



Australian Government

AHCPER305 Implement crop maintenance and harvesting programs for permaculture systems

Release: 1

AHCPER305 Implement crop maintenance and harvesting programs for permaculture systems

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to implement crop maintenance and harvesting programs for permaculture systems. Crop maintenance methods may include, thinning, spacing, selective harvesting, training, summer and winter pruning, hedging, skirting, topping and trimming. Crop harvesting methods may include manual and machine-assisted harvesting.

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. Plan for maintenance and harvesting of permaculture crops	1.1 Identify requirements of the site and crop maintenance program 1.2 Select materials, tools, equipment and machinery 1.3 Carry out pre-operational and safety checks on tools,

Element	Performance criteria
	equipment and machinery 1.4 Identify work health and safety hazards, assess risks, implement controls and take appropriate action 1.5 Select, use and maintain appropriate safety and personal protective equipment
2. Maintain permaculture crops	2.1 Implement maintenance tasks in sequence to the crop maintenance program 2.2 Instruct personnel or work team members to undertake required maintenance operations 2.3 Ensure tasks are undertaken according to work health and safety requirements and environmental considerations 2.4 Monitor maintenance of crop and take corrective action where required 2.5 Maintain a clean and safe work area throughout maintenance operations
3. Harvest permaculture crops	3.1 Implement harvesting tasks in sequence to the crop maintenance program 3.2 Instruct personnel or work team members to undertake harvesting operations 3.3 Ensure compliance with work health and safety requirements and observe environmental considerations 3.4 Monitor harvesting of crop and take corrective action to ensure standards are met 3.5 Maintain a clean and safe work area throughout harvesting operations
4. Complete maintenance and harvesting activities	4.1 Re-use or dispose of waste material 4.2 Clean, maintain and store tools, equipment and machinery appropriately 4.3 Record harvesting outcomes

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 QLD843IPA05B.

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 AHCPER305 Implement crop maintenance and harvesting programs for permaculture 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:

- interpret site plans and crop maintenance and harvesting schedules
- harvest or maintain crops correctly and without damaging produce
- coordinate work group, contractors and own activities

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices related to obtaining a yield
- principles of maintaining crops and the methods used to maximise crop yields
- maintenance techniques for a range of crops, such as:
 - manual thinning
 - selective harvesting
 - training
 - summer and winter pruning
 - hedging
 - skirting
 - topping
 - trimming
 - picking
 - bagging
 - trellising
- maturity or ripeness properties of crops when ready for harvest
- effects of maintenance operations on plant growth, habit and production levels of maintenance operations

- maintenance of soil health and impact on production
- enterprise quality procedures and characteristics of a crop relative to varying market requirements

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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