



**Australian Government**

# **AHCBAC415 Maintain grain quality in storage**

**Release: 1**

## AHCBC415 Maintain grain quality in storage

### 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 maintain grain quality in storage and includes assessing and maintaining hygiene in grain storage areas, as well as monitoring the grain for deterioration, pests and contamination.

The unit applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

Licensing or certification for the use of fumigants and poison baits is strictly controlled in Australian states and territories. Users must check with their relevant regulatory authority before use.

### 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. Maintain hygiene in storage areas	1.1 Test storage conditions and facilities for compliance with grain storage hygiene standards 1.2 Identify, report or repair damage and faults to storage areas according to workplace procedures 1.3 Apply treatments to storage facilities to ensure hygiene standards are maintained according to grain storage program

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.4 Maintain storage environment according to biosecurity procedures</p> <p>1.5 Record application of treatments according to workplace procedures</p>
2. Monitor grain quality from arrival to dispatch	<p>2.1 Collect samples of grain and refer for testing prior to storage</p> <p>2.2 Sample grain at a frequency specified in sampling procedures to ensure compliance with purity standards</p> <p>2.3 Check grain quality at time of dispatch against records at point of storage for consistency</p> <p>2.4 Take, prepare and forward test samples for analysis according to workplace procedures and industry standards</p> <p>2.5 Maintain records of grain storage movement according to grain storage program</p> <p>2.6 Research and recommend technology, systems or practices to improve or maintain grain storage quality</p> <p>2.7 Implement work health and safety policies for activities around the grain storage facilities</p>
3. Monitor and maintain grain condition in storage	<p>3.1 Check stored grain for contaminants and deterioration according to workplace procedures and schedules</p> <p>3.2 Check grain in long-term storage for quality factors and viability according to workplace procedures and schedules</p> <p>3.3 Collect, prepare and send samples of grain for laboratory testing according to industry quality assurance and laboratory standards</p> <p>3.4 Create and maintain records of grain tests and inspections according to grain storage program.</p> <p>3.5 Monitor condition of stored grain according to schedule and methods specified in grain storage program</p> <p>3.6 Implement corrective action to maintain grain quality standards according to workplace procedures</p> <p>3.7 Ensure grain storage activities and facilities management are conducted according to grain storage program</p>
4. Control weeds and pests in storage area	<p>4.1 Monitor grain according to the monitoring points, targets and methods outlined in the grain storage program</p> <p>4.2 Collect samples of grain to test for pest infestation</p> <p>4.3 Prepare and forward sample for analysis according to workplace</p>

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>procedures and industry standards</p> <p>4.4 Control pests in storage according to grain storage program</p> <p>4.5 Apply fumigants and treatments in enclosed stored grain and surrounding environment according to pest management strategy and grain storage program</p> <p>4.6 Identify and control sources of infestation according to the pest management strategy and biosecurity procedures in grain storage program</p> <p>4.7 Create and maintain records of treatments to grain and storage facilities according to grain storage program</p>

## 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Research and analyse journals, documentation and digital media to identify new technologies and procedures for grain storage</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Design and develop records and recordkeeping procedures for grain storage activities using clear and easily understood language</li> </ul>

## Unit Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCBC415 Maintain grain quality in storage	AHCBC406 Maintain grain quality in storage	<p>Edited Application for clarity</p> <p>Minor change to Element 2 for clarity</p> <p>Changes and consolidation of Performance Criteria for clarity</p>	Equivalent

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
		Foundation Skills refined Performance Evidence and Knowledge Evidence clarified  Amended structure of Assessment Conditions	

## Links

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