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. |

| AHCPHT3011 | 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 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 | Production horticulture (PHT) |

| 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 work instructions and identify potential WHS hazards and controls in accordance with workplace procedures  1.2 Select and fit personal protective clothing and equipment according to the job requirements  1.3 Count, bundle and label cuttings according to workplace procedures  1.4 Treat cuttings according to workplace practices  1.5 Store cuttings according to workplace practices |
| 2. Prepare and maintain callusing environment | 2.1 Prepare sand bed or callusing room according to workplace practices  2.2 Place cuttings into callusing environment according to work instructions  2.3 Maintain optimum callusing environment according to requirements |
| 3. Prepare rootlings for customer or planting | 3.1 Trim, grade, pack and store rootlings according to workplace practices  3.2 Collect and dispose of waste according to environmental and workplace procedures  3.3 Recognise, rectify or report problems and anomalies  3.4 Conduct work to comply with workplace environmental guidelines  3.5 Record workplace information 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. | |
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| Skill | Description |
| Reading | * Comprehend textual information from a variety of workplace documents accurately |
| Oral Communication | * Converse clearly using industry-specific language |
| Numeracy | * Calculate numerical information relating to specifications, treatments and schedules |
| Navigate the world of work | * Comply with policies and procedures * Recognise own work performance and seek assistance where required |
| Get the work done | * Plan and organise work efficiently * Identify and solve problems creatively * Recognise and act 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 |
| AHCPHT3011 Perform shed nursery activities | FDFWGG3011A Perform shed nursery activities | Updated to meet Standards for Training Packages  Code changed to reflect changed training package  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 AHCPHT3011 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 treated and prepared vine cuttings and freshly dug rootlings and demonstrated the following at least once:   * identifying and using personal protective clothing and equipment, and following other specified work health and safety procedures * conducting cutting and callusing activities * monitoring and tending vine rootlings * preparing, implementing and monitoring nursery activities * preparing vine rootlings for transport * maintaining nursery environment to optimise plant health * completing documentation. | |

| 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:   * work health and safety (WHS) hazards and controls: * safe preparation and mixing of chemicals * safe handling of chemicals * selecting, fitting and using appropriate personal protective clothing and equipment * equipment operation, requirements and procedures * 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 and why: * 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 and standards * waste disposal requirements and procedures * cleaning requirements and procedures for work area and equipment, and additional considerations when cleaning between batches and varieties * routine maintenance procedures for equipment * 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 and procedures * preparing and mixing chemicals safely * recognising problems and anomalies with vines, equipment and materials. |

| 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 * nursery equipment, services and corresponding information * 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, 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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