



**Australian Government**

# **AHCPER306 Use weedy plants in a permaculture system**

**Release: 1**

# AHCPER306 Use weedy plants in a permaculture system

## Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 1       | AHCv1.0    | Initial release |

## Application

This unit of competency describes the skills and knowledge required to control and make use of weedy plants in a permaculture system. It also includes permaculture practices, such as use of succession in a permaculture system and the use of harvest as a means of control.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

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

Permaculture (PER)

## Elements and Performance Criteria

| Element                                                  | Performance criteria                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.                | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                        |
| 1. Assess the implications of weedy plants in the system | 1.1 Assess the scope and size of the weedy plant population<br>1.2 Investigate the soil properties, water availability and terrain of the affected areas<br>1.3 Investigate the history of the previous land use and management strategies of the site<br>1.4 Identify weedy plants and associated organisms and record in field notes |

| Element                                                                | Performance criteria                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | 1.5 Identify weedy plant populations tolerated by the client, market or environment according to the permaculture management plan<br>1.6 Identify weedy plant population levels above which plant health or growth objectives are compromised<br>1.7 Obtain professional advice as required according to permaculture management plan                                     |
| 2. Plan the implementation of permaculture weedy plant management plan | 2.1 Identify uses for weedy plants, waste materials and debris for fodder, mulching or composting<br>2.2 Select tools, equipment, machinery, and other control measures for each part of the weedy plant management work, according to the permaculture management plan<br>2.3 Select, use and maintain suitable safety equipment and personal protective equipment (PPE) |
| 3. Implement the permaculture weedy plant management plan              | 3.1 Coordinate the enterprise work team, contractors and/or control animals in a sequential manner according to the permaculture weedy plant management plan<br>3.2 Implement the permaculture weedy plant management plan<br>3.3 Maintain records appropriately                                                                                                          |
| 4. Monitor the permaculture weedy plant management plan                | 4.1 Monitor progress of the permaculture weedy plant management plan to identify side effects to other plants, animals or the environment<br>4.2 Assess effectiveness of the permaculture weedy plant management plan<br>4.3 Adjust the permaculture weedy plant management plan where necessary to meet expectations                                                     |

## Foundation Skills

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

## Range of Conditions

## Unit Mapping Information

New unit - equivalent to QLD843IPA06B.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

# Assessment Requirements for AHCPR306 Use weedy plants in a permaculture system

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## Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- recognise a range of weedy plants and associated organisms within a particular permaculture enterprise
- identify uses of weedy plants in a permaculture system
- identify control methods used in permaculture weedy plant management plan
- implement a permaculture weedy plant management plan
- assess progress and effectiveness of the permaculture weedy plant management plan

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices in relation to the management of weedy plants
- weedy plant recognition
- strategies used in weedy plant management plans, such as:
  - organic chemical, biological and cultural control methods and treatments available to the enterprise within the parameters of a permaculture weedy plant management plan
  - range and use of tools, equipment and machinery available to the enterprise for implementing a permaculture weedy plant management plan
  - animal systems to use the weedy plant as a food source
  - plants and planting strategies to out-compete weedy plants or to be used as a follow up to successful treatment
- site monitoring and analysis techniques that may be used to implement a permaculture weedy plant management plan
- roles that weeds play within an ecological system, such as:
  - soil stabilisers
  - fodder for wild and domestic animals

- nutrient traps
- nutrient mining from subsoil
- identification of a range of edible weedy plants
- uses for weedy plants including commercial uses, such as:
  - animal fodder
  - basket making
  - compost teas
  - food and medicinal products, such as nettles as cheese wraps or herbal teas

## Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also hold a nationally accredited Certificate III (or higher) in Permaculture. Completion of a Permaculture Design Certificate is not sufficient at this level.

## Links

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