



Australian Government

Assessment Requirements for AHCHYD303 Implement a maintenance program for hydroponic 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 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 implemented a maintenance program for hydroponic systems on at least one occasion, and has:

- applied relevant workplace environment and biosecurity legislation, regulations and workplace procedures
- monitored and assessed plant health
- performed titration test
- read nutrient analysis information
- administered nutrients to a hydroponic system as instructed
- monitored hydroponic maintenance programs
- undertaken hydroponic system maintenance and repair inspection
- completed checks and records.

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:

- environment and biosecurity legislation and regulations and workplace practices relevant to implementing a maintenance program for hydroponic systems
- principles and practices for implementing a hydroponic maintenance program, including:
 - characteristics of healthy and unhealthy plants
 - environmental implications of the disposal of chemicals or chemical containers, and the drainage of high nutrient effluent
 - equipment used in hydroponic systems
 - plant growing media choices and their properties
 - potential problems associated with a range of crops grown in a hydroponic environment

- properties of a nutrient solution
- recirculated and non-recirculated systems
- testing methods for a hydroponic nutrient solution, including titration tests and their purpose
- testing methods for the gauging of environmental parameters.

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:
 - work instructions and workplace procedures applicable to implementing a maintenance program for hydroponic systems
 - sampling tools and equipment, and materials, tools and equipment applicable to implementing a maintenance program for hydroponic systems
 - titration testing equipment and materials
- specifications:
 - environment and biosecurity legislation and regulations and workplace practices applicable to implementing a maintenance program for hydroponic systems
- relationships:
 - manager
- 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>