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. |

| AHCPMG301 | Control weeds |
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| Application | This unit of competency describes the skills and knowledge required to plan and coordinate weed control activities using cultural, biological and chemical methods to provide effective, economic control while minimising environmental damage.  The unit applies to individuals workers in agriculture, horticulture or land management-based workplaces who demonstrate autonomy and judgement and take limited responsibility in known contexts.  Individuals operating in this field who use chemicals for weed control are required to hold current chemical handling certification. Other licensing conditions may also apply to this unit. Specific determination should be sought through the relevant State or Territory. |
| 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 weed infestation | 1.1 Identify and record weeds and potential weeds for target area  1.2 Identify the scope, stage and size of the weed infestation impacting on the landscape or production  1.3 Assessed effect of weed infestation on production  1.4 Identify tolerable levels of infestation according to client, legislation, market, environmental and pest management requirements  1.5 Investigate approaches to control weed infestation  1.6 Identify non-target plant and animal species present in the area  1.7 Assess the site for suitability of control measures according to work health and safety and environmental requirements |
| 2.Plan control measures | 2.1 Determine suitable control options according to integrated pest management principles, legislative requirements and industry practice  2.2 Identify and assess hazards, risks and controls according to workplace procedures and regulations  2.3 Identify appropriate resources for control options  2.4 Identify and select appropriate personal protective equipment in accordance with work health and safety requirements  2.5 Select and prepare a plan for control measures according to Integrated Pest Management principles and environmental sustainability practices  2.6 Document control measures according to workplace and legislative requirements |
| 3.Implement weed control | 3.1 Assess conditions for implementation of control plan and adjust plan according to conditions  3.2 Implement control measures in accordance with Integrated Pest Management plan and industry best practice  3.3 Ensure that control measures minimise effect on non-target species and environmental damage  3.4 Maintain records of the control measure according workplace procedures and regulatory requirements |
| 4.Monitor control measures | 4.1 Monitor control measures and identify adverse impact on non-target entities  4.2 Assess effectiveness of control measures in accordance with Integrated Pest Management guidelines and available industry standards  4.3 Report assessment of control measures according to client or 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 | * Reads and interprets plans, regulations, and other documentation and consolidates information to determine control plans and implement control measures |
| Writing | * Accurately completes organisational records, plans and reports using clear language and industry terminology |
| Numeracy | * Performs calculations for volumes, weights and measures for application rates of chemicals and materials |
| Oral Communication | * Effectively participates in verbal exchanges using collaborative and inclusive techniques including active listening and questioning and reading of verbal and non-verbal signals to convey and clarify information |
| Navigate the world of work | * Takes responsibility for following explicit and implicit policies, procedures, codes of practice and legislative requirements |
| 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 |
| AHCPMG301 Control weeds | AHCPMG301 Control weeds | 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 AHCPMG301 Control weeds |
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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 have controlled weeds including:   * identified, recorded and assessed weeds and their impact on landscape or production in the target area * Investigated the suitability of weed control approaches and effect on site environment and non-target entities * planed and coordinate weed control activities * identified tolerable levels of weed infestation for the target site * conducted a site hazard, risk assessment and identified controls for weed control * selected and applied weed management methods appropriate to the target site * maintained records of weed management activities * monitored, recorded and reported the effectiveness of methods * ensured control measures had minimal effect on non-target species and environment. | |

| 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:   * suitable weed control measures and timing of weed control activities including: * lifecycle and ecology of a range of weeds * cyclical nature of weeds and control programs * weeds morphology and dispersal * weed characteristics * plant health and growth requirements can be compromised by weed infestation * economic, aesthetic, health, fire hazard and environmental thresholds of common weeds * weed control methods and when they should be selected, including prevention strategies * non-target entities common to the area, especially plants with morphological features similar to the target pest plant * key concepts of Integrated Pest Management * risk factors including human, animal health and environmental associated with control measures * factors that affect the efficacy of weed management strategies including: * prevailing weather and atmospheric conditions * impact of spray drift on non-target entities * residues and maximum residue levels (MLA) * weed control activities and disturbance to other plant or animal species * signs of adverse impact of control measures and ways to minimise their effect on non-target entities including: * humans * animals * non-target plants * environment * site-monitoring techniques that may be used to implement the weed control plan * hazard risks assessment and control methodologies * equipment including personal protective equipment appropriate to control measure * work health and safety requirements pertaining to the use of cultural, biological and chemical agents * pest management planning and survey strategies * legislative requirements relevant to weed control. |

| 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 regulations and codes of practice * relationships: * clients   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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