Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCPMG302 | Control plant pests, diseases and disorders |
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| Application | This unit of competency describes the skills and knowledge required to identify and assess the effect to plants of plant pests, diseases and disorders and plan and coordinate control measures.  The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.  State or Territory licensing, legislative or certification requirements apply in some jurisdictions. |
| Prerequisite unit | Nil |
| Unit sector | Pest Management (PMG) |

| 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. Assess pests, disease and disorders | 1.1 Identify and record plant pests, diseases, disorders and beneficial organisms in target area  1.2 Assess the scope, stage and size of the pest, disease or disorder  1.3 Determine tolerable threshold of pest, disease or disorder according to workplace requirements |
| 2. Plan the implementation of control measures | 2.1 Identify and select control options according to workplace requirements, environmental procedures  2.2 Select tools, equipment and machinery for control measure according to workplace procedures  2.3 Identify and assess health and safety hazards, risks and implement controls according to workplace safety procedures  2.4 Select, use and maintain personal protective equipment according to manufacturer instructions and workplace health and safety procedures  2.5 Ensure control measures comply with work health and safety policies and environmental regulations |
| 3. Implement control measures | 3.1 Coordinate control measures with work team, contractors and suppliers according to sequence and timing in consultation with supervisor  3.2 Implement control measures according to workplace procedures and industry best practice  3.3 Maintain records according to workplace procedures and ligislative and regulatory requirments |
| 4. Monitor control methods | 4.1 Monitor control measure to identify off-target effects  4.2 Assess effectiveness of management measures against planned outcomes according to workplace procedures  4.3 Adjust control methods where effectiveness has been below expectations |

| 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 | * Reads and interprets plans, regulations, and other documentation and consolidates information to determine and implement management measures |
| Writing | * Accurately completes organisational records, plans and reports using clear language and industry terminology |
| Navigate the world of work | * Takes responsibility for following explicit and implicit policies, procedures, codes of practice and legislative requirements |
| Interact with others | * Selects and uses appropriate conventions and protocols when communicating with clients and co-workers in a range of work contexts * Cooperates with others and contributes to work practices where joint outcomes are expected and deadlines are to be met |
| Get the work done | * Takes responsibility for planning, sequencing and prioritising tasks and workload * Makes routine decisions and implements standard procedures for routine tasks, using formal decision making processes |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCPMG302 Control plant pests, diseases and disorders | AHCPMG302 Control plant pests, diseases and disorders | Updated to meet Standards for Training Packages  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=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

| TITLE | Assessment requirements for AHCPMG302 Control plant pests, diseases and disorders |
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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 that they can control pests, disease and disorders including:   * identified and recorded pests, diseases and disorders, beneficial organisms on host plants in target area * assessed damage, threat and threshold of pests diseases or disorders on host plants according to client, market or environment requirements * selected and implemented pest, disease and disorder control measures according to workplace and safe work practices * identified and selected tools equipment and resources necessary to implement the control measure * identified and assessed health and safety hazards and risks and incorporate and implemented in controls strategies according to health and safety procedures * identified and selected personal protective equipment according to workplace procedures * monitored the effectiveness of pest and disease control adjusted control measure on crop and off-target entities where outcomes were below expectation * maintained records of pest and disease control activities according to regulatory and workplace requirements * coordinated the control strategy with others according planned outcomes. | |
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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:   * pest, disease and disorder and symptom recognition of host stress * economic, aesthetic or environmental thresholds for a range of plant pests, diseases and disorders * control strategies for pests diseases and disorders, including: * chemical * biological * cultural methods * treatments available * Integrated Pest Management (IPM) * industry best practice * tools, equipment and machinery for implementing the control strategies and the importance of calibration * site monitoring and analysis techniques used to implement a control strategy * implications of control strategies for: * target and off-target * site limitations * environmental implications * end market and production * environmental objectives * work health and safety responsibilities for employees and employers * correct use, maintenance and storage of personal protective equipment * work health and safety and environmental regulatory requirements including hazardous substances regulations * basic communications skills * workplace and mandatory record keeping requirements. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in the field or an environment that accurately represents workplace conditions * resources, equipment and materials: * live weeds * use of tools and equipment used for weed control program * use of specific items of personal protective equipment * specifications: * use of specific workplace documents such as policies, procedures, processes and forms for record keeping * use of manufacturer’s operating instructions for specific equipment, machinery * access to specific safety data sheets * use of workplace instructions and client briefs * access to specific legislation/codes of practice * relationships: * clients * supervisor.   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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