



Australian Government

FBPGRA3014 Implement a rice seed preparation and storage system

Release: 1

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Modification History

Release	Comments
Release 1	This version released with the FBP Food, Beverage and Pharmaceuticals Training Package Version 1.0

Application

This unit of competency describes the skills and knowledge required to manage preparation and storage of rice seeds for planting.

The unit applies to individuals who are production workers in the rice grain receivals sites and are responsible for receiving paddy rice for preparation and storage for agricultural use. They work under minimal supervision and take responsibility for their own work and that of others in their team.

All work must be carried out to comply with workplace procedures, in accordance with State/Territory food safety, and work health and safety, regulations and legislation that apply to the workplace.

No occupational 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. Produce high quality seed	1.1 Label seed clearly and accurately to company requirements 1.2 Apply improvement measures to agricultural seed stock to be

Elements	Performance criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	stored
2. Determine seed requirements	2.1 Calculate seed requirements for the area to be sown 2.2 Check seed varieties against available market data and details, and report according to workplace procedures
3. Evaluate, grade and test seed stocks	3.1 Ensure seed is graded to required size 3.2 Collect seed samples, package and send for testing according to workplace procedures 3.3 Maintain workplace records according to workplace procedures
4. Collect and deliver seed	4.1 Estimate delivery or supply terms, and apply when collecting or delivering seed 4.2 Ensure seed sold or purchased conforms to legislation and regulations 4.3 Arrange appropriate delivery resources according to workplace procedures 4.4 Complete sales and purchase documentation according to workplace procedures
5. Store seed safely	5.1 Select and prepare seed storage within food safety requirements 5.2 Organise seed handling and storage equipment and related attachments and materials 5.3 Ensure seed is stored safely under conditions that maintain quality and viability according to workplace health and safety procedures 5.4 Monitor seed systematically for pest status, and apply control measures according to workplace procedures 5.5 Label seed according to workplace procedures 5.6 Clean and maintain seed storage and work area according to workplace procedures

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.

Skills	Description
Reading	Reads and interprets plans, specifications, and other documentation from a variety of sources, and consolidates information to determine rice storage and preparation requirements
Writing	Accurately records and completes organisational documentation using clear language, correct spelling, grammar and terminology when reporting and maintaining rice grain storage records
Numeracy	- Makes calculations appropriate for measuring and estimating rice weights and volumes for seed sowing and storage - Performs mathematical calculations for testing and interpreting rice samples and results to determine action
Oral communication	Effectively participates in verbal exchanges using collaborative and inclusive techniques, including active listening and questioning and reading of verbal and non-verbal signals to convey and clarify information
Navigate the world of work	- Takes full responsibility for following policies, procedures, industry standards and legislative requirements - Identifies and acts on issues that contravene relevant policies, procedures and legal requirements
Interact with others	Cooperates with others and contributes to work practices where joint outcomes are expected and deadlines are to be met
Get the work done	- Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes - Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations - Uses the main features and functions of digital tools to complete work tasks and access information

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPGRA3014 Implement a rice seed preparation and storage system	ZRGRPSP3A Operate a rice seed preparation and storage system	Updated to meet Standards for Training Packages Changes to title, elements and performance criteria	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPGRA3014 Implement a rice seed preparation and storage system

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Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.

There must be evidence that the individual has implemented a rice seed preparation and storage system for at least three rice grain varieties, including:

- accessed and interpreted workplace information to identify seed preparation and storage requirements
- confirmed availability of necessary seed handling and storage equipment and related attachments, materials and services
- followed workplace health and safety procedures
- followed workplace food safety procedures
- monitored the seed preparation and storage process and equipment operation to identify out-of-specification results or non-compliance, including:
 - maintaining seed segregation
 - collecting seed samples
 - recording information
 - testing seeds
- diagnosed common faults, and rectified or reported equipment failure within level of responsibility and according to workplace procedures
- taken corrective action in response to out-of-specification results or non-compliance
- calculated seed requirements for planting
- maintained work area to meet housekeeping standards
- maintained workplace records.

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 operating principles of the seed preparation and storage process

- seed varieties and related treatments, including:
 - cleaning
 - handling
 - storage requirements
- rice seed varieties, market demand and availability
- methods to identify and separate weed seeds and contaminants from seed stock
- optimal storage/germination conditions and how these can be achieved
- seed pests and related control measures
- sources of purchased seed
- sampling and testing procedures
- methods used to calculate seed requirements
- methods of measuring rice condition and controlling the handling and storage conditions
- common causes of variation in rice quality/handling/storage practice, and corrective actions required
- significance and methods of monitoring control points within the seed storage and preparation process
- operation and monitoring of equipment and processes, including control panels and systems
- workplace health and safety hazards and controls
- procedures and responsibility for reporting performance information
- seed preparation and storage process and equipment, including:
 - taking samples and conducting tests
 - monitoring conditions, including, moisture, humidity and temperature of storage facilities
 - effectiveness of measures to prevent pest infestation
- workplace procedures, regulatory and licensing requirements for seed preparation and storage
- legislation relevant to this industry, including:
 - food standards code, including, labelling, weights and measures, and food safety
 - agricultural seed
 - environmental management
 - work health and safety
 - anti-discrimination and equal opportunity
- seed preparation and storage equipment, including:
 - transfer equipment
 - weighers
 - storage bins
- seed improvement measures, including:
 - roguing of off-types and undesirable weeds
 - grading out weed seeds, small grains and other impurities
- sales, packaging and transport of rice for agricultural purposes, including:

- sales and delivery procedures and documentation
- packaging methods
- transport methods and arrangements
- seed testing, including:
 - purity testing
 - grain size
 - viability
- cleaning requirements and cleaning records.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - an industrial rice processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective clothing and equipment
 - seed control system
 - seed preparation, handling and storage equipment
 - cleaning materials and equipment
- specifications:
 - work procedures, including advice on safe work practices, food safety, quality and environmental requirements
 - information on equipment capacity and operating parameters
 - equipment operating instructions and manuals
 - sampling schedules and test procedures and equipment
 - documentation and recording requirements and procedures
 - communication and recording systems and procedures
 - cleaning procedures, records/clearance
 - production schedule
 - routine preventative maintenance schedule as required.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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