



Australian Government

AHCPMG502 Investigate a pest control failure

Release: 1

AHCPMG502 Investigate a pest control failure

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 investigate causes of pest control failure after the implementation of a pest management plan for the control of weeds, vertebrate and/or invertebrate pests.

This unit applies to individuals who are regional pest control officers and managers that take personal responsibility for their own work and exercise autonomy in undertaking complex work. They 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. Assess planning techniques used	1.1 Determine and assess management techniques used in pest management plan 1.2 Assess level of community and stakeholder engagement for development of the pest management plan 1.3 Evaluate the level of commitment gained from stakeholders

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Assess validity of defined pest problem 1.5 Assess stakeholder understanding of pest and damage caused 1.6 Determine and assess suitability of monitoring techniques used
2. Assess treatment failure	2.1 Assess level of pest damage subsequent to treatment according to expectations 2.2 Review pest management records and conduct site inspections to determine pre-treatment and post-treatment infestation 2.3 Review pest management plan to determine expected pest population size post-treatment 2.4 Assess the difference between expected and monitored population levels 2.5 Assess treatments and application techniques used 2.6 Determine if failure was due to defective treatment or pest response to treatment 2.7 Determine if operator skill level contributed to failure when applying pest treatment
3. Evaluate solutions to the failure	3.1 Consolidate and analyse all treatment failures 3.2 Identify alternative treatment solutions to rectify failures 3.3 Determine best treatment solutions to resolve failures 3.4 Review and revise pest management plans and procedures 3.5 Advise stakeholders of changes to pest management plan

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	Organise, evaluate and analyse pest management records, plans and treatment documentation, to inform and verify actions and assess pest control failure

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG502 Investigate a pest control failure	AHCPMG509 Investigate a pest control failure	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 AHCPMG502 Investigate a pest control failure

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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, investigated a failure of a pest control program, determined solutions and rectified pest management planning and implementation documentation.

There must also be evidence that the individual has:

- investigated the planning process, including:
 - planning documentation
 - stakeholder engagement and support
 - pest and damage caused
- reviewed and assessed methods and records of pest control measures used
- analysed pre-treatment and post-treatment pest infestation levels
- evaluated and determined solutions to the failure
- revised pest management plans and procedures and advised stakeholders of changes.

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:

- principles that underpin the strategic approach to managing pests
- pest management processes and procedures, including:
 - surveying pest populations for determining infestation levels
 - pest monitoring techniques
 - defining the pest problem
 - pest treatments for different contexts
 - pest control measures
- chemical, biological, physical and habitat management techniques for pest management

- investigative techniques, including:
 - desktop reviews
 - site visits and evidence collection
- federal, state or territory legislation and regulations relating to pest management activities
- designing and developing pest management plans and procedures
- assessing work team performance and skills
- importance of public and stakeholder consultation in pest management planning.

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 reviewing records and revising 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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