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. |

| AHCPHT2005 | Maintain callusing environment |
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| Application | This unit of competency describes the skills and knowledge required to maintain a callusing environment.  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 | 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 callusing environment | 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 equipment  1.3 Ensure materials required are available and ready  1.4 Select and use equipment according to instructions  1.5 Clean and sanitise work area, equipment and boxes to minimise risk of contamination according to workplace procedures  1.6 Prepare pre-mixed callusing media as instructed  1.7 Prepare callusing environment and callusing boxes according to workplace procedures |
| 2. Prepare cuttings for callusing | 2.1 Prepare cuttings for callusing according to instructions  2.2 Apply pre-callusing treatments according to workplace procedures and safety guidelines  2.3 Count, bundle and label cuttings according to instructions  2.4 Place cuttings into boxes with specified alignment |
| 3. Maintain cuttings in callusing room | 3.1 Place cuttings into callusing environment according to workplace procedures  3.2 Maintain callusing environment within specifications  3.3 Monitor cuttings for potential health problems and report or apply treatments according to workplace procedures  3.4 Apply post-callusing treatments to maintain plant health according to instructions |
| 4. Carry out post-callusing operations | 4.1 Remove callused cuttings from callusing room  4.2 Collect and dispose of waste according to workplace environmental and workplace procedures  4.3 Clean and sanitise facilities according to workplace procedures  4.4 Undertake work in accordance with workplace environmental guidelines  4.5 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 accurately |
| Oral Communication | * Converse clearly using industry-specific language |
| Numeracy | * Calculate numerical information relating to counting, labelling and storing |
| 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 |
| AHCPHT2005 Maintain callusing environment | FDFWGG2005A Maintain callusing environment | Updated to meet Standards for Training Packages  Code changed to reflect changed training package  Minor changes to elements and 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 AHCPHT2005 Maintain callusing environment |
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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 on at least two separate occasions:   * using personal protective clothing and equipment * observing hygiene and housekeeping standards including cleaning and sanitising of work area, equipment and boxes * preparing callusing media and boxes to specification * preparing cuttings and applying pre-callusing treatment * placing cuttings into callusing boxes * monitoring and maintaining callusing environment to specification * monitoring cuttings for correct callusing and reporting problems according to procedures * applying post-callusing treatments * removing callused cuttings * recording appropriate information. | |

| 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 of personal protective clothing and equipment * correct operating procedures for equipment * safe and effective handling of equipment * safe preparation and handling of chemicals * cleaning requirements and procedures for work area and equipment * principles of nursery hygiene * environmental considerations and required controls * waste disposal requirements and procedures * correct procedures for preparing cuttings for callusing * correct procedures for placing cuttings into boxes * effects of variety, clone and source of cuttings on the placement and labelling of cuttings in boxes * purpose and benefit of carrying out pre- and post-callusing treatments * procedures used to carry out pre- and post-callusing treatments * procedures for preparing pre-mixed callusing media * factors in a controlled callusing environment that affect the vine cutting: * methods of pasteurising and treating callusing media * temperature * relative humidity * moisture levels of growing medium * methods for setting, monitoring and maintaining the required temperature and relative humidity * correct procedures for preparing callusing boxes * quality control process in the callusing environment * common problems that occur during callusing and how to resolve them * procedures and responsibilities for reporting problems and anomalies * procedures for maintaining workplace records * procedures for selecting, operating, maintaining and storing the required equipment * correct procedures for removing and transferring callused cuttings. |

| 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 relevant to callusing * products and materials for callusing * cleaning procedures, materials and equipment * documentation, 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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