



Australian Government

AHCBAC504 Plan and manage a stored grain program

Release: 1

AHCBA504 Plan and manage a stored grain program

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to plan and manage a stored grain program.

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

This unit applies to individuals who demonstrate deep knowledge in a specific technical area, take personal responsibility and exercise autonomy in undertaking complex work. They organise the work of self and others and analyse, design and communicate solutions to sometimes complex problems.

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. Plan grain storage program	1.1 Collect and analyse organisational documentation and financial information to develop the storage program 1.2 Identify, record and assess available storage facilities for suitability and capacity 1.3 Calculate and analyse projected grain production and delivery quantities, types and timeframes against storage capacity

Element	Performance criteria
	1.4 Arrange any required temporary storage 1.5 Estimate timeframes and scheduling for delivery of grain to storage facilities on- and off-site 1.6 Prepare program to include plans for annual, seasonal and short-term periods, appropriate to achieve organisational goals and objectives 1.7 Document program, including scheduling and key responsibilities, and reporting type, format, frequency and detail required by managers and operators
2. Plan integrated pest control for the storage area	2.1 Organise grain testing and sampling for pest infestation 2.2 Record and analyse results of samples and tests for pest infestation 2.3 Develop and implement an integrated pest management program to control grain insects and other pests in storage 2.4 Determine monitoring points, targets and methods to identify possible development of resistance in insects 2.5 Ensure the selected pest control strategies relate to the requirements of the end use and to customers' expectations 2.6 Determine appropriate record keeping requirements and procedures to ensure compliance with the range of applicable regulations 2.7 Document the program, including scheduling and key responsibilities, including the type, format, frequency and detail of any reporting required by both managers and operators
3. Implement work health and safety program for grain storage area	3.1 Identify hazards within and surrounding the grain storage area(s) 3.2 Develop, document and implement procedures to minimise risks 3.3 Communicate work health and safety and risk minimisation procedures 3.4 Ensure the program describes the personal protective equipment and safety gear required to be used around the storage facilities 3.5 Determine record keeping requirements and implement procedures appropriately 3.6 Ensure the program includes the type, format, frequency and detail of any reporting required by both managers and operators
4. Manage the grain storage program	4.1 Implement the grain storage program 4.2 Schedule and organise activities for efficient transport and storage of the grain 4.3 Implement pest control strategies according to the integrated pest management program 4.4 Ensure personal protective equipment and safety gear is provided to all people operating around the storage facilities

Element	Performance criteria
	4.5 Ensure that all work health and safety procedures are implemented by operational personnel 4.6 Conduct checks to ensure that the performance indicators, targets and specifications are being met and make amendments to the program, where necessary 4.7 Communicate regularly with operational personnel throughout the storage, transport, sampling and chemical application operations to ensure efficient and safe operation and progress 4.8 Assess the impact and risk of existing and potential problems 4.9 Identify potential problems and investigate likely causes 4.10 Consider, analyse, review and recommend alternative solutions to appropriate personnel for a decision
5. Maintain records of stored grain movement	5.1 Create, maintain and store records and documentation as described in the grain storage program, the integrated pest management program, and work health and safety requirements 5.2 Complete appropriate records and documentation throughout the storage program 5.3 Ensure that the record keeping system is appropriate 5.4 Implement enterprise biosecurity policies

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 AHCBA504A Plan and manage a stored grain program.

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 AHCBA504 Plan and manage a stored grain program

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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:

- cost benefit analysis of grain storage
- establish procedures and controls for implementation by others
- plan, schedule, monitor and amend plans for operations
- administer and co-ordinate operations on a site
- explain, and deliver instructions about the plans and scheduling of the grain storage operations to both staff and contractors
- observe, identify and react appropriately to environmental implications and work health and safety hazards
- plan for storage needs based on grain production estimates
- implement an integrated pest management (IPM) program for grain storage
- supervise procedures to manage work health and safety risk for the storage site
- schedule the storage and transport of grain
- supervise staff to monitor transport, storage, sampling and pest control procedures
- maintain records of grain storage to meet quality requirements
- implement work health and safety policies
- implement enterprise biosecurity policies.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- silo layout and operations, configuration, and maintenance procedures
- safe working practices, especially in confined spaces and at heights
- organisational priorities and policies in relation to production planning, work health and safety and chemical use
- organisational priorities and policies in relation to quality, personnel and operations

- pest control principles
- reporting and recording requirements within the organisation and as required by external authorities
- grain marketing and commodity prices
- use of technology in grain storage operations
- integrated pest and weed management techniques
- relevant legislation and regulations relating to work health and safety, contractor engagement, chemical use and application, site management, and vehicle and plant use
- sound management practices and processes to minimise noise, odours, and debris from grain storage operations
- 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.

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