



**Australian Government**

# **AHCCHM306 Prepare and apply chemicals for hand held application equipment**

**Release: 2**

# AHCCHM306 Prepare and apply chemicals for hand held application equipment

## 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. |

## Application

This unit of competency describes the skills and knowledge required to prepare a basic application plan, prepare chemicals and equipment and apply chemicals for the control of identified pests, weeds or diseases using hand held application equipment.

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.

## Pre-requisite Unit

Nil

## Unit Sector

Chemicals (CHM)

## Elements and Performance Criteria

| Elements                                                             | Performance Criteria                                                                                                                                              |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                     | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                            |
| 1. Determine the need for chemical use and prepare basic application | 1.1 Identify the characteristics of the pest, weed or disease and assess the control requirements<br>1.2 Assess and select a chemical control option according to |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| plan                                             | <p>workplace procedures</p> <p>1.3 Identify health and safety in the workplace hazards, risks and controls for selected chemical</p> <p>1.4 Determine the requirement for chemical usage according to chemical label instructions</p> <p>1.5 Prepare a basic application plan according to workplace procedures</p> <p>1.6 Notify stakeholders of intended chemical application according to workplace procedures and legislative and regulatory requirements</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2. Prepare chemical mixes                        | <p>2.1 Access the application plan and determine chemical application parameters according to chemical label instructions</p> <p>2.2 Identify hazards, assess risks and implement control measures for application method according to chemical label and health and safety in the workplace procedures</p> <p>2.3 Interpret and apply requirements from chemical labels and safety data sheets (SDS)</p> <p>2.4 Identify, select, fit and use personal protective equipment (PPE) according to chemical label and workplace safety procedures</p> <p>2.5 Select appropriate mixing equipment and a suitable location for mixing and loading according to workplace procedures</p> <p>2.6 Prepare chemicals according to chemical label instructions</p> <p>2.7 Clean preparation equipment and work site of residues and spillage according to chemical label instructions and workplace procedures</p> |
| 3. Calibrate application equipment               | <p>3.1 Select application equipment to be used to minimise off target risk and maximise efficacy</p> <p>3.2 Carry out pre-operational checks of application equipment</p> <p>3.3 Calibrate equipment in accordance with manufacturers' specifications and application plan</p> <p>3.4 Load the equipment with chemical according to operating instructions and workplace safety procedures</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4. Apply chemicals                               | <p>4.1 Monitor and assess weather conditions and forecasts to ensure effective chemical application according to application plan</p> <p>4.2 Identify, select, fit and use PPE according to chemical label</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                              |
|                                                  | instructions<br>4.3 Apply chemical while minimising off target damage according to label directions, SDS and application plan<br>4.4 Assess health and safety hazards and risks and implement controls according to workplace procedures<br>4.5 Clean up chemical spills according to workplace and manufacturer procedures                                                                                                                                                         |
| 5. Clean up equipment and complete records       | 5.1 Clean and decontaminate application equipment according to operator instructions, SDS and legislative and regulatory requirements<br>5.2 Dispose of chemicals and used containers according to manufacturer instructions and legislative and regulatory requirements<br>5.3 Clean and store PPE according to workplace procedures<br>5.4 Complete chemical treatment records and report incidents according to workplace procedures and legislative and regulatory requirements |

## 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                    | <ul style="list-style-type: none"><li>Read and interpret SDS, signs and symbols, chemical labels, equipment operating instruction and other documentation and consolidates information to determine chemical application actions and activity</li></ul> |
| Writing                    | <ul style="list-style-type: none"><li>Accurately record and complete organisational records using clear language and correct spelling, grammar and terminology</li></ul>                                                                                |
| Numeracy                   | <ul style="list-style-type: none"><li>Perform mathematical calculations to determine rates of application chemical mixtures</li></ul>                                                                                                                   |
| Oral Communication         | <ul style="list-style-type: none"><li>Effectively participate in verbal exchanges using active listening and to convey and clarify chemical applications notifications</li></ul>                                                                        |
| Navigate the world of work | <ul style="list-style-type: none"><li>Take responsibility for following policies, procedures and regulations</li></ul>                                                                                                                                  |

| Skill             | Description                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <ul style="list-style-type: none"><li>Identify and implement manufacturer requirements for chemical use</li></ul>                                                |
| Get the work done | <ul style="list-style-type: none"><li>Take responsibility for planning, sequencing and prioritising tasks required for chemical application activities</li></ul> |

## Unit Mapping Information

| Code and title current version                                                            | Code and title previous version                                                           | Comments                                                                                                     | Equivalence status |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------|
| AHCCHM306<br>Prepare and apply chemicals for hand held application equipment<br>Release 2 | AHCCHM306<br>Prepare and apply chemicals for hand held application equipment<br>Release 1 | Minor changes to Performance Criteria for clarity<br><br>Updated Performance Evidence and Knowledge Evidence | Equivalent unit    |

## Links

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