



Australian Government

AHCSOL302 Develop and apply knowledge of fertiliser and soil ameliorant products

Release: 1

AHCSOL302 Develop and apply knowledge of fertiliser and soil ameliorant products

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to develop, and apply knowledge through the provision of advice to others, of fertiliser and soil ameliorant products, including storage and handling.

The unit applies to individuals who develop and apply knowledge of fertiliser and soil ameliorant products under broad direction and take responsibility for their own work.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and environment and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Soils and Media (SOL)

Elements and Performance Criteria

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. Develop and provide information on fertiliser and soil ameliorant product use and issues	1.1 Source information about new products and developments 1.2 Provide information about fertiliser and soil ameliorant product to customers

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify and explain workplace health and safety, food safety and environmental issues relating to fertiliser and soil ameliorant products to customers 1.4 Identify and describe bulk fertiliser and soil ameliorant products to customers 1.5 Identify and maintain fertiliser and soil ameliorant products biosecurity protocols and quarantine procedures
2. Store and handle fertiliser and soil ameliorant products	2.1 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 2.2 Identify product storage and handling requirements 2.3 Identify potential hazards and risks, and implement safe working practices to manage risks 2.4 Identify environmental risks associated with particular products, and take appropriate action to minimise risks 2.5 Handle and store products according to workplace procedures

Foundation Skills

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.

Skill	Description
Reading	Interpret key information regarding fertiliser and soil ameliorant product information, biosecurity protocols and quarantine procedures
Oral communication	Use clear language with customer to explain product information, including handling, storage and application

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

AHCSOL302 Develop and apply knowledge of fertiliser and soil ameliorant products	AHCWRK307 Develop and apply fertiliser and soil ameliorant product knowledge	Changes to unit title, application and sector Major and minor changes to performance criteria Foundation skills added Major and minor edits to performance and knowledge evidence and assessment conditions	Not equivalent
---	---	--	----------------

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCSOL302 Develop and apply knowledge of fertiliser and soil ameliorant products

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

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 developed and applied fertiliser and soil ameliorant product knowledge on at least one occasion and has:

- identified fertiliser and soil ameliorant products using information about their characteristics, labelling, handling and storage
- provided information to customers about fertiliser and soil ameliorant products
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- stored and handled fertiliser and soil ameliorant products according to workplace procedures
- recognised and reported workplace health and safety hazards and used safe work practices.

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:

- characteristics and key label components, including product analysis, impurities and warnings of the range of fertiliser and soil ameliorants sold or handled in the workplace
- key environmental, workplace health and safety and food safety risks associated with the use, spreading, storage, handling and transport of fertilisers and soil ameliorants
- workplace requirements applicable to health and safety in the workplace for handling, storage and application of fertiliser and soil ameliorants, including appropriate use of PPE.

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:
 - fertiliser and soil ameliorant products
 - PPE applicable to handling, storage and application of fertiliser and soil ameliorants
- specifications:
 - workplace health and safety legislation, regulations, codes of practice and workplace procedures relevant to handling, storage and application of fertiliser and soil ameliorants
 - workplace documents, including workplace environmental procedures, processes, instructions and job specifications relevant to handling, storage and application of fertiliser and soil ameliorants.

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>