



Australian Government

AHCPER325 Mitigate plant pests, diseases and disorders in a permaculture system

Release: 1

AHCPER325 Mitigate plant pests, diseases and disorders in a permaculture system

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to identify healthy permaculture systems and recognise the pests, diseases and disorders requiring an integrated management design solution for managing potential infestations for a permaculture system.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources, and complete routine activities.

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

Pre-requisite Unit

Nil

Unit Sector

Permaculture (PER)

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. Identify possible pests, diseases and disorders for permaculture system	1.1 Identify pests, diseases and disorders common to plants grown in the permaculture system 1.2 Identify conditions conducive to development of pests, diseases and disorders 1.3 Identify beneficial organisms that control pests, diseases and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	disorders
2. Develop pest, disease and disorder programs for permaculture system	2.1 Investigate prevention strategies for pests, diseases and disorders affecting permaculture system 2.2 Investigate control strategies for pests, diseases and disorders affecting permaculture system 2.3 Select control and prevention strategies best suited to permaculture system 2.4 Document prevention and control programs for permaculture system
3. Monitor permaculture system for pests, diseases and disorders	3.1 Monitor conditions that contribute to pests, diseases or disorders 3.2 Monitor plants for symptoms of pests, diseases or disorders 3.3 Identify pest, disease or disorder from observed symptoms 3.4 Identify tolerable threshold of damage from pests, diseases and disorders 3.5 Monitor beneficial organisms to support control of pests, diseases and disorders 3.6 Record observations according to workplace procedures
4. Implement pest, disease and disorder prevention program	4.1 Implement biosecurity procedures to mitigate pests and disease transfer during permaculture operations 4.2 Recognise onset of conditions conducive to development of pests, diseases and disorders 4.3 Manipulate habitat and microclimate conditions to encourage beneficial organisms 4.4 Manipulate environment to prevent conditions conducive to pests, diseases and disorders 4.5 Investigate and mitigate effects of prevention program on other elements within permaculture system 4.6 Implement permaculture practices to minimise pests, diseases and disorders according to permaculture system design 4.7 Record prevention activity according to workplace procedures
5. Implement pest, disease and disorder control program	5.1 Identify when pest, disease or disorder exceeds tolerable threshold for permaculture system 5.2 Select control method according to permaculture principles and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	organic standards 5.3 Implement control method, ensuring minimal impact on other permaculture elements 5.4 Record control activity according to workplace procedures
6. Monitor and record the management of plant pests, diseases and disorders	6.1 Compile records from pest, disease and disorder control and prevention activity 6.2 Examine records and formulate patterns of infestation and infection 6.3 Document patterns of infestation and infection for permaculture system 6.4 Review prevention and control programs in consideration of records and formulated patterns

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.

Foundation Skills essential to performance are explicit in the Performance Criteria of this unit of competency.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER325 Mitigate plant pests, diseases and disorders in a permaculture system	AHCPER320 Manage plant pests, diseases and disorders in a permaculture system	Title change Minor change to Application Addition of Element for control programs Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity	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>