



**Australian Government**

# **AHCHYD301 Implement a maintenance program for hydroponic systems**

**Release: 1**

# AHCHYD301 Implement a maintenance program for hydroponic systems

## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## Application

This unit of competency describes the skills and knowledge required to implement a maintenance program for hydroponic growing systems.

It applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. 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

Hydroponics (HYD)

## 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. Monitor plant health	1.1 Interpret and clarify workplace information about the existing hydroponic system 1.2 Assess growth rate of plants against targets set in the production plan 1.3 Assess plants for overall health 1.4 Assess plant for onset of fruit according to production plan
2. Monitor the	2.1 Monitor environmental parameters according to the production

<b>Element</b>	<b>Performance criteria</b>
hydroponic environment	plan and make adjustments as required 2.2 Collect samples and send off for analysis to identify potential sources of contamination 2.3 Monitor and adjust hygiene procedures 2.4 Monitor disposal of materials to ensure it follows enterprise guidelines
3. Monitor nutrient solution	3.1 Identify ingredients of the hydroponic nutrient solution 3.2 Take samples for testing and analysis 3.3 Interpret and discuss results 3.4 Modify nutrient solution to ensure correct balance of ingredients
4. Perform routine maintenance checks	4.1 Inspect all buildings and structures for wear and tear 4.2 Check equipment for delivering the nutrient solution 4.3 Check equipment controlling the atmospheric and root zone environments
5. Complete monitoring activities	5.1 Report problems to the manager 5.2 Record all checks

## 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 AHCHYD301A Implement a maintenance program for hydroponic systems.

## Links

Companion Volume implementation guides are found in VETNet -

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