



Australian Government

FBPVIT3006 Field graft vines

Release: 2

FBPVIT3006 Field graft vines

Modification History

Release 2	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.
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 and graft vines in the field.

The unit applies to individuals are required to follow workplace procedures in completing tasks associated with a grape growing workplace and take responsibility for their own work using discretion and judgement in the selection and use of available resources.

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 are known to 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 field graft vines	1.1 Confirm work instructions and identify potential health and safety hazards and controls according to job requirements 1.2 Select, fit and use personal protective equipment

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Check and set equipment to meet job requirements 1.4 Ensure materials are available to meet grafting requirements according to workplace procedures 1.5 Select and prepare vine material for grafting according to workplace procedures
2. Graft vines in the field	2.1 Graft vines in the field according to workplace procedures 2.2 Treat vine graft unions according to workplace procedures 2.3 Treat vines post grafting and pack according to workplace procedures 2.4 Monitor grafting process and equipment to ensure results are maintained according to workplace procedures 2.5 Identify and address non-conformances
3. Complete field grafting activities	3.1 Clean and store equipment according to workplace procedures 3.2 Dispose of or store unused grafting material according to workplace procedures 3.3 Collect, treat and dispose waste according to workplace environmental procedures 3.4 Complete documentation 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
Writing	Complete workplace documents in required format
Oral Communication	Communicate clearly to confirm grafting requirements
Navigate the world of work	Apply workplace procedures and legislative responsibilities to own role

Skill	Description
Interact with others	• Use required communication mode to report operational information to relevant personnel
Get the work done	• Plan, sequence and implement tasks according to set routines and procedures • Problem solve issues as they arise

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPVIT3006 Field graft vines Release 2	FBPVIT3006 Field graft vines Release 1	Minor changes to Knowledge Evidence	Equivalent

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 FBPVIT3006 Field graft vines

Modification History

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

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 safely and effectively grafted vines in the field on at least two separate occasions including:

- selecting and preparing vine material for grafting, including disbudding
- using and fitting personal protective equipment (PPE)
- carrying out grafting of vines in the field according to workplace procedures
- conducting post-grafting treatment and packing of vines
- monitoring grafted vines, identifying and reporting non-compliances
- disposing of waste according to environmental workplace procedures
- recording and reporting results of grafting 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:

- purpose of grafting
- various methods of budding and grafting
- criteria for successful grafting
- criteria for selecting parent vines for scion material:
 - variety and clone
 - matching cambium
 - matching bevels and sizes
 - viable buds
 - achievement of tight unions
- preparing vine material for grafting:
 - soaking buds
 - working appropriate incisions
 - hot water treatment of cuttings

- virus tests
- compatibility tests
- hydration of cuttings
- cutting to size
- grafting vines in the field:
 - bud location to graft
 - cohesion of graft union
- vine treatments after grafting:
 - securing with tape
 - painting
- waxing
- storing unused grafting material
- correct procedure and optimum conditions for the storage and handling of vine material until required for grafting
- advantages of using clonal and registered vine improvement material
- importance of selection and use of rootstock
- stages of the grafting procedure and their purpose
- procedures for monitoring the process and equipment operation to identify out-of-specification results or non-compliance:
 - percentage take
 - weather conditions
 - pests and diseases
 - common problems and corrective action required
- purpose, components and operation of grafting equipment:
 - routine maintenance procedures for equipment
- methods of callusing vine cuttings and the criteria for best callus development
- procedures and responsibilities for reporting problems
- work health and safety (WHS) hazards and controls:
 - selecting, fitting and using appropriate personal protective clothing and equipment
- environmental issues and controls
- cleaning requirements for work area and equipment
- recording requirements and procedures.

Assessment Conditions

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

- physical conditions:
 - a grape growing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- PPE
- field grafting equipment and services
- grape vines
- cleaning procedures, materials and equipment
- system for recording information
- specifications:
 - workplace procedures, including advice on company practices, safe work practices, 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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