



Australian Government

AHCHYD304 Install hydroponic systems

Release: 1

AHCHYD304 Install hydroponic systems

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Release 11.0.

Application

This unit of competency describes the skills and knowledge required to install recirculating or non-recirculating hydroponic systems.

The unit applies to individuals who install hydroponic systems under broad direction and take responsibility for their own.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Hydroponics (HYD)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for installation	1.1 Interpret site plans and design specifications 1.2 Locate underground services according to site plans 1.3 Identify potential site problems 1.4 Identify potential hazards and risks, and implement safe working practices to manage risks

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.5 Identify environmental implications of installing the system according to environment and biosecurity legislation and regulations 1.6 Clear the site for installation 1.7 Select tools, equipment and materials required for installation work according to design and layout plans, and check for serviceability 1.8 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task
2. Install a hydroponic system	2.1 Prepare site for and install drainage channels and water collection and storage facilities according to design specifications 2.2 Assemble system infrastructure according to design specifications 2.3 Install system components according to design and layout plans and manufacturer specifications 2.4 Communicate problems associated with installation to the client or manager
3. Test and calibrate the system	3.1 Check infrastructure and systems are in working order and meet specifications 3.2 Calibrate hydroponic equipment 3.3 Test the system 3.4 Complete checklist of all testing results
4. Complete installation operations	4.1 Clean debris from site 4.2 Dispose of or recycle waste material from site 4.3 Clean, maintain and store tools and equipment 4.4 Identify and report unserviceable tools and equipment according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
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Reading	Identify and interpret workplace information, site plans and design specifications to identify relevant and key information about hydroponic system installation
Writing	Use clear language, accurate industry terminology and logical structure to complete testing results checklist
Oral communication	- Use clear language to report malfunctions, faults, wear or damage to tools and equipment - Respond to questions and clarify information

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status
AHCHYD304 Install hydroponic systems	AHCHYD302 Install hydroponic systems	Minor changes to application Minor changes to elements and performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links

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