



Australian Government

Department of Education, Employment and Workplace Relations

AHCPMG505A Evaluate the pest management strategy

Release: 1

AHCPMG505A Evaluate the pest management strategy

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the evaluation of the pest management strategy and defines the standard required to: collate data on pest abundance, economic and environmental impacts of pests, and control costs; assess data against objectives and performance criteria; determine the costs and benefits of the management strategy; identify indicators of successful and unsuccessful impacts on pest abundance and damage; recommend modifications to the pest management strategy.
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Application of the Unit

Application of the unit	This unit applies pest control officers and managers for work carried out independently within organisational guidelines.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Collate all available data	1.1.Data on pest abundance are collated. 1.2.Data on economic impacts of pests are collated. 1.3.Data on environmental impacts of pests are collated. 1.4.Data on pest strategy operating costs are collated.
2. Assess data against objectives and performance criteria	2.1.Actual results are compared with objectives and performance criteria for the strategy. 2.2.Actual costs are compared with budget for the strategy. 2.3.Cost and benefits of the strategy are analysed and documented.
3. Compile report of strategy evaluation	3.1.Report includes discussion of results of data analysis. 3.2.Indicators of good performance of the strategy are isolated and discussed. 3.3.Indicators of poor performance of the strategy are isolated. 3.4.Causes of poor performance are examined. 3.5.Conclusions about pest management strategy in relation to changes in pest abundance and impacts are clearly stated. 3.6.Conclusions are supported by the data.
4. Recommend modifications to pest management strategy	4.1.Recommendations and relevant issues are documented in a report according to enterprise guidelines. 4.2.Recommendations to modify or eliminate causes of poor performance, or to enhance current performance are made. 4.3.Recommendations to enhance the strategy to continue to reduce impacts on land management and/or production processes are made.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

REQUIRED SKILLS AND KNOWLEDGE

- estimate costs and advantages
- collate available data
- assess data against objectives and performance criteria
- recommend modifications to the pest management strategy
- use literacy skills to fulfil job roles as required by the organisation. The level of skill may range from reading and understanding documentation to completion of written reports
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record complex workplace measures
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- land management process
- production process
- relevant legislative and regulatory requirements
- environmental protection legislation
- pest control methods and techniques
- social and environmental issues
- statutory requirements for pest control
- legislative requirements and enterprise procedures for pesticide risk management
- Occupational Health and Safety (OHS) and environmental protection legislation, codes of practice and enterprise procedures.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:</p> <ul style="list-style-type: none"> • collate data on pest abundance, economic and environmental impacts of pests, and control costs • assess data against objectives and performance criteria • determine the costs and benefits of the management strategy • identify indicators of successful and unsuccessful impacts on pest abundance and damage • recommend modifications to the pest management strategy.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Pest management strategies may include:	<ul style="list-style-type: none"> • changing land management or production processes and practices e.g.: <ul style="list-style-type: none"> • changing lambing times • changing sowing times • changing crops • modifying habitat • pasture management and pest population

RANGE STATEMENT	
	control e.g.: <ul style="list-style-type: none"> • shooting • poisoning • trapping • mustering • relocation • fumigation • sedation • exclusion fencing • biological controls • harvesting • tagging • weed control including: <ul style="list-style-type: none"> • chemical • biological control • mechanical removal.
Pests to be targeted may include:	<ul style="list-style-type: none"> • insects • weeds • pathogens • vertebrates • nematodes • molluscs.

Unit Sector(s)

Unit sector	Pest management
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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