



Australian Government

AHCPHT503 Manage a controlled growing environment

Release: 1

AHCPT503 Manage a controlled growing environment

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to manage controlled growing environments.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

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

Production horticulture (PHT)

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. Identify crop requirements	1.1 Determine crop growth and production requirements according to a documented production plan 1.2 Research environmental parameters for optimal growing conditions for the specific crop, using available information resources 1.3 Identify and record controlled growing environment factors
2. Determine	2.1 Identify, cost and confirm availability of structures, machinery,

Element	Performance criteria
requirements for controlled growing environment	<p>equipment and resources required to control environmental conditions</p> <p>2.2 Identify detrimental environmental impacts associated with the controlled growing environment system</p>
3. Prepare a management plan for controlled growing environment	<p>3.1 Determine management objectives for controlled growing environment consistent with production plan and market requirements for crop quantity and quality</p> <p>3.2 Develop a schedule of environmental control procedures according to controlled environment management objectives</p> <p>3.3 Evaluate and report staff training needs with regard to operation and maintenance of environmental control systems</p> <p>3.4 Document a budget supporting the controlled environment management plan and seek approval</p> <p>3.5 Communicate the schedule of environmental control procedures clearly to staff</p>
4. Manage controlled growing environment	<p>4.1 Identify controlled environment indicators and thresholds for remedial action for monitoring</p> <p>4.2 Develop monitoring frequency and schedule according to the requirements of the production plan and communicate to staff</p> <p>4.3 Record, analyse and apply all monitoring data to ensure optimal plant development</p> <p>4.4 Document and report remedial action undertaken</p> <p>4.5 Monitor costs of the controlled growing environment system against budget</p> <p>4.6 Record and report budget adjustments</p> <p>4.7 Evaluate recorded information, budget data and production outputs and document operational achievements towards management objectives in a report</p>

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCPT503A Manage a controlled growing environment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>