



Australian Government

AHCPER108 Support plant care in a permaculture system

Release: 1

AHCPER108 Support plant care 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 support plant care for Zone 1 permaculture gardens.

The unit applies to individuals who work alongside a supervisor and exercise limited autonomy within established and well-known parameters. They identify and seek help with simple problems.

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. Recognise plant care for a Zone 1 permaculture garden	1.1 Identify key characteristics of a Zone 1 permaculture garden 1.2 Identify functions and yields of plants in a Zone 1 permaculture garden 1.3 Recognise features of Zone 1 permaculture gardens requiring plant care 1.4 Identify Zone 1 plant care requirements from supervisor instructions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Apply safe and efficient work practices	2.1 Identify, check and prepare tools and equipment according to supervisor instructions 2.2 Adopt work practices to maximise productivity and time efficiency and minimise waste and resources 2.3 Follow instructions and directions from supervisor and seek clarification when unsure
3. Undertake bed preparation and planting activities	3.1 Prepare beds for planting 3.2 Plant beds according to supervisor instructions and workplace safety procedures 3.3 Dispose of materials according to workplace procedures 3.4 Report problems or difficulties in completing work to required standards or timelines to supervisor
4. Maintain plants	4.1 Identify and implement watering regime according to plant care requirements 4.2 Identify and implement nutrient application according to supervisor instructions 4.3 Implement plant cultural activities according to supervisor instructions
5. Determine maturity, harvest and store plants and plant yields for zone 1 plantings	5.1 Identify maturity and potential yield of Zone 1 plants to be harvested 5.2 Harvest plants and plant yields 5.3 Store plants and plant yields 5.4 Report plant care activity according to workplace procedures

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
AHCPER108 Support plant care in a permaculture system	AHCPER103 Support plant care in a permaculture system	Minor change to Application for clarity Minor changes to Elements and Performance Criteria for clarity, brevity and compliance with standards Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity	Equivalent

Links

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

Assessment Requirements for AHCPER108 Support plant care in a permaculture system

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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:

- identified common characteristics of permaculture Zone 1 gardens
- identified, checked and prepared materials, tools and equipment
- prepared and planted a garden area with at least one of the following:
 - seeds
 - seedlings
 - plants
- identified and applied watering regime and nutrient requirements for Zone 1 planting
- identified crop maturity and harvested and stored plant yields
- reported activity.

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:

- the characteristics of permaculture Zone 1 gardens, including:
 - how permaculture gardens differ from conventional gardens
 - functions and yields of plants in a Zone 1 garden
 - observing nature and learning from it
- principles of planting in permaculture systems, including:
 - aspect
 - planting patterns
 - companion planting
 - the soil-water-plant relationship
- plant care techniques and plant nutrition, including:

- the role of composts, worm castings, green manures, animal manures and support species in permaculture plant care
- when to leave weeds, chop-and-drop and mulching
- simple pest protection, including cages, rings, stakes and nets
- simple climate protection from sun, frost and wind
- harvesting plant produce, including:
 - types of plant produce
 - recognising maturity
 - harvesting techniques
 - basic storage techniques
- reuse and recycling of excess products of plant care
- reporting procedures.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated on a Zone 1 permaculture garden or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plants, seeds and seedlings
 - permaculture tools and equipment
 - personal protective equipment
- specifications:
 - specific workplace safety procedures
 - workplace instructions
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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