



Australian Government

AHCPMG401 Implement the pest monitoring and evaluation plan

Release: 1

AHCPMG401 Implement the pest monitoring and evaluation plan

Modification History

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

Application

This unit of competency describes the skills and knowledge required to implement the pest monitoring plan and evaluate and report on performance of pest management.

The unit applies to individuals who take responsibility for their own work and for the quality of the work of others within known parameters. They provide and communicate solutions to a range of predictable and sometimes unpredictable 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. Obtain and collate all available data	1.1 Determine objectives of pest monitoring and evaluation plan 1.2 Collate data on pest numbers, economic and environmental impacts of pests and pest management plan operating costs 1.3 Consult with stakeholders for input into pest management plan 1.4 Investigate site and record presence of recent pest activity 1.5 Investigate and record previous pest control activity

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Monitor the pest management plan	2.1 Determine monitoring points in the monitoring plan 2.2 Measure and record outcomes of pest control procedures 2.3 Verify and record compliance with health and safety and environmental requirements 2.4 Report monitoring outcomes and compliance according to workplace procedures
3. Evaluate data against objectives and performance criteria	3.1 Collate and evaluate pest control outcomes against objectives in the monitoring plan 3.2 Reconcile cost of plan against budget 3.3 Conduct a cost–benefit analysis of pest control program
4. Compile a report of the evaluation	4.1 Isolate and examine indicators of performance 4.2 Analyse indicators to build a considered conclusion on outcome of control program on pest populations and impact 4.3 Compile conclusions into a report
5. Recommend modifications	5.1 Consider conclusions and recommend changes to improve pest control performance and impact on land management and production processes 5.2 Provide recommendations to stakeholders according to workplace procedures

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
Reading	Critically analyse pest control plans and outcomes, and consolidate information into data sets for analysis to formulate recommendations for improvement
Writing	Prepare reports to stakeholders to inform on pest control outcomes using clear and accurate language

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG401 Implement the pest monitoring and evaluation plan	AHCPMG410 Implement the pest monitoring and evaluation plan	Minor changes to Application and Performance Criteria for clarity 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 AHCPMG401 Implement the pest monitoring and evaluation 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, on at least one occasion, implemented a pest monitoring and evaluation plan to workplace requirements.

There must also be evidence that the individual has:

- collated data for performance of control program according to pest monitoring and evaluation plan
- consulted with stakeholders on monitoring plan performance metrics
- analysed performance data against objectives
- produced a cost–benefit analysis
- reported results of monitoring operations and evaluation results.

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:

- setting and analysing performance metrics, including:
 - data sets and analysis against objectives and performance
 - comparing actual costs with budgeted costs
 - creating a cost–benefit analysis
- environmental and economic impacts of pests on land management and production processes
- pest management plans, their structure and use in land management
- monitoring and evaluation principles and how they work in the pest management plan
- types and range and characteristics of pests, including:
 - identified pests
 - lifecycles
 - threshold levels

- effects of control methods on them
- local, regional, state or territory and national pest management strategies for pest control
- federal, state or territory legislation and regulations relating to pest management activities
- principles of integrated pest management (IPM).

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated on a site for a specified pest management plan or in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - digital technology and software for analysing data and preparing reports
- specifications:
 - workplace policies and procedures for pest management and reporting
 - workplace pest management plans and performance data
 - legislation, regulations and codes of practice for Commonwealth, state and local jurisdictions
- 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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