Modification history

|  |  |
| --- | --- |
| Release | Comments |
| Release 1 | This version released with FBP Food, Beverage and Pharmaceuticals Training Package version 2.0 |

| FBPVIT2017 | Recognise disorders and identify pests and diseases |
| --- | --- |
| 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 at all stages of vine growth and to report details to appropriate personnel.The unit applies to individuals who work under general supervision, with limited autonomy and accountability for their own work.No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food safety regulations, legislation and standards that apply to the workplace. |
| Prerequisite Unit | Nil |
| Unit Sector | Viticulture (VIT) - Vine & Soil Health |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Monitor vine health | 1.1 Confirm work instructions and identify potential WHS hazards and controls in accordance with workplace procedures 1.2 Select and use personal protective clothing and equipment relevant to the job role 1.3 Monitor vineyard for pests, diseases and disorders to meet workplace requirements1.4 Recognise symptoms of pests, diseases and disorders in an accurate and timely manner |
| 2. Assess and report symptoms of vine pests, diseases and disorders | 2.1 Identify pests, diseases or disorders from symptoms accurately2.2 Assess severity of pest, diseases or disorders using workplace and industry specifications2.3 Determine extent of spread of pests, diseases or disorders2.4 Identify vineyard location where pests, diseases or disorders are present 2.5 Report details of pests, diseases or disorders according to workplace procedures |

| Foundation SkillsThis 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 | * Reads and interprets instructions and specifications for monitoring and identifying pests, diseases and disorders in the vineyard and consolidates information to determine requirements
 |
| Writing | * Prepares relevant reports and other documentation using clear language, correct spelling and industry terminology
 |
| Numeracy | * Uses basic mathematical concepts in estimating the extent of infestation of pests diseases or disorders
 |
| Oral Communication | * Uses clear language and oral concepts when clarifying and confirming work requirements
 |
| Navigate the world of work | * Recognises organisational expectations and follows explicit protocols and procedures within defined level of responsibility
 |
| Get the work done | * Follows clearly defined instructions and sequencing, and monitors own progress for the task, seeks assistance when necessary
* Makes low-impact decisions around immediate clearly defined tasks
* Recognises and acts on opportunities for continuous improvement in accordance with workplace practices
 |

|  |
| --- |
| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPVIT2017 Recognise disorders and identify pests and diseases | FDFWGG2017A Recognise disorders and identify pests and diseases | Updated to meet Standards for Training Packages Minor changes to Elements and Performance Criteria for clarity | Equivalent unit |

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4> |

| TITLE | Assessment requirements for FBPVIT2017 Recognise disorders and identify pests and diseases |
| --- | --- |
| 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 recognised and assessed symptoms of vine disorders, pests and diseases on at least two different vines, including:* 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 disorders
* 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:* range of vine monitoring procedures
* basic vine physiology, as it applies to:
* water intake
* nutrient uptake
* photosynthesis
* transpiration, respiration
* 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, their characteristics and uses:
* family, genus and species
* Vitis vinifera and commercial varieties
* native species and hybrids (e.g. V. labrusca)
* root stocks and scion stock
* key grape varieties and their distinguishing features:
* berry and bunch characteristics:
* frost and disease resistance
* flavour and style
* a range of common vine disorders, pests and diseases:
* light brown apple moth (LBAM)
* powdery mildew
* downy mildew
* botrytis
* mites
* fruit fly
* sources of information for identifying problems including technology systems
* influence of climatic factors on the occurrence and development of vine disorders, pests and diseases:
* pest and disease tolerance thresholds
* vine disorder reporting requirements and procedures
* reporting responsibilities and procedures
* basic principles of workplace’s integrated pest management (IPM) program and importance for correctly identifying problems
* monitoring the health and growth of vines as required:
* environmental factors
* cultural factors
* signs and symptoms of pests and diseases
* signs and symptoms of plant disorders.
 |

| Assessment Conditions |
| --- |
| Assessment of skills must take place under the following conditions: * physical conditions:
* a workplace or an environment that accurately represents workplace conditions
* resources, equipment and materials:
* equipment, services and corresponding information used to monitor and control pests diseases and disorders
* documentation and recording requirements and procedures
* reference materials and digital technology for identifying pests, diseases and disorders
* specifications:
* work procedures required for reporting pests diseases and disorders
* legislative and local quarantine regulations and codes of practice
* instructions, information, specifications and schedules used in managing vine health.

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

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4> |