



Australian Government

Assessment Requirements for AHCSOL406 Sample soils and interpret results

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

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 soils and interpreted results on at least two occasions, and has:

- identified and collected soil samples using appropriate sampling methodology
- applied testing agency requirements applicable to sampling soils
- applied workplace health and safety requirements applicable to sampling soils
- prepared soil samples for dispatch to soil analysis laboratory
- received, interpreted and compared published data and records with analytical results
- filed and recorded results according to workplace procedures
- provided soil improvement recommendations.

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:

- testing agency requirements applicable to sampling soils
- workplace health and safety requirements applicable to sampling soils
- principles and practices of soil sampling, including:
 - environmental implications associated with soil sampling activities and the application of analytical results
 - practical understanding of the range of sample collection, testing and analytical methods that may be used to perform soil samples, and the association of sampling methods with site conditions, environmental implications and intended horticultural use of the sampled site
 - soil ameliorants and soil improvement techniques for addressing site limitations identified through sampling
 - the capacity of soils to provide water to plants

- the importance of organic matter in soil in relation to the intended horticultural use
- the physical and chemical properties of soils in relation to their ability to support specified horticultural production
- workplace filing and recording procedures.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - soil sampling and testing tools, equipment and machinery
 - safety and personal protective equipment applicable to soil sampling
 - principles and practices of soil sampling
- specifications:
 - testing agency requirements applicable to sampling soils
 - workplace health and safety requirements applicable to sampling soils
 - workplace filing and recording procedures
- 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.

Links

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