



Australian Government

Assessment Requirements for AHCCHM306 Prepare and apply chemicals for hand held application equipment

Release: 2

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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.

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 prepared and applied chemicals using hand held application equipment, including:

- determined the need for chemical application by assessing the specific infestation
- developed an application plan according to workplace procedures
- identified health and safety hazards, risk and implemented control procedures and used personal protective equipment (PPE) according to workplace procedures
- notified stakeholders of planned chemical application
- interpreted chemical labels and applied chemical according to manufacturer requirements, safety data sheets (SDS) and application plan
- determined the chemical application parameters according to workplace and
- complied with manufacturer requirements, regulations and environmental factors
- monitored and assessed weather conditions for application
- selected and conducted pre-operational checks of equipment according to operator instructions
- completed at least one calibration activity for hand held application equipment
- mixed and loaded chemicals in accordance with label and application plan
- cleaned equipment, spills and disposed of waste according to procedures
- maintained records and reported incidents according to workplace procedures and regulations.

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:

- control options when selecting chemicals for pest, disease and weed control, including:
 - chemical
 - cultural
 - biological
 - Integrated Pest Management
- parameters affecting the selection of chemical and equipment for application, including:
 - common pests, weeds and diseases
 - rate of application
 - type of application equipment
 - set-up requirements
 - pest and disease resistance
- chemical labels, SDS reading and interpretation
- impact of weather factors on the safe and effective application of chemicals
- factors that determine off target contamination, including:
 - physical movement of chemicals (e.g. animals moving baits or soil movement)
 - chemical formulation
 - droplet size
 - wind speed
 - temperature
 - temperature inversions
 - controlling spray drift and air concentrations
- risk factors of chemical application, including:
 - human and animal health
 - spillage
 - residues in environment, plants and animals
 - withholding periods
- preparing chemicals including mixing order, compatibility, adjuvants and water quality
- requirements for disposal of excess chemicals, clearing spillages and equipment clean up
- selecting and operating suitable hand held application equipment, including:
 - operation and use
 - features, functions
 - calibration techniques
 - nozzle identification and selection
- legislation, regulations and licensing requirements in relation to chemical use
- stakeholders and required notifications including, neighbours, staff and statutory notifications
- health and safety in the workplace hazards, risks and controls including PPE
- regulatory and industry policies on off target management.

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
- resources, equipment and materials:
 - chemicals
 - PPE
 - application equipment
 - chemical measuring and mixing equipment
- specifications:
 - specific workplace documents, including work instructions and procedures for chemical application
 - chemical labels and SDS
 - legislation and regulations about use of chemicals
 - manufacturers' operation and maintenance instructions for equipment
 - access to weather reports.

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>