



Australian Government

**Assessment Requirements for AHCPER332
Maintain integrated plant and animal
systems**

Release: 1

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Modification History

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

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has, on at least three (3) occasions, maintained an integrated plant and animal system and has:

- planned maintenance activities for a permaculture integrated plant and animal system
- implemented maintenance activities according to plans
- mitigated risk to permaculture elements, including:
 - soils and soil compaction
 - plants and animals in the system
 - waterways and water storage
 - other key elements within ecosystem
- identified safety hazards and assessed risks and implemented controls during maintenance activities
- maintained records and reports on completion of maintenance activities.

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:

- integrated plant and animal systems, including:
 - gardens, orchards, organic farms, woodlots and forests that include animals in free range or rotational systems
 - balanced ecosystems where the needs of all species are met
 - systems where poultry provide fertility, pest control and other services to plants
 - frogs, birds and other wild creatures attracted to the garden to maintain ecological balance
 - patterns seen in nature, including stacking and layering of plants in a forest used in deliberate design

- plants and animals commonly found on permaculture properties
- plant groups and vegetation structures
- permaculture practices, including:
 - composting of weeds
 - chop and drop practices
 - feeding weeds to animals
 - soil support and enhancement strategies
 - animal husbandry strategies
- permaculture design information, including:
 - permaculture site plan
 - components of integrated plant and animal systems
- role of animals in improving soil, recycling nutrients, managing ‘weedy’ plants and controlling pests and diseases
- plants as indicators and improvers
- typical permaculture solutions to water catchment and storage for integrated plant and animal systems
- recycling of materials and waste
- workplace health and safety, including:
 - typical hazards and risks
 - controls
- communication strategies with work team and visitors
- importance of records in permaculture systems.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a permaculture system with integrated plants and animals or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plants and animals
 - tools and equipment for maintaining plant and animal systems
 - personal protective equipment
 - materials and consumables for maintenance activities
- specifications:
 - workplace health and safety procedures
 - manufacturer operating instructions for tools and equipment
 - workplace maintenance instructions
- relationships:
 - team member.

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>