



Australian Government

AHCPER333 Implement crop maintenance and harvesting programs for permaculture systems

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.

Application

This unit of competency describes the skills and knowledge required to implement crop maintenance and harvesting programs for permaculture systems, including thinning, spacing, selective harvesting, training, summer and winter pruning, hedging, skirting, topping and trimming.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources, and complete routine activities.

No 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

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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify work health and safety hazards, assess risks, and implement controls 1.5 Select, use and maintain safety and personal protective equipment
2. Maintain permaculture crops	2.1 Implement maintenance tasks according to crop maintenance program 2.2 Instruct and monitor work team on 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 implement corrective action to maintain standards 2.5 Maintain a clean and safe work area throughout maintenance operations
3. Harvest permaculture crops	3.1 Implement harvesting tasks according to crop maintenance program 3.2 Instruct and monitor work team on required harvesting operations 3.3 Ensure compliance with work health and safety requirements, and observe environmental considerations 3.4 Monitor harvesting of crop, and implement corrective action to maintain standards 3.5 Maintain a clean and safe work area throughout harvesting operations
4. Complete maintenance and harvesting activities	4.1 Manage waste material according to maintenance and harvesting plan and workplace procedures 4.2 Clean, maintain and store tools, equipment and machinery 4.3 Record maintenance and harvesting operations outcomes

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.

Skill	Description
Oral communication	Clearly explain detailed information on work requirements and standards to work team using appropriate language, tone and pace to ensure understanding

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER333 Implement crop maintenance and harvesting programs for permaculture systems	AHCPER305 Implement crop maintenance and harvesting programs for permaculture systems	Minor changes to Application and Performance Criteria for clarity Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Addition of Foundation Skills	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 AHCPER333 Implement crop maintenance and harvesting programs for permaculture systems

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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 implemented at least one of each of the following:

- a permaculture crop maintenance program
- a permaculture crop harvesting program.

There must also be evidence that the individual has:

- interpreted site requirements, crop maintenance and crop harvesting, plans and schedules
- instructed work team and implemented harvest and maintenance plans according to industry standards and workplace procedures.

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 related to obtaining a yield
- principles of maintaining crops and the methods used to maximise crop yields
- maintenance techniques for a range of crops, including:
 - seasonal pruning, thinning and hedging techniques
 - training and trellising
- maturity or ripeness properties of crops when ready for harvest and harvesting techniques, including:
 - selective harvesting
 - picking
- 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
- workplace health and safety and environmental policies and 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 in a permaculture cropping system or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment for crop maintenance and harvesting
 - personal protective equipment
- specifications:
 - workplace policies, procedures, processes
 - access to manufacturer operating instructions for equipment
 - permaculture crop maintenance and harvesting plans and specifications
 - access to specific permaculture codes of practice
- relationships:
 - work team.

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

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