



Australian Government

Assessment Requirements for 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.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have produced a written report that details the pest problem in a target area, including:

- identified and consulted with stakeholders
- collected information on pest impact and defined the pest problem in consultation with stakeholders
- determined the target pest population and distribution and factors impacting population and distribution
- determined non-target species populations and distribution in area
- accessed and analysed information to validate pest impact
- identified appropriate times for pest control activities and identified and documented pests' characteristics that impact on program effectiveness
- conducted a cost-benefit analysis for managing target pest
- prepared a report and assessed the viability for a pest management plan for pest population
- identified environmental impact of pest presence and pest management activity.

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:

- impact of pests on environment, land use, land management and production processes
- behaviour of target pests, particularly those behaviours that impact pest susceptibility to being effectively managed
- animal welfare and related codes of practice and workplace procedures

- pest biology and lifecycles of target pests
- principles that underpin the strategic approach to managing pests
- land management and production processes of targeted area
- ecology of targeted area
- performance criteria for measuring land management and production outcomes
- techniques used to validate the target pest population and distribution data supplied by stakeholders and sources of relevant data
- measuring or estimating economic implication and environmental impacts of pests
- potential ecological role some pests provide
- potential disease or toxicity risks
- relevant parts of local, regional, state or territory and national pest management strategies
- factors that influence pest population and distribution
- periods of vulnerability in the lifecycle of pests
- critical control points for management of pest problem
- range of pests, non-target species, plant pests and diseases.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - site with pests to evaluate
 - technology and resources for documenting reports and cost benefit analysis
- specifications:
 - workplace documents including policies, procedures, processes
 - research materials and data for pests
 - workplace instructions and job specifications
 - specific legislation and codes of practice.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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