Modification history

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

| FBPVIT3012 | Monitor and control vine disorders and damage |
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| Application | This unit of competency describes the skills and knowledge required to recognise, identify and monitor a variety of vine disorders and damage, and recommend and implement preventive or corrective action.The unit applies to individuals who work under broad direction and take responsibility 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 |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Monitor vine health | 1.1 Interpret and 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 and recognise evidence of vine disorders, pests and diseases1.4 Identify cause of symptoms of disorders, pests or diseases1.5 Identify and recommend appropriate remedial actions with supervisor for approval |
| 2. Implement control measures | 2.1 Coordinate resources and brief personnel to deliver requirements as recommended2.2 Implement approved control measures to maintain workplace standards |
| 3. Evaluate effectiveness of control activities | 3.1 Monitor vineyard to evaluate the effectiveness of treatment3.2 Record workplace information 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. |
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| Skill | Description |
| Reading | * Reads and interprets instructions, specifications, and other documentation from a variety of sources and consolidates information to determine requirements
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| Writing | * Accurately records and completes organisational documents using clear language and correct spelling, grammar and terminology
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| Numeracy | * Interprets numerical information relating to specifications, treatments and schedules for control activities
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| Oral Communication | * Effectively participates in verbal exchanges using collaborative and inclusive techniques including active listening and questioning and reading of verbal and non-verbal signals to convey and clarify information when coordinating resources and discussing recommendations
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| Navigate the world of work | * Complies with explicit policies and procedures
* Explores and implements where identified the implicit expectations of policies and procedures
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| Interact with others | * Uses a limited range of accepted practices for communicating in a work environment
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| Get the work done | * Plans and implements routine tasks and workload making limited decisions on sequencing, timing and collaboration, seeks approval for setting priorities and goals
* Responds to predictable routine problems and implements standard or logical solutions
* Recognises and acts on opportunities for continuous improvement in accordance with workplace practices
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPVIT3012 Monitor and control vine disorders and damage | FDFWGG3012A Monitor and control vine disorders and damage | Updated to meet Standards for Training Packages Minor changes to Performance Criteria for clarity | Equivalent unit |

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| 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 FBPVIT3012 Monitor and control vine disorders and damage |
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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 followed all steps to monitor and control vine disorders and damage on at least two separate occasions, including:* following work health and safety procedures and using personal protective clothing and equipment
* recognising symptoms of vine disorders and damage and recommending appropriate treatments
* implementing treatments according to requirements
* evaluating effectiveness of treatments
* completing workplace documentation.
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| Knowledge Evidence |
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| 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:* pests diseases and disorders that affect grape vines:
* symptoms of vineyard pests, diseases, disorders and weeds, and their treatment
* effect of pests, diseases, disorders and weeds on vine, fruit and/or wine quality
* effect of prevention, control and eradication techniques on vine, fruit and/or wine quality
* basic vine physiology, as it applies to disorders:
* water intake
* nutrient uptake
* photosynthesis
* respiration, transpiration
* translocation
* parts of the root, trunk, shoot and fruit systems of the grapevine, their role in how the vine works and their contribution to fruit quality:
* 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
* on set of ripening
* maturity
* vine types, their characteristics and uses:
* family, genus and species
* Vitis vinifera and commercial varieties
* native species and hybrids (e.g. V. labrusca)
* rootstocks and scion stock
* key grape varieties and their distinguishing features:
* berry and bunch characteristics
* frost and disease resistance
* flavour and style
* industry processes for new variety development
* climatic implications and influence on the occurrence, development and treatment of vine disorders and damage
* resistance management strategies
* features and benefits of a variety of preventive, control and eradication techniques, including costs and interaction with environmental conditions
* environmental issues associated with preventive, control and eradication techniques, community issues and concerns
* monitoring techniques and procedures
* work health and safety (WHS) hazards and controls:
* implement workplace health and safety procedures
* evaluation techniques
* procedures and responsibility for reporting problems
* reporting and recording requirements and procedures
* procedures for rectifying and reporting environmental non-compliance
* procedures for maintaining workplace records
* procedures for instructing and supervising vineyard personnel and contractors.
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| Assessment Conditions |
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| 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:
* personal protective clothing and equipment
* equipment, services and corresponding information
* grape vines in nursery or vineyard
* hygiene 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
* instructions, information, specifications 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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