

## Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

<b>AHCSOL2XX</b>	<b>Assist with soil or growing media sampling and testing</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to assist with the sampling and testing of soil or growing media, including: collecting soil or media samples, performing basic tests on soil or media samples, complete sampling and testing activities.</p> <p>The unit applies to individuals who assist with soil or growing media sampling and testing under general supervision with limited autonomy or accountability.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Soils and media (SOL)

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 soil or media samples for testing	1.1 Confirm with supervisor soil or media to be sampled 1.2 Identify and select soil or media sampling tools and materials 1.3 Identify environmental and biosecurity implications associated with sampling and testing soil and growing media 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 soil or media sample	2.1 Recognise basic features of a soil or media profile 2.2 Assist with testing and inspecting physical properties of samples 2.3 Assist with testing chemical properties of samples 2.4 Relate soil or media test results to suitability of soil or media for growing
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 soil or media 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 soil and media test results</li> </ul>
Oral Communication	<ul style="list-style-type: none"> <li>Use clear language to confirm soil and media to be sampled and report test results, and report tool and material unserviceability</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>
AHCSOL2XX Assist with soil or growing media sampling and testing Release 1	AHCSOL202 Assist with soil or growing media sampling and testing Release 1	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	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>

<b>TITLE</b>	<b>Assessment requirements for AHCSOL2XX Assist with soil or growing media 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 soil or growing media on at least two occasions and has:</p> <ul style="list-style-type: none"> <li>• selected and used soil and growing media sampling tools and material</li> <li>• collected and described soil and media samples using descriptive terms</li> <li>• performed basic descriptive tests for soil texture, salinity and pH</li> <li>• assisted with the use of simple soil testing equipment for testing pH and salinity</li> <li>• removed and disposed of waste material</li> <li>• minimised environmental impacts associated with testing soil and media</li> <li>• followed industry and workplace biosecurity procedures</li> <li>• applied workplace health and safety requirements</li> <li>• recorded and reported soil and media sampling 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>• soil and growing media sampling and testing tools operating instructions</li> <li>• principles and practices for recognising soils or growing media properties, including:                         <ul style="list-style-type: none"> <li>• basic soil or media tests</li> <li>• soil or media chemical properties</li> <li>• soil or media physical properties</li> <li>• soil or media plant relationship</li> <li>• soil or media sampling techniques</li> </ul> </li> <li>• workplace requirements applicable to health and safety in the workplace for testing soil or growing media</li> <li>• environmental impacts associated with testing soil or growing media</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>• soil and growing media sampling and testing tools and materials</li> <li>• personal protective equipment applicable to soil and growing media sampling and testing</li> </ul> </li> <li>• specifications:                         <ul style="list-style-type: none"> <li>• soil and growing media sampling and testing tools operating instructions</li> <li>• workplace requirements applicable to health and safety in the workplace, and sampling and testing soil and growing media</li> <li>• industry and workplace biosecurity procedures applicable to sampling and testing soil and growing media</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>

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