



**Australian Government**

# **AHCCHM402 Plan and implement a chemical use program**

**Release: 1**

# AHCCHM402 Plan and implement a chemical use program

## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## Application

This unit of competency describes the skills and knowledge required to plan and implement a program for the use of chemicals as well as assess and mitigate risks associated with the use of chemicals across a range of industry sectors.

All work must be carried out to comply with workplace procedures, work health and safety and pesticide legislation and codes, and sustainability practices.

This unit applies to individuals who take responsibility for their own work and may provide direction to others. They provide and communicate solutions to a range of predictable and sometimes unpredictable problems. Work is carried out to industry standards.

Licensing, legislative, regulatory or certification requirements may apply to this unit. Candidates should confirm the regulatory requirements that apply in their relevant State or Territory before undertaking this unit. This unit may be deemed to have a time limit when used as part of an accreditation or licence process.

## Pre-requisite Unit

AHCCHM303 Prepare and apply chemicals

AHCCHM304 Transport and store chemicals

## Unit Sector

Chemicals (CHM)

## Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify requirements for chemical use	1.1 Assess the need for chemical use as an option within an Integrated Pest Management or animal health strategy or both 1.2 Identify and interpret Codes of Practice, legislation and regulations and industry requirements relating to chemical use 1.3 Confirm that personnel are adequately trained in chemical use
2. Assess risks and develop control procedures	2.1 Identify hazards, assess risks and develop control measures and emergency action plans for transport, handling, storage, application, decontamination and disposal of chemicals 2.2 Assess meteorological conditions and forecasts prior to application to determine the need to control the risk of spray drift and other off-target movement 2.3 Assess the risk to sensitive areas and environmentally sensitive organisms according to label restraints and protection statements 2.4 Assess the risk to human and animal health according to label safety directions, Safety Data Sheet SDS by hazard statements and exposure controls 2.5 Document preferred control procedures as management component of application or spray plan
3. Develop an operational and maintenance program for chemical use	3.1 Determine correct chemicals to be used after accessing the Integrated Pest Management Strategy or Animal Health Strategy 3.2 Define and calculate mixing rates for chemicals, including mixing order if more than one chemical is to be mixed in the tank, adjuvants and water quality 3.3 Specify pre-operational checks that must be carried out and calibration requirements 3.4 Develop and implement a maintenance strategy for application equipment and personal protective equipment 3.5 Document all procedures as operational and maintenance component of application or spray plan
4. Implement and monitor application or spray plan	4.1 Provide appropriate personal protective equipment for employees using chemicals 4.2 Monitor the implementation of safe practice in the workplace including preparation and application of chemicals 4.3 Monitor implementation of procedures for transport, handling, storage, decontamination and disposal 4.4 Monitor implementation of maintenance procedures 4.5 Monitor implementation of procedures to mitigate residues in

Element	Performance criteria
	produce and the environment
5. Finalise work activities in accordance with application or spray plan	5.1 Check that excess chemicals are disposed of appropriately 5.2 Check all required records including incident reports are completed
6. Evaluate application or spray plan and records for continuous improvement	6.1 Develop procedures for evaluating the effectiveness of the application or spray plan including risk control measures to achieve continuous improvement 6.2 Develop a continuous improvement strategy to minimise risk Identify shortfalls during evaluation and subsequently rectify

## Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

## Unit Mapping Information

AHCCHM401A Minimise risks in the use of chemicals and AHCCHM402A Plan and implement a chemical use program.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>