



Australian Government

AHCPMG413 Define the pest problem

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
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 apply a strategic pest management approach to define a weed, vertebrate or invertebrate pest problem for a target area.

The unit applies to individuals who use consultation and analysis to define the pest problem. They exercise autonomy in undertaking complex work and analyse, design and communicate solutions to sometimes complex problems.

No occupational licensing, legislative or certification requirements are known to 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. Establish the background to the target pest problem	1.1 Determine landscape and land use within target area 1.2 Consult with stakeholders to identify and record views and issues for target pest 1.3 Define desired environmental management and production

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	outcomes 1.4 Collect and record information about management or production processes relating to pest problem 1.5 Determine non-target species populations in target area according to ecological data
2. Analyse the target pest problem in the area	2.1 Establish and document stakeholder views on the distribution of target pest within affected area 2.2 Source and analyse information to validate stakeholder views for target pest population, damage, and distribution 2.3 Identify environmental and pest biology factors which influence the target pest population and distribution 2.4 Document the target pest lifecycle, optimum times, locations and behaviours that impact program effectiveness 2.5 Identify non-target species populations and distribution 2.6 Identify hazards, risks and controls for non-target species, environment, ecology and production in target area 2.7 Identify potential ecological role of target pest
3. Determine critical control points for management of the target pest problem	3.1 Determine timing of control activities for periods of least risk to off target activities and conditions 3.2 Identify periods of significant vulnerability during target pest lifecycle 3.3 Determine appropriate time period for pest management activity
4. Define and document the impacts of the target pest	4.1 Estimate economic losses and environmental impacts of the pest presence 4.2 Conduct a cost-benefit analysis of managing pest in accordance with workplace plans 4.3 Prepare a report on outcomes of investigation for stakeholders according to workplace procedures 4.4 Assess whether the pest problem warrants the need for a 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	Critically analyse documents and data from a variety of sources and consolidates information to determine requirements for management plans
Writing	- Document outcomes of consultations and incorporates details into report - Document report using industry relevant terminology, structure and format
Numeracy	Perform mathematical calculations to analyse costs and values to accurately create a cost benefit analysis
Oral Communication	Determine and confirm client views and opinion using collaborative and inclusive techniques including active listening and questioning and reading of verbal and non-verbal signals to convey and clarify information and to confirm understanding
Navigate the world of work	- Work independently or with others in making decisions to achieve organisation outcomes - Take full responsibility for following, procedures and legislative requirements
Get the work done	- Accept responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others taking into account capabilities, efficiencies and effectiveness - Apply systematic and analytical decision-making processes for complex and non-routine situations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPMG413 Define the pest problem Release 2	AHCPMG413 Define the pest problem Release 1	Minor changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links

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