

**Modification history**

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

<b>AHCXXX2XX</b>	<b>Assist with protected cropping water sampling and testing</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to assist with protected cropping water sampling and testing including collecting and testing water sample, and completing sampling and testing activities.</p> <p>The unit applies to individuals who assist with protected cropping water sampling and testing under general supervision with limited autonomy or accountability.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	[Sector] ([SEC])

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 Select, fit and use personal protective equipment applicable to the task 1.5 Take samples as instructed 1.6 Assist with labelling and recording samples as required
2. Perform basic tests on water sample	2.1 Recognise basic features of a 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 2.5 Record water test results according to workplace procedures
3. Complete sampling and testing activities	3.1 Remove and dispose of waste material 3.2 Clean and return tools and material to required location 3.3 Identify and report unserviceable tools and material according to workplace procedures 3.4 Report water test results to supervisor

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations and products</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Use clear language, accurate industry terminology and logical structure to prepare water test results</li> </ul>
Oral Communication	<ul style="list-style-type: none"> <li>Use clear language to confirm crop to be sampled and report water test results and report tool and material unserviceabilities</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Take responsibility for routine decisions about water sampling and testing and reflect on outcomes to identify effectiveness of decisions</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCXXX2XX Assist with protected cropping water sampling and testing Release 1	Not applicable	New unit	No equivalent unit

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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<b>TITLE</b>	<b>Assessment requirements for AHCXXX2XX Assist with protected cropping water sampling and testing</b>
<b>Performance Evidence</b>	
<p>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 crops on at least two occasions and has:</p> <ul style="list-style-type: none"> <li>• selected and used protected crop water sampling tools and material</li> <li>• collected and described water samples using descriptive terms</li> <li>• assisted with the use of simple water testing equipment</li> <li>• removed and disposed of waste material</li> <li>• minimised environmental impacts associated with testing protected crop water</li> <li>• followed industry and workplace biosecurity procedures</li> <li>• applied workplace health and safety requirements</li> <li>• recorded and reported water testing results and unserviceable tools and material.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• crop water sampling and testing tools operating instructions</li> <li>• principles and practices for recognising protected crop water properties, including:                         <ul style="list-style-type: none"> <li>• basic water tests</li> <li>• water chemical properties</li> <li>• water physical properties</li> <li>• water and plant relationship</li> <li>• water sampling techniques</li> </ul> </li> <li>• workplace requirements applicable to health and safety in the workplace for testing protected crop water</li> <li>• environmental impacts associated with testing protected crop water</li> <li>• industry and workplace biosecurity procedures.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:                         <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials:                         <ul style="list-style-type: none"> <li>• crop water sampling and testing tools and materials</li> <li>• personal protective equipment applicable to protected crop water sampling and testing</li> </ul> </li> <li>• specifications:                         <ul style="list-style-type: none"> <li>• crop water sampling and testing tools operating instructions</li> <li>• workplace requirements applicable to health and safety in the workplace, and sampling and testing protected crop water</li> <li>• industry and workplace biosecurity procedures applicable to sampling and testing protected crop water</li> </ul> </li> <li>• relationships:                         <ul style="list-style-type: none"> <li>• supervisor</li> </ul> </li> <li>• timeframes:                         <ul style="list-style-type: none"> <li>• according to job requirements.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>