



**Australian Government**

**Assessment Requirements for  
FBPGRA3024 Operate and monitor grain  
cleaning**

**Release: 1**

# Assessment Requirements for FBPGRA3024 Operate and monitor grain cleaning

## Modification History

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

## 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 operated and monitored a grain cleaning process on at least one occasion, including:

- applying safe work practices
- applying food safety procedures to work practices
- checking grain is adequately cleaned to meet specifications, following head miller's instructions
- reporting inconsistencies or variations.

## 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:

- purpose and basic principles of the grain cleaning, size, density, resistance to air current, friction
- basic operating principles of equipment, including:
  - main equipment components, including where and how adjustments can be made
  - status and purpose of guards
  - equipment operating capacities and applications
  - the purpose and location of sensors and related feedback instrumentation
- services required, and action to take if services are not available
- good manufacturing practices (GMP) relevant to work task
- the flow of the grain cleaning process and the basic effect of outputs on downstream processes
- quality characteristics to be achieved by the grain cleaning process
- quality requirements of materials, and effect of variation on grain cleaning process performance

- the basics of how and why various kinds of wheat are blended to make grist
- methods used to monitor grain cleaning, including:
  - visual inspections to ensure product meets specification and impurities are removed
  - sieving
  - checking screenings to ensure grain is not wasted
- basic contamination/cross-contamination and food safety risks associated with the grain cleaning process, and related control measures
- common causes of poor or inadequate cleaning, including:
  - poor adjustment of equipment
  - equipment not suited to task
  - equipment not well maintained
  - inadequate aspiration for correct machine function
  - inadequate cleaning/clearing of equipment
- health and safety hazards and controls
- requirements of different shutdowns as appropriate to the grain cleaning process and workplace production requirements, including:
  - routine cleaning system shutdown
  - unexpected production stop
  - emergency shutdowns
  - procedures to follow in the event of a power outage
- isolation, lock-out and tag-out procedures and responsibilities
- procedures and responsibility for reporting production and performance information
- environmental issues and controls, including waste and rework collection and handling procedures
- basic operating principles of process control, where relevant, including the relationship between control panels and systems and the physical equipment
- routine maintenance procedures for grain cleaning equipment
- cleaning and sanitisation procedures for workspace and equipment
- procedures to track traceability of product
- procedures to ensure biosecurity requirements are met.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - a grain processing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - personal protective clothing
  - grain cleaning equipment and related services
  - grist mixed for cleaning

- production schedule
- cleaning materials and equipment
- specifications:
  - work procedures, including advice on safe work practices, food safety, quality and environmental requirements
  - basic information on equipment capacity and operating parameters.
- relationships:
  - supervisor/head miller.

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=78b15323-cd38-483e-aad7-1159b570a5c4>