



Australian Government

Assessment Requirements for AHCPER323 Use the characteristics of plant resilience in a permaculture system

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 one occasion:

- investigated and recorded field notes of resilient plants, weeds and conditions for a permaculture site, which must include:
 - plant name
 - scope and size of populations
 - soil characteristics
 - water availability
 - terrain
 - historical land use and management
 - associated biological processes
- identified characteristics and uses of resilient plants in a permaculture system, including the benefits for:
 - permaculture system
 - potential for produce
 - environment
- determined acceptable population density of resilient plants and levels at which resilient plant would be deemed a weed
- identified control methods used to control resilient plants and weeds
- implemented a permaculture resilient plant and weed management plan
- used by-products, waste materials and debris according to permaculture system plan
- monitored and updated resilient plant and weed management plan for a permaculture system.

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:

- permaculture principles and practices in relation to the management of resilient plants
- plant recognition
- strategies used in managing resilient plants and weeds, including:
 - organic chemical, biological and cultural control methods and treatments
 - range and use of tools, equipment and machinery
 - animal systems used to manage resilient plants and weeds
 - plants and planting strategies to out-compete resilient plants or weeds
- site observations, monitoring and analysis techniques
- role that resilient plants and weeds play in an ecological system, including:
 - soil stabilisers
 - fodder for wild and domestic animals
 - nutrient traps
 - nutrient mining from subsoil
 - hosts for beneficial and pest insects
- identification of a range of edible weeds
- uses for resilient plants and weeds, including commercial uses, including:
 - bird and animal feed
 - arts and crafts
 - soil improvers
 - food and medicinal products
- workplace health and safety practices
- records used in field observations and reporting.

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 or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment for maintaining resilient plants and weeds
 - personal protective equipment
- specifications:
 - workplace procedures and processes
 - manufacturer operating instructions for equipment
 - safety data sheets

- permaculture principles
- permaculture system plan
- relationships:
 - work team.

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>