



Australian Government

AHCPER312 Plan organic garden and orchard systems

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to plan organic garden and orchard systems. It requires the application of horticultural and permaculture knowledge including permaculture principles, plant types, conditions and requirements to establish orchards for optimum production.

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 site for organic garden and orchard system	1.1 Inspect the site for environmental and physical attributes 1.2 Research site characteristics, using a range of information sources 1.3 Test soil and analyse the results 1.4 Identify site constraints and opportunities

Element	Performance criteria
	1.5 Define location of existing structures and services 1.6 Prepare site plan and zone and sector plan of site, based on information collected
2. Select plants for organic garden and orchard system	2.1 Select suitable plant varieties and types 2.2 Determine preferred type of plant materials for planting 2.3 Determine number and size of plants and plant materials
3. Develop planting plan for organic garden and orchard system	3.1 Identify zone and sector details from the site plan 3.2 Identify and place plants to be installed 3.3 Record required actions, timelines and specific information on the plan 3.4 Investigate availability of plants, materials and services for the system

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 QLD843IPA12B.

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 AHCPR312 Plan organic garden and orchard systems

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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:

- assess site for planting
- test soil and analyse the results
- select plants
- identify zones and sectors of site to ascertain best planting locations
- identify structures and services and how these may impact on the plan
- develop planting plan to include at least 5 fruit trees or shrubs

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and ethics
- permaculture site planning
 - boundaries of sites drawn at an appropriate scale
 - direction of North (or sunward)
 - location of plants
 - other information relevant to a permaculture garden and orchard system drawn in clear and accurate graphic style
 - planting schedules and timelines, including Gantt charts
- zone and sector planning, such as:
 - zones for garden and orchard systems (Zones 1 and 2)
 - sector information such as prevailing winds, fire aspect, winter and summer sun angles, best locations for sun-loving and shade-tolerant species
 - microclimate information
 - zone and sector plans drawn as overlays to a site plan

- garden and orchard systems, such as:
 - an orchard with 5 to 10 or more assorted fruit trees or shrubs
 - integrated plant and animal systems
 - consideration of and design for plant ecosystem relationships
- soil structure, types and function, including soil tests for agricultural purposes
- soil maintenance and improvement techniques
- aims and purposes of building organic garden and orchard systems
- design principles for organic garden and orchard systems
- features and characteristics of plants used in organic garden and orchard systems
- growing requirements of plants used in organic garden and orchard systems
- biosecurity policies and principles

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 Course (PDC) is not sufficient at this level.

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