



Australian Government

Assessment Requirements for FBPVIT3010 Implement a soil management program

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

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 monitored, implemented and evaluated a soil management program for a vineyard at least once and demonstrated the following including:

- accessing workplace information to identify vineyard soil requirements
- ensuring use of workplace health and safety procedures
- selecting and fitting personal protective equipment
- determining requirements for vineyard soil management and making recommendations for approval
- coordinating resources and activities to implement soil management program
- monitoring and identifying non-conformances with the effectiveness of soil management program
- completing workplace records.

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 hazards and controls including selecting, fitting and using appropriate personal protective equipment
- soil management techniques and their effect on soil, vine growth, cropping levels and wine quality:
 - ideal soil environment for vines plus specific requirements of grapes grown
 - visual signs of vine nutrient deficiencies
 - sampling techniques and procedures
 - routine testing techniques and procedures
 - interpretation of routine tests

- procedures for monitoring the vineyard and interpreting the results to identify vineyard soil management requirements, including:
 - soil moisture content
 - water table level
 - weed population
 - nutrient levels in plant and soil
 - signs of vine nutrient deficiencies
 - climatic conditions
 - cover crop practices
 - soil analyses including pH and salinity
 - evidence of hard pans
 - soil texture
 - vine root distribution
 - irrigation water quality
 - erosion risk
 - soil management history
 - growth of mid-row sward
- procedures for planning and implementing the soil management program:
 - resources, including operators with appropriate skills
 - equipment availability and capability
 - materials and chemicals
 - maintenance programs and supplies
 - specific needs of individual blocks
 - application rates for soil addition
 - environmental conditions
- procedures for monitoring soil management activities:
 - operator performance
 - operating conditions
 - operating results
 - material supplies
 - equipment performance
- how to identify, rectify and report environmental non-conformance
- procedures and responsibility for reporting non-conformance
- consulting with appropriate personnel:
 - presenting and justifying recommendations to senior personnel
 - instructing and supervising operators
- application rates for soil addition
- how to complete workplace records.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a vineyard workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment
 - sampling and testing equipment, services and corresponding information
 - vineyard soils and growing media
 - documentation and recording requirements and procedures
- specifications:
 - work procedures, including advice on company practices, safe work practices, soil quality and environmental requirements
 - work instructions and schedules.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>