



**Australian Government**

# **FBPGRA3023 Operate and monitor grain conditioning**

**Release: 1**

# FBPGRA3023 Operate and monitor grain conditioning

## Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

## Application

This unit of competency describes the skills and knowledge required to set up, operate, monitor and shut down equipment, to condition grain by adding water at the required parameters to achieve optimum milling results.

This unit applies to individuals who work in a grain processing environment under the direction of the miller or head miller, to produce food or feed. It typically targets the production worker responsible for applying operating principles to the operation and monitoring of grain conditioning equipment and processes.

All work must be carried out to comply with workplace procedures according to state/territory health and safety and food safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Grain Processing (GRA)

## 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 the grain conditioning equipment and process for operation	1.1 Confirm materials are available to meet product specification requirements 1.2 Conduct pre-start checks according to operator instructions

<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>1.3 Select, fit and use personal protective equipment and clothing as required of workplace procedures</p> <p>1.4 Identify and confirm work area is clean according to food safety standards, and equipment is not locked out</p> <p>1.5 Check processing or operating parameters to meet safety requirements</p>
2. Operate and monitor equipment	<p>2.1 Operate the process according to safe work procedures</p> <p>2.2 Identify any variation in equipment operation, and report to miller</p> <p>2.3 Take and check samples to ensure conditioned product meets grist moisture specifications, and report any variation</p> <p>2.4 Identify and report out-of-specification product or process outcomes</p> <p>2.5 Store conditioned product according to food safety procedures</p> <p>2.6 Maintain the work area according to safe work and food safety procedures</p> <p>2.7 Maintain workplace records according to workplace procedures</p>
3. Shut down the process	<p>3.1 Identify the appropriate shutdown procedure</p> <p>3.2 Shut down the process safely according to operating procedures</p> <p>3.3 Identify and report maintenance requirements according to workplace procedures</p> <p>3.4 Ensure waste is disposed of in line with environmental requirements</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>Interpret grain conditioning requirements</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Record product and processing information using digital and/or paper-based formats</li> </ul>

Skill	Description
Numeracy	<ul style="list-style-type: none"> <li>• Measure product using weight (kg, T) and volume (L, hL), to two decimal points</li> <li>• Calculate water addition to suit machine and grist type</li> <li>• Use percentages (%) as they apply to mixes of grain</li> <li>• Read and interpret measurements on moisture meter</li> <li>• Accurately interpret readings on scales and gauges</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPGRA3023 Operate and monitor grain conditioning	FBPGRA2003 Operate a grain conditioning process	Unit title and code updated to better match work task  Minor changes to Performance Criteria to clarify intent  Foundation Skills refined  Performance Evidence clarified  Minor changes to Knowledge Evidence and Assessment Conditions	Equivalent

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>