepare and store agricultural seed

Release: 1

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Modification History

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

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 on at least one occasion stored agricultural seed for sowing future crop or sale and has:

- selected and applied seed tests to determine seed quality including:
 - moisture
 - protein
 - falling numbers
 - screenings
 - damaged seed
- sampled seed according to laboratory procedures
- applied pre and post-harvest treatments for seed
- identified and utilised equipment required for seed movement, testing and storage
- identified varieties from growth patterns
- identified weed seeds and contaminants
- identified pests in stored grain and initiated control measures
- performed the following calculations for seed storage:
 - volume of seed required
 - capacity of storage available and required for seed storage
 - area of crop required to produce seed based on health, vigour and grain size
 - ratios of chemical use
- created and maintained records for traceability, including:
 - results of test on seeds
 - seed provenance and varieties
 - pest control measures
 - seed storage locations and movement
 - application of treatments to stored grain and facilities

- movement of grain while in storage
- inspections, sampling and testing of grain
- graded and tested seed and interpreted results
- collected and maintained records
- stored and maintained the quality of seed for use in following season
- implemented workplace health, safety, biosecurity and environmental policies.

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:

- seed varieties and their identification
- seed treatment and cleaning measures
- tests commonly performed on seeds for storage and quality assessment, including:
 - moisture
 - protein
 - falling numbers
 - screenings
 - damaged seed
 - seed health tests
- sources of seed to purchase and expected terms, conditions and standards
- inoculation treatments and seed dressings used to protect seed and promote seed germination
- records and documentation required for traceability and handling of seed
- storage techniques and requirements for seed and grain including:
 - silo
 - storage bags
 - sheds and bunkers
 - underground pits
- biosecurity controls and codes of practice
- relevant legislation and regulations relating to:
 - health and safety
 - contractor engagement
 - chemical use and application
 - vehicle and plant operation and use
 - use, handling and sale of seed
- national and international standards for commercial seed production
- site workplace health and safety management practices and procedures, including:
 - minimise noise
 - odours
 - debris from grain storage operations

- dust and fire risk
- working at heights and confined spaces with storage bins
- power lines and elevated equipment safety.

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 grain processing plant, or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seed and storage facilities
 - tools, equipment and machinery for transporting and transferring seed
 - personal protective equipment
 - digital or analogue record keeping system
 - chemicals and measuring and application equipment
- specifications:
 - specific workplace policies, procedures and forms
 - manufacturer operating instructions for equipment and machinery
 - safety data sheets (SDS)
 - workplace instructions
 - terms and conditions for supply or purchase of seed

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

Links

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