



Australian Government

Assessment Requirements for AHCPER318 Plan propagation activities for a permaculture system

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 2.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

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:

- research propagation requirements for the permaculture system
- develop a propagation plan
- implement a propagation plan
- maintain propagated plants to maturity or end use.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices related to propagation:
 - using reclaimed or reused containers (suitably cleaned to avoid cross-contamination)
 - labelling systems using reclaimed materials
 - maintaining rare and unusual varieties
 - using edges and valuing the marginal – unusual plants in micro-climates
 - sharing and swapping to increase biodiversity and mutual wellbeing
 - preserving provenance of locally indigenous species
 - testing and trialling for new plants or resistant varieties
 - global food plant preservation, including seed saving
- propagation plan including such considerations as:
 - seasonal activities
 - seed saving

- needs of the system for plants
- mother plant location and frequency of use
- schedules and timelines
- principles of sustainable horticultural practices
- propagation techniques, such as:
 - cuttings – softwood, hardwood, semi-hardwood, root and tip
 - layering – stool, aerial and runner
 - division
 - grafting – whip and tongue, saddle, wedge, approach and bench
 - budding – shield and patch
 - seed sowing
- potting media suitable for propagation in a garden setting, such as:
 - compost and worm casting mixes
 - sieved and graded sands
 - blends used for different purposes or different times of the year
 - sphagnum moss
 - water (hydroponics or aquaponics)
- plant growth, development and nutrition
- botany and physiology
- maintaining moisture levels in simple systems without causing disease
- systems for protecting new plants and seedlings, such as:
 - polyhouse or shade-house systems, including hoop systems on garden beds
 - systems using reclaimed materials, such as bag-and-frame cloches, bottle protectors for seedlings, tyre stacks, birdcages and wire baskets
 - glass houses
 - shade houses
 - naturally occurring or planned microclimates
- minimal environmental impact waste disposal and composting systems which destroy pathogens.

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.

Links

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