



Australian Government

Assessment Requirements for AHCBAC415 Maintain grain quality in storage

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 monitored, and maintained the quality of grain in storage and has:

- sampled grain delivered for storage, and conducted basic grain quality analysis
- created, maintained and used clear and traceable records during grain storage, including:
 - application of treatments to stored grain and facilities
 - movement of grain while in storage
 - inspections, sampling and testing of grain
 - chemicals and treatments used and the applicable withholding periods
- inspected and tested silos for hygiene, contamination and damage
- identified insects, pests and other factors affecting grain quality
- treated grain and grain storage facilities and surrounds including:
 - planned and scheduled weed, pest and disease control
 - setup and operated fumigation and pesticide application equipment
 - set up and operate inert atmosphere equipment
 - handled and mixed chemicals for baiting, fumigation, spraying, and other forms of treatment
- interpreted and monitored information on pests
- calculated mass and volumes of grain and grain storage facilities
- monitored and maintained hygiene and control of pests and contaminants
- investigated and recommend options for technology, systems or practices required to improve grain quality.

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:

- types, levels and control methods for a range of pests and contaminants
- permanent and temporary storage configurations and operations, including:
 - silos
 - storage bags
 - sheds and bunkers
 - underground pits
- chemical handling and dangerous goods requirements
- range of applicable pesticides, their uses, application methods and handling requirements
- grain commodity types, varieties and grades, marketing requirements and options for grain growers
- handling requirements for gas cylinders
- insect life cycles and optimum conditions for development
- Integrated Pest Management (IPM) principles and the procedures used within the organisation
- legislative requirements, codes of practice and workplace procedures relating to:
 - the storage and quality of grains
 - the purchase, transport, storage, use and disposal of pesticides and fumigants
 - work health and safety and environment
- sampling and classification requirements of grains
- common grain pests and their general control methods, including:
 - vertebrate
 - non-vertebrate
- equipment used in grain storage facilities and its safe use
- site safety hazards and management practices and processes, 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.
- chemical handling and dangerous goods requirements
- industry hygiene and quality standards
- developments and options available for maintaining or improving the quality of grain during storage
- workplace biosecurity policies and procedures
- record keeping systems and mandatory traceability requirements.

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 farm, grain processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - grain storage facilities
 - digital or analogue record keeping system
 - chemicals, fumigants 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

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>