Australian Government

# AHCPCM508 Develop an integrated pest management program

**Release: 1**

# AHCPCM508 Develop an integrated pest management program

## 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 develop an integrated pest management (IPM) program, including determining IPM strategy, designing control measures, documenting the IPM program, and monitoring program activities and control procedures.

The unit applies to individuals who apply specialised skills and knowledge to develop an IPM program, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Plant Culture and Management (PCM)

## Elements and Performance Criteria

| Elements | Performance Criteria |
|---|---|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
| 1. Determine IPM strategy | 1.1 Identify weed, pest and disease infestations, considering workplace requirements |

| Elements | Performance Criteria |
|---|---|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
|  | 1.2 Define weed, pest and disease relationships and vectors as key factors in developing the integrated pest management (IPM) program |
|  | 1.3 Develop a system to assess the size and extent of any infestation |
|  | 1.4 Assess business implications and urgency of action according to published data, workplace procedures and economic threshold |
|  | 1.5 Identify and report conditions likely to impact on business viability |
|  | 1.6 Determine the economic threshold for the crops grown |
| 2. Design control measures for weeds, pests or diseases | 2.1 Determine the appropriate method to control any weed, pest or disease issue that ensures limited impact on beneficial organisms and minimises the possibility of weeds, pests or diseases developing resistance |
|  | 2.2 Develop strategies to ensure minimal or no risk of resistance developing in the range of weeds, pests or diseases identified |
|  | 2.3 Confirm control measures account for the damage threshold of the particular crop and that product still conforms to market access and workplace requirements |
|  | 2.4 Develop a weed, pest or disease prevention program where possible to minimise, limit or remove risk factors |
|  | 2.5 Identify and cost resources, tools, equipment and machinery required for IPM strategy |
|  | 2.6 Document IPM program according to workplace procedures |
| 3. Monitor IPM program activities and control procedures | 3.1 Monitor IPM program activities and identify thresholds for remedial action |
|  | 3.2 Undertake and document remedial action or contingency plan where necessary |
|  | 3.3 Confirm control procedures reflect sound implementation of IPM strategy and program, marketing objectives and business imperatives |
|  | 3.4 Monitor control procedures and undertake remedial action where necessary |

# 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 | • Identify and interpret information from a range of sources to identify relevant and key information about IPM strategy requirements and key factors in program development |
| Numeracy | • Calculate resources, tools, equipment and machinery costs |

# Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|---|---|---|
| AHCPCM508 Develop an integrated pest management program | AHCPCM506 Develop an integrated pest management program | Minor changes to application<br><br>Major changes to performance criteria<br><br>Foundation skills added<br><br>Assessment requirements updated | Not equivalent |

# Links

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

 