



Australian Government

AHCPMG508 Develop a system to monitor and evaluate the pest management plan

Release: 2

AHCPMG508 Develop a system to monitor and evaluate the pest management plan

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to develop a pest monitoring and evaluation program for a local or broader regional area. The management plan may include weeds, vertebrate pests or invertebrate pests.

The unit applies to individuals who take personal responsibility, and exercise autonomy, in undertaking complex work. They demonstrate deep knowledge in pest management and are able to analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Pest Management (PMG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine pest monitoring and	1.1 Identify pest management plan monitoring and evaluation objectives

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
evaluation requirements	1.2 Investigate and assess attitudes and land management practices of stakeholders for inclusion in monitoring and evaluation program 1.3 Document investigation outcomes and objectives of monitoring and evaluation
2. Develop procedures for monitoring and evaluation	2.1 Identify target pests and select monitoring sites 2.2 Specify sampling parameters 2.3 Identify economic and environmental impact to be monitored 2.4 Identify factors that trigger an emergency response 2.5 Define reporting procedures for the pest management plan 2.6 Define verification and analysis procedures of sampling results 2.7 Develop procedures for monitoring and recording the economic and environmental impact of pests 2.8 Develop procedures for monitoring and recording pest abundance 2.9 Develop a schedule of monitoring with verifiable milestones for pest management plan
3. Document the monitoring program	3.1 Design recording documents and forms 3.2 Document procedures and recording systems 3.3 Distribute procedures and recording systems to stakeholders 3.4 Verify pest monitoring program conforms with local, regional, state and national pest management strategies

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Writing	Prepare detailed procedural texts defining the requirements and purpose for the stakeholders, taking into account the needs of a culturally and linguistically diverse workforce

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG508 Develop a system to monitor and evaluate the pest management plan Release 2	AHCPMG508 Develop a system to monitor and evaluate the pest management plan Release 1	Changes made to Application Minor changes to Element 1 title Minor changes to Performance Criteria for clarity Performance Criteria 2.5 split for clarity Foundation Skills added Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPMG508 Develop a system to monitor and evaluate the pest management plan

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has developed at least one pest monitoring and evaluation program, according to local, regional, state or territory and national pest management strategies.

There must also be evidence that the individual has:

- consulted with stakeholders
- investigated and determined the objectives of the pest management monitoring plan
- identified required operational and performance standards for monitoring, which must include:
 - sample timing, observation systems, level of accuracy required and sample size
 - economic and environmental impact
 - triggers for emergency response
- developed procedures for monitoring and evaluation of pest management 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:

- monitoring and evaluation principles and how they should be included in the management program
- pest biology, behaviour and lifecycles and how they influence monitoring procedures
- pest population dynamics and economic and environmental thresholds
- relevant local, regional, state, territory and national pest management strategies
- Commonwealth, state or territory legislation and regulations relating to pest management activities

- key concepts in the integrated pest management strategy
- data and information management, including formatting and complexity considerations for target stakeholders
- monitoring points for target pests
- non-target species in the area and their impact on pest management
- potential economic and environmental impacts of pest population
- trigger points to initiate an emergency response
- aims, objectives and milestones in the pest management plan
- requirements for ensuring the welfare of animals described in the relevant codes of practice, where monitoring plan involves pest animals
- potential diseases and toxicity relevant to the area and pests.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - digital technology and software for research and creating documents
- specifications:
 - legislation, regulations and industry codes of practice for pest management
- relationships:
 - stakeholders.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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