



Australian Government

Assessment Requirements for AHCCHM405 Plan and implement a chemical use program

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 planned and implemented a chemical use program, including:

- sourced information and analysed its content for chemical application
- assessed the need for chemical use and ensured personnel are adequately trained in chemical use according to workplace procedures
- identified hazards, risks and provided controls, including personal protective equipment (PPE) for chemical application and off target impact
- assessed weather conditions and environmental sensitivity of the site
- documented chemical application and maintenance procedures according to workplace protocols
- determined chemicals required and mixing requirements according to workplace procedures and chemical label instructions
- develop a continuous improvement strategy to minimise risk
- communicated chemical application plan to personnel
- implemented procedures and monitored and evaluated personnel according to chemical application plan
- developed a continuous improvement strategy for chemical application plan
- implemented, monitored and evaluated a chemical application plan.

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:

- source of information for developing plans, including:
 - legislation and regulations
 - codes of practice
 - chemical labels

- safety data sheets (SDS)
- industry requirements relating to chemical use
- strategies for identifying hazard, risks and controls
- risk factors, including:
 - human
 - animal health
 - product integrity
 - weather
 - residues and maximum residue levels
 - off target damage, spillage and environment
- principles of transport, handling and storing chemicals
- requirements for the disposal of excess chemicals, clearing spillages and equipment clean up
- chemical application equipment capabilities, limitations and calibration
- mixing chemicals, including:
 - rates
 - mixing order if more than one chemical
 - adjuvants
 - water quality
- life cycle of a variety of pests and the target stages
- implications of pest resistance to chemicals
- principles and practices of chemical application strategies and equipment including, integrated pest management and animal health strategies
- preparation and documentation of strategic plans and procedures
- signs of pest damage and signs of beneficial organisms
- operational factors to consider in a procedures, including:
 - transport, handling and storage
 - application methods, equipment and PPE
 - cleaning and decontamination
 - disposal of waste
- emergency procedures including first aid
- strategies for instructing personnel, and monitoring and assessing personnel performance
- mandatory and workplace record keeping requirements for chemical storage, disposal, application and safety.

Assessment Conditions

Competency is to be assessed in the workplace OR simulated environment that accurately reflects performance in a real workplace setting.

Assessment of skills must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment required to implement the chemical application program
 - PPE
 - chemicals and relevant weighing and mixing equipment
- specifications:
 - specific workplace documents including policies and processes
 - manufacturers' operating instructions for chemicals, equipment and machinery
 - SDS
 - workplace instructions and job specifications
 - chemical information including legislation, codes of practice, chemical label instructions
- relationships:
 - team member(s) or work crew
- timeframes:
 - schedules and planned completion dates for a chemical application plan.

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>