



**Australian Government**

# **AHCSOL303 Implement soil improvements for garden and turf areas**

**Release: 2**

# AHCSOL303 Implement soil improvements for garden and turf areas

## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## Application

This unit of competency describes the skills and knowledge required to provide information about and determine its suitability for garden beds or turf areas and determine ameliorants or additives to improve it.

This unit applies to individuals who take responsibility for their 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

Soil (SOL)

## 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. Prepare and collect soil samples for testing	1.1 Determine reasons for testing of soil 1.2 Prepare tools and materials for collecting samples 1.3 Take samples according to recognised sampling techniques 1.4 Label and record samples
2. Determine physical characteristics of	2.1 Conduct tests for texture and structure on the samples 2.2 Determine soil colour and the presence of organic matter

Element	Performance criteria
sample	2.3 Determine characteristics of soil profile where required 2.4 Determine depth of topsoil and determine if sufficient for the requirements of the plants to be installed 2.5 Determine the ability of soil to drain or retain water 2.6 Assess the physical characteristics of soil and determine improvements needed
3. Determine chemical characteristics of sample	3.1 Conduct tests for pH and salinity 3.2 Determine the suitability of soil for particular plants 3.3 Determine the soil's fertility and the need for additional fertiliser or other amendments 3.4 Determine the chemical characteristics of soil and improvements needed
4. Prepare soils for planting or replanting	4.1 Improve physical characteristics of garden or lawn areas as required 4.2 Adjust pH and salinity of soil in garden or lawn areas as required 4.3 Incorporate additional soil as needed to establish final levels 4.4 Finish soil level and consolidate ready for planting according to planting plans and enterprise procedures

## Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

## Unit Mapping Information

Unit is not equivalent to AHCSOL302A Construct a soil profile.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>