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. |

| AHCPHT2XXX | Bench graft vines |
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| Application | This unit of competency describes the skills and knowledge required to select appropriate vine material, prepare cuttings, graft and undertake post-graft treatment and storage.  The unit applies to individuals in wine grape nurseries 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 | 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 to bench graft vines | 1.1 Confirm work instructions and identify potential work health and safety (WHS) hazards and controls with supervisor  1.2 Select and use appropriate personal protective clothing and equipment  1.3 Ensure work area meets housekeeping standards and hygiene requirements  1.4 Ensure materials are available to meet grafting requirements  1.5 Select and prepare cuttings for grafting  1.6 Check equipment is set to meet grafting needs according to specifications of end user |
| 2. Bench graft vines | 2.1 Disbud cuttings according to workplace practices  2.2 Bench graft cuttings according to workplace practices  2.3 Treat graft union according to specifications and workplace practices  2.4 Monitor grafting process and equipment to ensure results are maintained within specifications  2.5 Identify, rectify or report out-of-specification process and equipment performance |
| 3. Complete bench grafting activities | 3.1 Shut down, clean and maintain equipment according to workplace procedures and operating instructions  3.2 Pack, label and store grafted vines according to instructions  3.3 Collect, treat and dispose of waste according to workplace waste procedures  3.4 Undertake 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 | * Interpret textual information from a variety of workplace documents |
| Oral Communication | * Converse clearly using industry-specific language |
| Numeracy | * Calculate numerical information relating to packaging, labelling and storage |
| Navigate the world of work | * Follow clear instructions within defined level of responsibility * Recognise own work performance and seek assistance where required |
| Get the work done | * Recognise and act on opportunities for continuous improvement in accordance with workplace practices * Respond to routine problems using step-by-step instructions and procedures |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCPHT2XXX Bench graft vines | FDFWGG2001A Bench graft vines | Updated to meet Standards for Training Packages  Code changed to reflect changed training package  Minor changes clarify performance criteria | 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 AHCPHT2XXX Bench graft vines |
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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 demonstrated the following at least once:   * selecting and preparing appropriate vine material for grafting, including disbudding * performing bench grafting of vines according to workplace practices * following instructions for grafting and post-grafting treatment and packing of vines * monitoring grafted vines by identifying, rectifying or reporting out-of-specification vine grafts * following work area housekeeping and hygiene procedures * disposing of waste according to environmental policies and procedures * recording and reporting results of grafting according to procedures. | |

| 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, including: * purpose and application of protective clothing and/or equipment * safe and effective handling of equipment * purpose of grafting * various methods of budding and grafting grape vines, including purpose and methods of disbudding * criteria for successful grafting: * variety and clone * matching cambium * matching bevels and sizes * wood diameters * customer or workplace requirements * importance of selection and use of rootstock and Vinifera * advantages of using clonal and registered vine improvement rootstock material * criteria for selecting parent vines for scion material * procedures and optimum conditions for the storage of grafting material * stages of the grafting procedure and their purpose * preparing vine material for grafting, including: * removal from cold storage * soaking * heat treatment * disbudding * hydration * grading * procedures for monitoring the grafting process and equipment operation to identify out-of-specification results or non-compliance, including: * tightness of graft union * the number of grafts completed per day progress * purpose and components of grafting equipment, including: * selecting, preparing and setting equipment * operating procedures for grafting equipment * cleaning equipment * methods of callusing vine cuttings and the criteria for best callus development, including: * treating vines after grafting * packing into callusing boxes * hormonal treatment * handling to minimise damage * packing, labelling and storing grafted vines relevant to: * cold room layout * cold room temperature variations * customer requirements * storage time requirements * care of vines to minimise damage by moisture and disease * hygiene requirements and procedures * procedures and responsibility for reporting problems, including: * reporting and recording corrective action * recording production and statutory information * environmental issues and controls, including: * identifying, rectifying and reporting environmental non-compliance * sorting, collecting, treating, recycling or disposing of waste * cleaning requirements and procedures for work area and equipment, including: * maintaining work area to meet housekeeping standards * hygiene requirements to prevent cross-infection * reporting and recording requirements and procedures * routine maintenance procedures for equipment where relevant. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * an agricultural or horticultural workplace or an environment that accurately represents workplace conditions * resources, equipment and materials: * appropriate personal protective clothing and equipment * equipment, services and corresponding information * products and materials * cleaning 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 * workplace grafting specifications * legislative and local quarantine regulations and codes of practice * instructions, information, specifications and schedules * customer’s and supplier’s specifications.   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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