



Australian Government

Assessment Requirements for AHCMER406 Provide information on fertilisers and soil ameliorants

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- take soil, plant tissue and water samples
- use and explain use of nutrient management tools
- provide information on the relationship between soil types, water, crops, fertiliser and soil ameliorant use
- follow enterprise work health and safety policies
- follow enterprise biosecurity and sustainability policies

Knowledge Evidence

The candidate must demonstrate knowledge of:

- crop nutrient requirements - both macro and micro nutrients
- effect of soil ameliorants in dispersion and adjustment for acidity or alkalinity (pH)
- fertiliser and soil ameliorant application methods, including timing and frequency of fertiliser and soil ameliorant application to minimise losses
- fertiliser and soil ameliorants availability and relative costs
- industry production regimes and fertiliser practices
- sources of technical information
- major nutrient management risks of leach, run-off, load, blow, mine and how these impact on the environment
- nutrient management advisory tools and processes used by advisers in making a crop nutrition recommendation
- organisational work health and safety and environmental procedures, practices and policies in operating sampling equipment
- packaging and dispatch procedures for samples
- physical, chemical and biological properties related to a healthy soil and environment,

- sampling tools and methods, including soil, plant tissue and water tests; yield monitoring; and electrical conductivity survey
- impact of climate on soil productivity
- environmental impacts including soil structural decline, fertility decline, acidification and salinity, erosion, loss of organic matter, water quality, fertiliser and soil ameliorant impurities, and greenhouse gas emissions
- work health and safety legislation
- use, transport, handling and storage requirements of fertiliser and soil ameliorants in terms of legislation, codes of practice, environmental stewardship and human safety

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

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