



Australian Government

FBPVIT2001 Bench graft vines

Release: 1

FBPVIT2001 Bench graft vines

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 select appropriate vine material, prepare cuttings, graft and undertake post-graft treatment and storage.

The unit applies to individuals in wine grape nurseries who work under general supervision, with limited autonomy and accountability for their own work.

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 to bench graft vines	1.1 Confirm job requirements 1.2 Confirm environmental guidelines and identify potential health and safety hazards and controls according to workplace procedures 1.3 Select, fit and use appropriate personal protective equipment 1.4 Ensure work area meets workplace requirements

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 Ensure materials are available to meet grafting requirements 1.6 Select and prepare cuttings for grafting 1.7 Check and set equipment to meet grafting specifications
2. Bench graft vines	2.1 Disbud cuttings according to workplace procedures 2.2 Bench graft cuttings according to workplace procedures 2.3 Treat graft union according to specifications and workplace procedures 2.4 Monitor grafting process and equipment to ensure results are maintained within specifications 2.5 Identify and address non-conformance according to workplace procedures
3. Complete bench grafting activities	3.1 Identify appropriate shutdown procedures 3.2 Pack, label and store grafted vines according to workplace procedures 3.3 Collect, treat and dispose of waste according to workplace waste procedures 3.4 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
Reading	Comprehend information from a variety of workplace documents
Numeracy	Count and record numerical information related to labelling and storage of grafted vines
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
FBPVIT2001 Bench graft vines	FDFWGG2001A Bench graft vines	Updated to meet Standards for Training Packages Code changed to reflect industry sector Minor changes to 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 FBPVIT2001 Bench graft vines

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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 to bench graft vines, bench grafted vines and completed the bench grafting activities at least once, including:

- identifying health and safety hazards and controls in the workplace
- selecting, fitting and using personal protective equipment according to job requirements
- selecting and preparing appropriate vine material for grafting, including disbudding
- performing bench grafting of vines according to workplace practices
- following workplace requirements for grafting and post-grafting treatment and packing of vines
- monitoring grafted vines by identifying, rectifying or reporting out-of-specification vine grafts
- identify and address non-conformance
- cleaning up and storing equipment according to workplace requirements
- disposing of waste according to environmental policies and workplace procedures
- maintaining records according to workplace procedures.

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
- purpose and principles of grafting and disbudding
- criteria for successful grafting:
 - variety and clone
 - matching cambium
 - matching bevels and sizes
 - wood diameters
 - customer or workplace requirements

- importance of selection and use of rootstock and vinifera
- advantages of using clonal and registered vine improvement rootstock material
- criteria for selecting parent vines for scion material
- procedures and optimum conditions for the storage of grafting material
- preparing vine material for grafting, including:
 - removal from cold storage
 - soaking
 - heat treatment
 - disbudding
 - hydration
 - grading
- procedures for monitoring the grafting process and equipment operation to identify non-conformance
- purpose and components of grafting equipment and cleaning equipment
- packing, labelling and storing grafted vines relevant to:
 - cold room layout
 - cold room temperature variations
 - customer requirements
 - storage time requirements
 - care of vines to minimise damage by moisture and disease
- procedures and responsibility for reporting problems
- environmental issues and controls, including:
 - identifying, rectifying and reporting environmental non-conformance
 - sorting, collecting, treating, recycling or disposing of waste
- cleaning requirements and procedures for work area and equipment
- reporting and recording required information.

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:
 - appropriate personal protective equipment
 - equipment, services and corresponding information
 - products and materials
 - cleaning procedures, materials and equipment
 - documentation and recording requirements and procedures
- specifications:

- work procedures, including advice on company practices, safe work practices, quality and environmental requirements
- workplace grafting specifications
- work instructions and schedules
- legislative and local quarantine regulations and codes of practice.

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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