



Australian Government

Assessment Requirements for AHCPCM301 Implement a plant nutrition program

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:

- identify goals, target site, soils and plants for implementing the program
- identify materials and their supply source
- monitor soil pH in the implementation site
- identify appropriate products and application methods appropriate to implementing nutrition program
- estimate treatment and product requirements, material sizes and quantities
- conduct a site hazard identification and risk control assessment
- determine nutritional problems in plants
- plant nutrition program specifications
- apply specific products at appropriate rates and record their application
- select, check and calibrate tools, equipment and machinery

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of plant nutrition
 - botany and plant physiology
 - methods of nutrient uptake by plants
 - nutrient cycling and its practical relevance to the specific plants and soils
 - nutrients required by plants grown within the enterprise
 - soil ameliorants commonly required to treat the soil problems experienced by the enterprise
 - the effects of nutrient deficiency and toxicity on plant species and varieties
 - the environmental implications of soil ameliorant and fertiliser use

- the main simple and compound fertiliser products available to the enterprise including analysis, solubility, salt index, application rates and costs
- the relationship between soil characteristics and the availability of nutrients

Assessment Conditions

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>