



Australian Government

Department of Education, Employment and Workplace Relations

AHCPMG401A Define the pest problem in a local area

Release: 1

AHCPMG401A Define the pest problem in a local area

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers defining the pest problem in a local area and defines the standard required to: determine the lifecycle, distribution and loss of production caused by the pest; document the economic losses and environmental risks and impacts of the pest; develop control measures based on a combination of strategies to control the pest at its most vulnerable stage with minimal environmental impact; establish the costs and benefits of implementing the selected control strategies; select management options to eradicate or manage the pest across a local region; and negotiate an action plan to implement the management options across the local area.
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Application of the Unit

Application of the unit	This unit applies to control officers who define the pest problem in a local area.
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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. Define the land use process for the local area affected by the target pest problem	1.1. Consultation with local land users and other relevant stakeholders in the affected area is documented. 1.2. Desired land management and/or production outcomes are identified. 1.3. Performance criteria for measuring local land management and/or production outcomes are determined. 1.4. Critical activities required to achieve the desired outcomes are identified. 1.5. Local land management and/or production process is mapped against the annual planning cycle. 1.6. Local land management and/or production process budget is determined.
2. Analyse the pest problem in the local area	2.1. Target pest population distribution within the affected local area is determined in consultation with stakeholders. 2.2. Target pest population data supplied by stakeholders is validated. 2.3. Other relevant data on target pest population are obtained. 2.4. Factors which influence the target pest population and distribution within the local area are described. 2.5. Pest life cycle is documented.
3. Determine critical control points for management of the pest problem	3.1. Periods of greatest risk in the local land management and/or production process are identified in consultation with stakeholders. 3.2. Periods of target pest vulnerability within the life cycle are identified. 3.3. Local land management and/or production process map and target pest life cycle map are consolidated. 3.4. Critical points for controlling pest populations and/or changing land management or production practices within the annual planning cycle are determined in consultation with other stakeholders.
4. Document and collate the impacts of the pest	4.1. Economic losses resulting from the pest presence are measured or estimated in consultation with stakeholders. 4.2. Environmental impacts from the pest presence are measured or estimated in consultation with stakeholders. 4.3. Potential risks relating to exotic disease are defined.

ELEMENT	PERFORMANCE CRITERIA
	4.4. Pest problem is documented according to industry and enterprise standards and guidelines.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- identify hazards and implement safe work practices
- define the land use process for the local area affected by the target pest problem
- analyse the pest problem in the local area
- determine critical control points for management of the pest problem
- analyse local problems
- plan strategically for local context
- use literacy skills to read, interpret and follow organisational policies and procedures, develop sequenced written instructions, record accurately and legibly information collected and select and apply procedures to a range of tasks
- 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 routine and more complex workplace measures and data
- 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

- pest biology
- land management processes
- production processes
- relevant legislative and regulatory requirements
- Occupational Health and Safety (OHS) and environmental protection legislation.

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	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: • determine the lifecycle, distribution and loss of production caused by the pest • document the economic losses and environmental risks and impacts of the pest • develop control measures based on a combination of strategies to control the pest at its most vulnerable stage with minimal environmental impact • establish the costs and benefits of implementing the selected control strategies • select management options to eradicate or manage the pest across a local region • negotiate an action plan to implement the management options across the local area.
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 problems may include:	• the range of weeds, vertebrate and invertebrate pests.

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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