



Australian Government

AHCPHT217 Undertake field budding and grafting

Release: 1

AHCPTH217 Undertake field budding and grafting

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to prepare parent material and budding and grafting materials for budding and grafting, and bud and graft trees, shrubs, vines and other plant types in nurseries or in-field situations.

The unit applies to individuals who undertake field budding and grafting under general supervision with limited autonomy or accountability.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Production Horticulture (PHT)

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 parent material for budding and grafting	1.1 Confirm budding and grafting activities with supervisor 1.2 Clean tools and equipment according to workplace procedures 1.3 Prepare plant material and use appropriate method for taking budding or grafting material 1.4 Select and use tools and equipment appropriate to field budding and grafting 1.5 Select and maintain personal protective equipment (PPE)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	according to workplace health and safety requirements 1.6 Fit and use PPE applicable to the task being undertaken
2. Prepare budding and grafting materials	2.1 Select budding and grafting material for propagation 2.2 Use appropriate storage methods to maintain viability of materials 2.3 Dispose of discarded material according to workplace procedures 2.4 Prepare stock according to species guidelines 2.5 Handle budding and grafting materials and stock in a way that prevents damage
3. Bud and graft scion	3.1 Select budding and grafting method according to species guidelines 3.2 Seal bud and graft according to workplace procedures 3.3 Affix labels and identification
4. Complete budding and grafting activities	4.1 Clean, maintain and return tools and equipment to required location 4.2 Identify and report unserviceable tools and equipment according to workplace procedures 4.3 Return materials to store and dispose of waste and unused grafting material according to supervisor instructions 4.4 Record and report budding and grafting activities 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	Interpret textual information from a range of sources to identify relevant and key information about field budding and grafting
Writing	Use clear language and accurate industry terminology to record budding and grafting activity

Skill	Description
Oral communication	Use clear language to confirm and report budding and grafting activities and report tool and equipment unserviceability to supervisor

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT217 Undertake field budding and grafting	AHCPHT204 Undertake field budding and grafting	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPTH217 Undertake field budding and grafting

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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 undertaken field budding and grafting on at least three occasions, and has:

- selected, cleaned, used and maintained field budding and grafting tools and equipment
- selected and prepared stock for budding and grafting
- applied workplace health and safety requirements
- stored, removed or disposed of unused grafting material
- applied budding and grafting techniques applicable to plant species
- treated plants after budding and grafting
- recorded and reported budding and grafting activities 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:

- principles and practices for field budding and grafting, including:
 - cleaning requirements of work area and equipment
 - common problems and corrective action required
 - environmental issues and controls
 - importance of selection and use of rootstock
 - maintenance requirements of equipment
 - operation, components and purpose of budding and grafting equipment
 - plant features and processes relevant to budding and grafting
 - procedures and responsibilities for reporting problems
 - recording requirements and procedures
 - rootstock and scion stock

- stages of the budding and grafting procedure and their purpose
- workplace requirements applicable to health and safety in the workplace for field budding and grafting.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plants, rootstock, and budding and grafting material
 - budding and grafting tools and equipment
 - personal protective equipment applicable to plant budding and grafting
- specifications:
 - workplace requirements applicable to health and safety in the workplace, and for field budding and grafting
 - work instructions and workplace procedures applicable to field budding and grafting
- relationships:
 - supervisor
- timeframes:
 - according to job requirements.

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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