



Australian Government

FBPVIT2005 Maintain callusing environment

Release: 1

FBPVIT2005 Maintain callusing environment

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to maintain a callusing environment in a vineyard.

The unit applies to individuals who are required to follow workplace procedures to complete tasks associated with callusing operations.

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 occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Viticulture (VIT)

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 callusing environment	1.1 Identify and confirm job requirements 1.2 Select, fit and use personal protective equipment according to job requirements 1.3 Ensure materials required are available and ready 1.4 Select and use equipment according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Prepare, clean and sanitise work area, equipment and boxes according to workplace procedures 1.6 Prepare pre-mixed callusing media according to workplace procedures
2. Prepare cuttings for callusing	2.1 Prepare cuttings for callusing according to workplace procedures 2.2 Apply pre-callusing treatments according to workplace procedures and safety guidelines 2.3 Count, bundle and label cuttings according to workplace procedures 2.4 Place cuttings into boxes according to workplace procedures
3. Maintain cuttings in callusing room	3.1 Place cuttings into callusing environment according to workplace procedures 3.2 Maintain callusing environment according to workplace procedures 3.3 Monitor cuttings for potential health problems and report or apply treatments according to workplace procedures 3.4 Apply post-callusing treatments to maintain plant health according to workplace procedures
4. Carry out post-callusing operations	4.1 Remove callused cuttings from callusing room 4.2 Collect and dispose of waste according to workplace environmental and workplace procedures 4.3 Clean and sanitise facilities according to workplace procedures 4.4 Undertake work in accordance with workplace environmental guidelines 4.5 Record workplace information 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.

Skill	Description
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Skill	Description
Reading	Comprehend information from a variety of workplace documents
Oral Communication	Converse clearly using industry-specific language
Numeracy	Calculate numerical information relating to counting, labelling and storing
Navigate the world of work	Apply workplace procedures to own role and responsibilities
Get the work done	Respond to routine problems by referring to workplace procedures

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPVIT2005 Maintain callusing environment	FDFWGG2005A Maintain callusing environment	Updated to meet Standards for Training Packages Code changed to reflect industry sector Minor changes to Elements and Performance Criteria for clarity	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

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

Assessment Requirements for FBPVIT2005 Maintain callusing environment

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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 prepared cuttings for callusing and maintained the callusing environment on at least two separate occasions including:

- identifying health and safety hazards and controls in the workplace
- selecting, fitting and using personal protective equipment (PPE)
- observing hygiene and housekeeping standards including cleaning and sanitising of work area, equipment and boxes
- preparing callusing media and boxes to specification
- preparing cuttings and applying pre-callusing treatment
- placing cuttings into callusing boxes
- monitoring and maintaining callusing environment to specification
- monitoring cuttings for correct callusing and reporting problems according to procedures
- applying post-callusing treatments
- removing callused cuttings
- recording appropriate information.

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:

- health and safety hazards and controls in the workplace, including:
 - purpose of PPE
 - correct operating procedures for equipment
 - safe and effective handling of equipment
 - safe preparation and handling of chemicals
- cleaning requirements and procedures for work area and equipment
- principles of nursery hygiene

- environmental considerations and required controls
- waste disposal requirements and procedures
- correct procedures for preparing cuttings for callusing
- correct procedures for placing cuttings into boxes
- effects of variety, clone and source of cuttings on the placement and labelling of cuttings in boxes
- purpose and benefit of carrying out pre- and post-callusing treatments
- procedures used to carry out pre- and post-callusing treatments
- procedures for preparing pre-mixed callusing media
- factors in a controlled callusing environment that affect the vine cutting:
 - methods of pasteurising and treating callusing media
 - temperature
 - relative humidity
 - moisture levels of growing medium
- methods for setting, monitoring and maintaining the required temperature and relative humidity
- correct procedures for preparing callusing boxes
- quality control process in the callusing environment
- common problems that occur during callusing and how to resolve them
- procedures and responsibilities for reporting problems and anomalies
- procedures for maintaining workplace records
- procedures for selecting, operating, maintaining and storing the required equipment
- correct procedures for removing and transferring callused cuttings.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a plant nursery workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - equipment, services and corresponding information relevant to callusing
 - products and materials for callusing
 - cleaning procedures, materials and equipment
 - documentation, recording requirements and procedures
- specifications:
 - work procedures, including advice on company practices, safe work practices, quality and environmental requirements
 - work instructions and schedules.

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

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