



Australian Government

**Assessment Requirements for FBPVIT3007
Operate specialised canopy management
equipment**

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 safely and effectively set up, operated and shut down specialised canopy management equipment on at least one occasion including:

- recognising health and safety hazards in the workplace and applying controls
- selecting and using personal protective equipment (PPE)
- attaching and setting up equipment to meet job requirements
- starting, operating, and shutting down equipment safely and according to workplace procedures
- taking corrective action according to non-conformances
- disposing of waste according to workplace procedures
- recording information according to workplace procedures.

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:

- key factors affecting the canopy management technique, including:
 - climate, forecast and current weather conditions
 - vineyard aspect and terrain
 - grape variety and vigour
 - grape quality and characteristics required
 - trellis design
 - harvesting techniques
 - disease risk and occurrence
 - stage of maturity and development
- canopy management equipment, operating parameters and procedures

- factors influencing vine vigour:
 - grape variety
 - trellis design
 - vine spacing
 - fertilisers
 - irrigation
 - rootstock
- features and benefits of a range of canopy management styles and techniques and their respective effect on grape quality, cropping yield and wine production requirements, including techniques to manage:
 - light penetration and shading
 - air circulation and disease reduction
 - annual growth stages of vine development
 - crop quality and quantity
- significance and method of monitoring canopy management activities
- purpose and basic components of canopy management equipment
- operational procedures for equipment:
 - attaching equipment to tractor
 - setting up equipment to meet requirements
 - confirming equipment status and condition
 - operating equipment to meet requirements
 - starting and shutting down equipment
 - recognising equipment performance problems and rectifying and reporting
 - cleaning and storing equipment
 - detaching equipment from tractor
 - using appropriate cleaning techniques
 - carrying out routine maintenance of equipment
- monitoring canopy management activities:
 - width of canopy
 - speed of tractor and power take-off rpm
 - density of foliage
 - air circulation
 - light penetration or shade
 - bud numbers, spur length
 - vine damage
 - rate of progress
- health and safety hazards and controls in the workplace
- selecting, fitting and using PPE
- environmental issues and controls
- basic vine canopy problems or anomalies

- taking corrective action in response to non-conformances
- system for reporting problems
- cleaning and storage requirements and procedures for equipment
- maintaining workplace records.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a vineyard or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - canopy management equipment, services and corresponding information
 - vines requiring canopy management
 - cleaning procedures, materials and equipment
 - documentation and recording requirements and procedures
- specifications:
 - work procedures, including advice on company practices, safe work practices, canopy management 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>