



Australian Government

Assessment Requirements for AHCPCM305 Implement a plant nutrition program

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

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 implemented a plant nutrition program on at least one occasion, and has:

- applied workplace health and safety requirements, including a site hazard identification and risk control assessment
- minimised environmental and biosecurity impacts associated with the plant nutrition program
- identified appropriate products and application methods according to nutrition program
- determined nutritional problems in plants
- selected, calibrated and operated plant nutrition program tools, equipment and machinery, and checked for safe operation
- calculated treatment and product requirements, material sizes and quantities
- applied specific products at appropriate rates
- recorded product applications and plant nutrition program activities
- reported target plant response, non-target effects or responses, and unserviceable tools, equipment and machinery
- removed and disposed of waste material
- cleaned, maintained and stored tools, equipment and machinery.

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:

- workplace health and safety requirements applicable to implementing a plant nutrition program
- industry and workplace environmental and biosecurity procedures applicable to implementing a plant nutrition program
- principles and practices of plant nutrition, including:

- methods of nutrient uptake by plants
- nutrient cycling and its practical relevance to the specific plants and growing media
- common nutrients requirements applicable to plants grown in the workplace
- ameliorants commonly used to treat soil or growing media problems
- the effects of nutrient deficiency and toxicity on plant species and varieties
- the environmental implications of ameliorant and fertiliser use
- the main simple and compound fertiliser products available to the workplace, including analysis, solubility, salt index, application rates and costs
- the relationship between soil characteristics and the availability of nutrients
- plant nutrition tools, equipment and machinery operating instructions and safe work procedures.

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:
 - plant nutrition tools, equipment and machinery
 - soil ameliorants, fertiliser and plant nutrition products commonly used to treat soil problems
 - personal protective equipment applicable to plant nutrition
- specifications:
 - plant nutrition tools, equipment and machinery operating instructions and safe work procedures
 - industry and workplace environmental and biosecurity procedures applicable to implementing a plant nutrition program
 - workplace health and safety requirements applicable to implementing a plant nutrition program
- relationships:
 - supervisor and horticulturalist
- timeframes:
 - according to 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>