



**Australian Government**

# **Assessment Requirements for AHCSOL505 Monitor and manage soils for production**

**Release: 1**

# Assessment Requirements for AHCSOL505 Monitor and manage soils for production

## Modification History

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

## 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 monitored and managed soils for at least one product project and has:

- interpreted soil analytical data for the purposes of developing management or production plans
- identified particular soil properties that are relevant to the workplace and researched for further enquiry
- applied information from soil testing to production or management plan
- documented the soil management plan or production plan
- developed soil improvement programs
- reviewed ongoing soil monitoring programs.

## 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:

- principles and practices for managing soils for production, including:
  - basic soil field tests
  - interpreting laboratory results
  - soil chemical properties
  - soil conservation strategies and sustainable production techniques
  - soil physical properties
  - soil sampling techniques
  - soil types
  - strategies to ameliorate soil properties.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
  - published data and records
  - production history
  - soil sampling equipment
  - soil test results
- specifications:
  - testing agency requirements
- timeframes:
  - according to the 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>