



Australian Government

**AHCPCM505 Conduct environment and
food safety risk assessment of plant
nutrition and soil fertility programs**

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to conduct an environment and food safety risk assessment on established or developing plant nutrition and soil fertility programs develop a nutrient management plan.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. 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

Plants culture and management (PCM)

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. Maintain currency of environment and food safety information relating to fertilisers and soil ameliorants	1.1 Research, identify and document community, government and agricultural industry concerns and legislative requirements in relation to fertiliser and soil ameliorant environmental stewardship and define initiatives to address them 1.2 Identify and document local information relating to nutrient

Element	Performance criteria
	<p>management, particularly in a catchment or regional context, by communicating with local organisations</p> <p>1.3 Research, identify and document national and local information and standards relating to food safety associated with fertiliser and soil ameliorant use</p> <p>1.4 Research, identify and document information and standards relating to transporting, handling, storing and applying fertilisers and soil ameliorants</p>
<p>2. Evaluate environmental risks and develop a nutrient management plan</p>	<p>2.1 Identify and document environmentally significant features of fertiliser, soil ameliorants, soil, landscape and climate that are likely to influence environmental risks associated with plant nutrition and soil fertility programs</p> <p>2.2 Identify and document agronomic and operational activities associated with fertiliser and soil ameliorant programs and associated environmental risk categories</p> <p>2.3 Evaluate and prioritise environmental risks and impacts associated with agronomic and operational activities</p> <p>2.4 Identify and evaluate management options to appropriately address environmental risks</p> <p>2.5 Develop a plant nutrition and soil fertility management plan and present to the land owner or manager</p> <p>2.6 Discuss appropriate management options to address any identified environmental risks with client and gain agreement</p> <p>2.7 Use nutrient management tools in conjunction with land owner or manager to monitor effectiveness of management decisions over time</p> <p>2.8 Identify opportunities to improve efficiency and effectiveness of plant nutrition and soil fertility program, including use of fertilisers and soil ameliorants and modify operational and agronomic recommendations accordingly</p>
<p>3. Identify and communicate relevant best practice in transport, handling and storage for environmental stewardship to land owner or manager</p>	<p>3.1 Identify key environmental product stewardship issues in transport, handling and storage of fertilisers and soil ameliorants relevant to the plant nutrition and soil fertility program as contained in codes of practice and legislation</p> <p>3.2 Develop a report on the identified key environmental stewardship issues and present to the land owner or manager</p>

Foundation Skills

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

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCPCM505A Conduct environment and food safety risk assessment of plant nutrition and soil fertility programs.

Links

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