



Australian Government

AHCCHM301 Use application equipment to apply fumigant in confined spaces

Release: 1

AHCCHM301 Use application equipment to apply fumigant in confined spaces

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to use application equipment to fumigate grain, seed, crops and plants in confined spaces.

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

All work is carried out to comply with Safety Data Sheets and chemical label directions.

This unit does not cover individuals physically entering and working within an enclosed or confined space.

This unit applies to individuals who work under broad direction and take responsibility for their own work and use discretion and judgement in the selection and use of available resources.

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.

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. Plan fumigation	1.1 Determine the need for fumigation as an option within an Integrated Pest Management (IPM) and Integrated Resource Management (IRM) strategy 1.2 Determine type of fumigant and application rate 1.3 Select method of fumigant application to suit type of pest, facility and grain or plant type 1.4 Assess appropriateness of facility and conditions for selected fumigation method 1.5 Select and use appropriate personal protective equipment as per label instructions.
2. Prepare storage facility for fumigation, application equipment and fumigants	2.1 Identify hazards, assess risks and implement control measures in relation to the use of fumigants in enclosed spaces 2.2 Establish security measures to control access during fumigation and prescribed re-entry periods 2.3 Erect signage and barriers to control risk of inadvertent entry to facility 2.4 Check seal, calculate volume of storage facility, and take appropriate measurement to ensure the required concentration of fumigant is retained 2.5 Check operational effectiveness of equipment 2.6 Calibrate fumigation equipment to deliver the correct application rate 2.7 Transport and store fumigants 2.8 Prepare fumigant in accordance with label instructions
3. Conduct and monitor fumigation	3.1 Apply fumigation using appropriate equipment, fumigation methods and sealing methods 3.2 Respond to emergency situations using emergency response procedures 3.3 Monitor fumigation site during exposure time and ventilation to prevent unauthorised access 3.4 Maintain integrity of seals throughout the active fumigation period
4. Ventilate storage facility	4.1 Establish ventilation and re-entry times and control risks 4.2 Ventilate facility to remove fumigant in a safe and controlled manner

Element	Performance criteria
	4.3 Test for evidence of residual gas using appropriate equipment 4.4 Notify appropriate personnel of any further risk control measures required
5. Restore storage facility	5.1 Collect and remove all equipment, fumigants and waste 5.2 Remove signage and barriers when facility is available for re-use 5.3 Restore storage facility
6. Clean, safety-check and store equipment and fumigants	6.1 Clean, check, decontaminate and store equipment and personal protective equipment in appropriate location 6.2 Dispose of all waste as per label instructions
7. Record fumigation details	7.1 Record details of fumigant applications 7.2 Record and report gas escapes, safety incidents or poisoning to the appropriate person or authority

Foundation Skills

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

Range of Conditions

Unit Mapping Information

This unit is not equivalent to AHCCHM301A Conduct fumigation in enclosed spaces.

Links

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