



Australian Government

AHCPHT210 Assist with protected cropping water sampling and testing

Release: 1

AHC PHT210 Assist with protected cropping water sampling and testing

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to assist with protected cropping water sampling and testing.

The unit applies to individuals who assist with protected cropping water sampling and testing under general supervision with limited autonomy or accountability.

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

Pre-requisite Unit

Nil

Unit Sector

Production horticulture (PHT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Collect water sample	1.1 Confirm with supervisor crop water to be sampled 1.2 Identify and select water sample tools and materials 1.3 Identify environmental and biosecurity implications associated with sampling and testing crop water and minimise impact 1.4 Recognise workplace hazards and report safety concerns 1.5 Select, fit, use and maintain personal protective equipment applicable to the task and workplace safety requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.6 Take samples as instructed 1.7 Assist with labelling and recording samples as required
2. Perform basic tests on water sample	2.1 Identify content features of the water sample 2.2 Assist with testing and inspecting physical properties of water sample 2.3 Assist with testing chemical properties of water sample 2.4 Relate water test results to suitability of water for growing crops 2.5 Record water test results according to workplace procedures
3. Complete sampling and testing activities	3.1 Dispose of waste material according to workplace procedures 3.2 Clean and return tools and material to required location 3.3 Report water test results to supervisor

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
Reading	Interpret textual information from a range of sources to identify relevant and key information about workplace operations and products
Writing	Use clear language, accurate industry terminology and logical structure to prepare water test results
Oral Communication	Use clear language to confirm crop to be sampled and report water test results and report tool and material unserviceabilities
Navigate the world of work	Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility
Get the work done	Take responsibility for routine decisions about water sampling and testing and reflect on outcomes to identify effectiveness of decisions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT210 Assist with protected cropping water sampling and testing	Not applicable	New unit	No equivalent unit

Links

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

Assessment Requirements for AHCPTH210 Assist with protected cropping water sampling and testing

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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 sampled and tested protected crop water on at least two occasions and has:

- selected and used protected crop water sampling tools and material
- minimised environmental impacts associated with testing protected crop water
- followed industry and workplace biosecurity procedures
- applied workplace health and safety requirements
- collected and described water samples using descriptive terms
- assisted with the use of simple water testing equipment
- recorded and reported water testing results
- disposed of waste material, including test water and testing material.

Knowledge Evidence

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

- crop water sampling and testing tools operating instructions
- environmental impacts associated with testing protected crop water
- industry and workplace biosecurity procedures
- workplace requirements applicable to health and safety in the workplace for testing protected crop water
- principles and practices for recognising protected crop water properties, including:
 - basic water tests
 - water chemical properties
 - water physical properties
 - water and plant relationship
 - water sampling techniques.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - crop water sampling and testing tools and materials
 - personal protective equipment applicable to protected crop water sampling and testing
- specifications:
 - crop water sampling and testing tools operating instructions
 - workplace requirements applicable to health and safety in the workplace, and sampling and testing protected crop water
 - industry and workplace biosecurity procedures applicable to sampling and testing protected crop water
- relationships:
 - supervisor
- timeframes:
 - 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.

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