



Australian Government

FBPVIT2013 Recognise disorders and identify pests and diseases

Release: 1

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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 recognise the symptoms and identify the cause of pests, diseases and plant disorders.

The unit applies to individuals who carry out workplace procedures in completing tasks associated with pest and disease control.

All work must be carried out to comply with workplace procedures according to state/territory health and 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. Monitor vine health	1.1 Confirm job requirements 1.2 Identify health and safety hazards and controls according to workplace procedures 1.3 Select, fit and use personal protective equipment according to job requirements 1.4 Monitor vineyard for pests, diseases and vine disorders according

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	to workplace procedures 1.5 Recognise vine disorder symptoms and identify causes including pests and diseases according to workplace procedures
2. Assess and report symptoms of vine pests, diseases and disorders	2.1 Assess severity and determine extent of pests, diseases or vine disorders according to workplace procedures and industry specifications 2.2 Identify vineyard location where pests, diseases or vine disorders are present 2.3 Record and report details of pests, diseases or vine disorders 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	Produce workplace documents using industry-based vocabulary, grammar and conventions
Numeracy	Calculate numerical information relating to estimating degree of infestation and disorders
Navigate the world of work	Apply workplace procedures and legislative responsibilities to own role
Get the work done	- Respond to routine problems by referring to workplace procedures - Plan and organise tasks to achieve job requirements

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

FBPVIT2013 Recognise disorders and identify pests and diseases	FDFWGG2017A Recognise disorders and identify pests and diseases	Updated to meet Standards for Training Packages Code changed to reflect industry sector Minor changes to Elements and Performance Criteria for clarity	Equivalent unit
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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 FBPVIT2013 Recognise disorders and identify pests and diseases

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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 identified, assessed and reported symptoms of vine pests, diseases and disorders for at least two different vines including:

- selecting, fitting and using personal protective equipment (PPE)
- recognising symptoms of vine pests, diseases and disorders
- determining the cause of symptoms
- assessing the location and extent of spread
- determining the severity of pests, diseases and vine disorders
- recording and reporting findings 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 of workplace's integrated pest management program and importance of identifying vine disorders, pests and diseases
- responsibilities for health and safety in the workplace including:
 - health and safety hazards associated with treatment of disorders, pests and diseases
 - methods for controlling risks associated with health and safety hazards
- responsibilities for identifying and controlling environmental issues
- PPE
- vine physiology, as it applies to:
 - water intake
 - nutrient uptake
 - photosynthesis
 - transpiration, respiration and translocation

- parts of the root, trunk, shoot and fruit systems of the grapevine and their role in how the vine works:
 - buds, nodes and tendrils
 - cambium, epidermis, phloem and xylem
 - leaf blade, bract and petiole
 - bunch, berries and flowers
- annual growth stages of grapevines:
 - budburst
 - flowering
 - veraison
 - maturity
- vine types, characteristics and uses including:
 - family, genus and species names and categories
 - *Vitis vinifera* and commercial varieties
 - native species and hybrids (e.g. *V. labrusca*)
 - root stocks and scion stock
- key grape varieties and distinguishing features, including berry and bunch characteristics:
 - frost and disease resistance
 - flavour and style
- signs and symptoms of common vine disorders, pests and diseases including:
 - light brown apple moth
 - powdery mildew
 - downy mildew
 - botrytis
 - mites
 - fruit fly
- reporting responsibilities and procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a vineyard workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - equipment and materials for monitoring and controlling pests, diseases and disorders
 - system for recording and reporting information
- specifications:
 - workplace procedures for reporting pests, diseases and disorders
 - 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.

Links

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