Modification history

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| Release | Comments |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0. |

| FBPVIT3XXX | Perform shed nursery activities |
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| Application | This unit of competency describes the skills and knowledge required to treat and prepare vine cuttings and freshly dug rootlings for sale or planting in the vineyard.The unit applies to individuals who carry out workplace procedures in completing tasks associated with shed nursery activities.All work must be carried out to comply with workplace procedures, in accordance with state/territory work health and safety legislation and standards that apply to the workplace. No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Viticulture (VIT) |

| 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. Prepare cuttings for callusing | 1.1 Confirm job requirements1.2 Confirm environmental guidelines and identify potential workplace health and safety hazards and controls according to workplace procedures 1.3 Select and fit personal protective equipment according to job requirements1.4 Count, bundle and label cuttings according to workplace procedures1.5 Treat and store cuttings according to workplace procedures |
| 2. Prepare and maintain callusing environment | 2.1 Prepare sand bed or callusing room according to workplace procedures2.2 Place cuttings into callusing environment according to workplace procedures2.3 Maintain callusing environment according to workplace procedures |
| 3. Prepare rootlings for customer or planting | 3.1 Trim, grade, pack and store rootlings according to according to workplace procedures3.2 Collect and dispose of waste according to environmental and workplace procedures3.3 Identify and address non-conformances3.4 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 | * Interpret information from a variety of workplace documents
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| Numeracy | * Calculate numerical information relating to specifications, treatments and schedules
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| Navigate the world of work | * Apply workplace procedures and legislative responsibilities relevant to own role
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| Get the work done | * Plan and organise work to achieve job requirements
* Respond to routine problems by referring to workplace procedures
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPVIT3XXX Perform shed nursery activities | FDFWGG3011A Perform shed nursery activities | Updated to meet Standards for Training PackagesCode changed to reflect industry sectorMinor 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 FBPVIT3XXX Perform shed nursery activities |
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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 effectively treated and prepared vine cuttings and freshly dug rootlings on at least two separate occasions including :* identifying and using personal protective equipment
* following workplace health and safety and environmental procedures
* conducting cuttings treatment and callusing activities according to workplace procedures
* preparing rootlings for packing and storage
* maintaining nursery environment to optimise plant health
* identifying and addressing non-conformances
* completing 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:* workplace health and safety hazards and environmental controls:
* selecting and fitting personal protective equipment
* procedures and responsibilities for reporting problems
* common features of healthy vine cuttings or rootlings:
* thickness of original cane
* no evidence of pests and diseases
* number, strength and distribution of new roots
* number, maturity and distribution of shoots
* visually complete and robust graft union
* common features of unhealthy vine cuttings or rootlings:
* galls on stem and roots
* no shoots or roots
* damaged or destroyed buds
* excessive disease staining or spots on canes
* immature wood
* shoots on incorrect nodes
* faulty or broken graft unions
* too few or unevenly distributed root development
* pre-callusing treatment requirements:
* purpose and benefit of treatments
* fungicide treatment
* re-hydration
* scoring
* root promoter treatment
* cutting just below basal bud
* assimilation after cool storage
* storage requirements of cuttings prior to callusing:
* preparation requirements of callusing environment
* callusing options
* optimum callusing environment and its effect on the vine cutting
* common problems that occur during callusing and how they should be resolved
* preparation requirements for rootlings and procedures for sales or transfer to vineyard
* package or storage requirements and procedures for rootlings ready for sale or transfer:
* handling cuttings or rootlings to minimise damage
* counting, bundling and labelling cuttings as required
* factors that influence how a cutting should be graded:
* rootling preparation
* packing preparation
* packaging and storage requirements
* preparing sand bed or callusing room as required:
* packing sand or vermiculite
* lining boxes
* ensuring heaters and ventilators are working correctly to required temperature
* planting or placing cuttings in callusing environment as required:
* feeling into ground or sand
* packing into boxes with vermiculite
* watering in
* correct number of cuttings per box
* spacing (not too tight)
* correct way up (basal end at bottom)
* arranging according to variety, clone and source
* labelling and mapping of beds
* adding hormone mixes
* monitor callusing environment to maintain optimum conditions:
* temperature
* relative humidity
* moisture levels of growing medium
* weed and pest prevention
* packing rootlings to comply with customer requirements and standards:
* maintenance of rootling health
* minimisation of vine damage
* mode of transport
* destination time
* storage time and method
* prevention of dehydration
* trimming rootlings (top growth and roots) ready for planting
* grading rootlings to comply with customer requirements
* waste disposal requirements and procedures
* hygiene requirements and procedures for work area and equipment, and considerations handling different batches and varieties
* environmental issues and controls:
* identifying, rectifying and reporting environmental non-compliance
* collecting, sorting, grading, treating and disposing of waste as required
* reporting and recording requirements
* preparing and mixing chemicals safely
* recognising problems and anomalies with vines, equipment and materials.
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| Assessment Conditions |
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| Assessment of skills must take place under the following conditions: * physical conditions:
* a shed nursery workplace or an environment that accurately represents workplace conditions
* resources, equipment and materials:
* personal protective clothing and equipment
* shed nursery equipment, services and corresponding information
* cuttings, rootlings, materials and resources required for shed nursery work
* documentation and recording requirements and procedures
* specifications:
* work procedures, including advice on company practices, safe work practices, workplace hygiene, plant 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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