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. |

| AHCPHT3014 | Operate specialised canopy management equipment |
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| Application | This unit of competency describes the skills and knowledge required to attach, set up, operate and detach canopy management equipment.  The unit applies to vineyard workers who work under broad direction and take responsibility for their own work. u  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 for canopy management activities | | 1.1 Interpret and 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 job requirements  1.3 Identify and plan canopy management requirements  1.4 Ensure canopy management equipment is available and ready for use  1.5 Set up equipment to meet requirements according to operator instructions |
| 2. Operate canopy management equipment | | 2.1 Start up equipment safely according to operator instructions  2.2 Apply canopy management techniques to vines according to their vigour and capacity  2.3 Monitor equipment performance to confirm performance is maintained within specifications  2.4 Monitor canopy management activities to confirm performance is maintained within specifications  2.5 Identify, rectify and report out-of-specification performance |
| 3. Shut down canopy management equipment | | 3.1 Shut down and detach canopy management equipment according to operating instructions  3.2 Clear, tidy and store materials and equipment from site on completion of canopy management activities  3.3 Collect and dispose of waste generated by canopy management activities according to environmental and workplace practices  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 | * Interprettextual information from a variety of workplace documents accurately |
| Writing | * Produce workplace documents using industry-based vocabulary, grammar and conventions |
| Oral Communication | * Converse clearly using industry-specific language |
| 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 * Use the main features and functions of digital tools to identify and apply information in wine industry operations * 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 |
| AHCPHT3014 Operate specialised canopy management equipment | FDFWGG2009A Operate specialised canopy management equipment | Updated to meet Standards for Training Packages  Code changed to reflect changed training package and AQF alignment  Minor changes to performance criteria for clarity  Removal of prerequisite as no longer required by industry | No equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet:  <http://vetnet.education.gov.au/Pages/TrainingDocs.asp?q=78b15323-cd38-483e-aad7-1159b570a5c4> |

| TITLE | Assessment requirements for AHCPHT3014 Operate specialised canopy management equipment |
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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 set up, operated and shut down specialised canopy management equipment and demonstrated the following at least once:   * recognising work health and safety hazards (WHS) and applying controls * selecting and using personal protective clothing and equipment * attaching and setting up equipment to meet requirements * starting, operating, and shutting down equipment safely and according to operation instructions and requirements of workplace and task * taking corrective action in response to out-of-specification results or non-compliance * disposing of waste according to workplace practices * recording information accurately. | |

| 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:   * key factors affecting the canopy management technique, including: * climate, forecast and current weather conditions * vineyard aspect and terrain * grape variety and vigour * grape quality and characteristics required * trellis design * harvesting techniques * disease risk and occurrence * stage of maturity and development * canopy management equipment, operating parameters and procedures: * recognition of correct vine growth stages at which to carry out canopy management activities * factors influencing vine vigour: * grape variety * trellis design * vine spacing * fertilisers * irrigation * rootstock * features and benefits of a range of canopy management styles and techniques and their respective affect on grape quality, cropping yield and wine production requirements, including techniques to manage: * light penetration and shading * air circulation and disease reduction * annual growth stages of vine development * crop quality and quantity * significance and method of monitoring canopy management activities * purpose and basic components of canopy management equipment * operational procedures for equipment: * attaching equipment to tractor * setting up equipment to meet requirements * confirming equipment status and condition * operating equipment to meet requirements * starting and shutting down equipment * recognising equipment performance problems and rectifying and reporting * monitoring canopy management activities: * width of canopy * speed of tractor and power take-off rpm * density of foliage * air circulation * light penetration or shade * bud numbers, spur length * vine damage * rate of progress * cleaning and storing equipment * detaching equipment from tractor * using appropriate cleaning techniques * carrying out routine maintenance of equipment * work health and safety (WHS) hazards and controls: * selecting, fitting and using personal protective clothing and equipment * environmental issues and controls: * environmental compliance * basic vine canopy problems or anomalies: * taking corrective action in response to out-of-specification results or non-compliance * procedures and responsibility for reporting problems * cleaning and storage requirements and procedures for equipment * maintaining workplace records * maintaining work area to meet housekeeping standards. |

| 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 * vines requiring canopy management * 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 * 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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