



Australian Government

Assessment Requirements for AHCCHM310 Conduct manual fumigation of vertebrate and invertebrate pests

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have fumigated vertebrate and invertebrate pests manually, including:

- selected the appropriate fumigant option for the pest characteristics and infestation
- determined fumigation parameters according to manufacturer instructions and safety data sheets (SDS)
- prepared fumigant according to chemical manufacturers instructions
- identified health and safety hazards, risks and implemented controls for fumigation activities
- transported, handled and stored fumigants according to safety procedures, fumigant label and legislative requirements
- maintained the fumigant inventory and disposed of waste fumigant and materials according to workplace and environmental procedures
- implemented emergency response procedures to maintain a safe site
- prepared site for fumigation and erected exclusion barriers and signage
- checked weather conditions and forecasts to decide on fumigation progression
- sealed treatment area, applied the fumigant, monitored fumigation activity and ventilated sites
- checked for residual fumigant according to workplace procedures
- restored the treatment area, cleaned and decontaminated the equipment
- complied with chemical manufacturers' instructions, workplace and legislative and regulatory requirements, safety procedures, fumigant label and legislative requirements, and environmental procedures
- maintained records, stock inventories and reported on work activities and incidents. according to workplace and legislative and regulatory requirements.

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:

- pests and their characteristics for fumigation control
- primary vertebrate and invertebrate pests that can be controlled by manual fumigation methods
- pest control strategies and the role of fumigation, including:
 - chemical
 - cultural
 - biological
 - mechanical
 - Integrated Pest Management
- fumigants their use and action
- fumigant selection criteria to consider, including:
 - size of area
 - weather conditions
 - type of material concentration
 - safety implications
- interpretation and use of labels and SDS
- techniques to seal fumigation treatment sites
- site characteristics and conditions for suitable for fumigation
- relevant legislation and regulatory requirements for fumigant use
- risk factors including human and animal health, weather, leakage, spillage and environment
- safety and environmental requirements for disposal of fumigant, spills and waste materials
- clean-up procedures and decontamination
- pre and post fumigation safety procedures
- transporting and storage requirements of fumigants, including:
 - legislation and regulations that apply to transporting and storing chemicals including:
 - transport vehicle requirements
 - dangerous and hazardous chemicals
 - placarding requirements
- processes and procedures for the disposal of excess, unwanted, expired fumigants and waste including industry disposal programs
- health and safety in the workplace requirements including personal protective equipment (PPE) and manual handling
- record keeping procedures and practices for workplaces and regulations
- tests and testing for residual fumigants
- inventory and stock records and procedures for fumigants.

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 storage facilities for fumigants
- resources, equipment and materials:
 - site requiring fumigation
 - fumigants
 - PPE
 - fumigation aeration equipment
 - fumigant measuring and mixing equipment
 - fumigant testing equipment
 - materials required to seal treatment area
- specifications:
 - specific workplace documents, including work instructions and procedures for fumigation
 - chemical labels and SDS
 - legislation and regulations relevant to handling, storage, transport and use of fumigants
 - manufacturers' and maintenance instructions for hand fumigation equipment
 - relevant standards for residual fumigation test results.

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.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>