



**Australian Government**

# **Assessment Requirements for AHCHYD502 Develop a plan for a hydroponic system**

**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 Release 11.0. |

## 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 developed a plan for a hydroponic system on at least one occasion, and has:

- researched the growing requirements, risks and returns of the proposed crop
- researched, interpreted and applied local council, legislative and regulatory requirements applicable to establishing a hydroponic system
- selected, designed or customised a system for the site and purpose
- surveyed the site for suitability and environmental impacts, and gained approvals
- developed a design plan
- presented a design plan to clients.

## Knowledge Evidence

An individual must be able to demonstrate knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices for developing a hydroponic system plan, including:
  - advantages and disadvantages of closed and open hydroponic systems
  - advantages and disadvantages of the different equipment used in hydroponic systems
  - environmental implications of the disposal of chemicals or chemical containers and the drainage of high nutrient effluent
  - local council, legislative and regulatory requirements applicable to establishing a hydroponic system
  - plant growing media choices, their properties and workplace specifications
  - technical requirements and operating parameters of recirculated and non-recirculated systems.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions :

- physical conditions:
  - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - hydroponic site
  - site information and research data applicable to developing a plan for a hydroponic system
- specifications:
  - local council, legislative and regulatory requirements applicable to establishing a hydroponic system
- relationships:
  - clients
- time frames:
  - according to job requirements.

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

## Links

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