Modification history

|  |  |
| --- | --- |
| 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. |

| AHCCHM201 | Apply chemicals under supervision |
| --- | --- |
| Application | This unit of competency describes the skills and knowledge required to apply chemicals under supervision using workplace specific chemical application equipment.  The unit applies to individuals working in a broad range of activities applicable to various job roles at various levels who undertake defined routine activities alongside a supervisor in most situations. They exercise limited autonomy within established and well known parameters and identify and seek help with simple problems.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Chemicals (CHM) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1.Prepare to work | 1.1 Confirm the activity to be undertaken with supervisor, including identifying potential hazards and risks  1.2 Use appropriate methods to control risks as directed  1.3 Confirm tools and equipment to be used with supervisor  1.4 Wear appropriate personal protective equipment as per label instructions and ensure correct fit |
| 2.Check application equipment | 2.1 Carry out pre-operational checks of application equipment and identify and replace any damaged or worn components or report to supervisor  2.2 Prepare application equipment for use |
| 3.Prepare application equipment | 3.1 Interpret and apply label instructions and according to safety data sheets (SDS) for the chemical or substance being used  3.2 Select and use appropriate mixing equipment  3.3 Measure, mix and charge application equipment with chemical according to application rates  3.4 Confirm instructions from chemical label and supervisor in the event of a chemical spill  3.5 Check that output of application equipment is correct and in accordance with application/spray plan. |
| 4.Apply chemicals | 4.1 Assess and record meteorological conditions and forecasts prior to and during application where relevant  4.2 Apply chemical according to instructions, ensuring minimal risk to others and the environment  4.3 Cease application if conditions become unsuitable  4.4 Minimise risks to others, product integrity and the environment prior to and during application |
| 5.Transport and handle chemicals | 5.1 Confirm safety precautions for the transport and handling of chemicals with supervisor  5.2 Transport and handle chemicals in accordance with relevant commonwealth, state and territory chemical legislation |
| 6.Finalise work | 6.1 Clean and store personal protective equipment and application equipment in accordance with manufacturers and work health and safety requirements  6.2 Dispose of excess chemicals and clean containers in accordance with label instructions and regulatory requirements  6.3 Complete incident reports according to workplace procedures  6.4 Complete chemical application records according to workplace procedures  6.5 Store unused chemical and products according to workplace procedures  6.6 Adhere to all re-entry requirements for treated areas |

| 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. | |
| --- | --- |
| Skill | Description |
| Reading | * Interprets instructions, chemical labels and safety documentation to identify relevant and key information to apply to mixing and application of chemicals |
| Writing | * Uses clear language and correct concepts and terminology when reporting incidents and completing chemical application records |
| Numeracy | * Performs basic mathematical calculations when measuring and mixing chemicals and checking chemical application equipment |
| Oral Communication | * Uses clear language, concepts, tone and pace appropriate when confirming chemical application parameters with supervisor |
| Get the work done | * Follows clearly defined instructions and sequencing, and monitors own progress for the task, seeks assistance when necessary |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCCHM201 Apply chemicals under supervision | AHCCHM201 Apply chemicals under supervision | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity  Changes to Assessment Requirements to better reflect Performance Evidence and Knowledge Evidence outcomes, and clarify specific Assessment Conditions | No Equivalent unit |

|  |  |
| --- | --- |
| 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 AHCCHM201 Apply chemicals under supervision |
| --- | --- |
| 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 on at least one occasion demonstrated that chemicals have been applied under supervision ensuring they have:   * identified hazards and risks and adopted safe work practices and appropriate personal protective equipment after confirmation with supervisor * confirmed tools and equipment necessary for the application of chemical treatment * carried out pre-operational checks of application equipment and made it ready for operation * followed directions on chemical labels and relevant Safety Data Sheets (SDS) to safely mix and prepare chemicals * selected appropriate measuring equipment and measured, mixed and charged application equipment with chemicals safely and correctly * ensured chemical spills were addressed according to chemical labels following confirmation with supervisor * checked the application equipment for output against plan and applied chemical safely complying with weather conditions * monitored weather and applied chemical application appropriate to prevailing conditions * maintained a healthy and safe condition for the environment and others while applying and following chemical application * confirmed and applied federal, state or territory legislation for use, transport and handling of chemicals * cleaned application equipment and personal protective equipment and disposed of waste according to equipment manufacturer instructions, chemical label, regulations and workplace health and safety requirements * maintained chemical application records and incident reports according to workplace procedures * stored protection equipment, application equipment and unused chemicals appropriately according to workplace procedures. | |

| Knowledge Evidence |
| --- |
| 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:   * relevant commonwealth, state and territory legislation relevant to application, transportation and storage of chemicals * various transport and handling techniques and requirements for chemicals * structure and content of chemical labels and SDS and the use and purpose for chemical application and safety * principles and methods of measuring, mixing and applying chemicals * features and functions of a range of application equipment relevant to the workplace their operations, and maintenance requirements * risk factors to be taken into account for human and animal health, spillage and environmental impact relevant to chemical use before, during and following chemical application * basic chemical groupings and types used in the workplace, the of mode of action and the impact on chemical safety and application methods * paths of entry of poisons into the body and the methods of limiting exposure through practices and personal protective clothing * maintenance practices for spray related equipment and PPE and disposal procedures for chemical contaminants and containers * assessing weather conditions and the impact on safe application of chemicals * relevant parts of the workplace spray plan * chemical related records and reports and their purpose. |

| Assessment Conditions |
| --- |
| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in a typical workplace environment or an environment that accurately represents workplace conditions * access to chemicals and industry compliant chemical store * resources, equipment and materials: * access to common chemicals * use of personal protective equipment * access to chemical application equipment * access to chemical measuring and mixing equipment * specifications: * use of specific workplace documents such as work instructions and procedures * access to chemical labels and safety data sheets (SDS) * access to spray plan and relevant chemical application rates * access to legislation, regulations, codes of practice relevant to chemical handling, storage, transport and use * manufacturers operation and maintenance instructions for chemical measuring and application equipment * relationships: * supervisors or realistic scenarios or role plays.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |