



Australian Government

Assessment Requirements for FBPVIT3011 Perform shed nursery activities

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 effectively treated and prepared vine cuttings and freshly dug rootlings on at least two separate occasions including:

- identifying and using personal protective equipment (PPE)
- following health and safety and environmental procedures in the workplace
- conducting cuttings treatment and callusing activities according to workplace procedures
- preparing rootlings for packing and storage
- maintaining nursery environment to optimise plant health
- identifying and addressing non-conformances
- completing documentation.

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:

- health and safety hazards and environmental controls including selecting, fitting and using PPE
- procedures and responsibilities for reporting problems
- common features of healthy vine cuttings or rootlings:
 - thickness of original cane
 - no evidence of pests and diseases
 - number, strength and distribution of new roots
 - number, maturity and distribution of shoots
 - visually complete and robust graft union
- common features of unhealthy vine cuttings or rootlings:
 - galls on stem and roots

- no shoots or roots
- damaged or destroyed buds
- excessive disease staining or spots on canes
- immature wood
- shoots on incorrect nodes
- faulty or broken graft unions
- too few or unevenly distributed root development
- pre-callusing treatment requirements:
 - purpose and benefit of treatments
 - fungicide treatment
 - re-hydration
 - scoring
 - root promoter treatment
 - cutting just below basal bud
 - assimilation after cool storage
- storage requirements of cuttings prior to callusing:
 - preparation requirements of callusing environment
 - callusing options
 - optimum callusing environment and its effect on the vine cutting
 - common problems that occur during callusing and how they should be resolved
- preparation requirements for rootlings and procedures for sales or transfer to vineyard
- package or storage requirements and procedures for rootlings ready for sale or transfer:
 - handling cuttings or rootlings to minimise damage
 - counting, bundling and labelling cuttings as required
- factors that influence how a cutting should be graded:
 - rootling preparation
 - packing preparation
 - packaging and storage requirements
- how to prepare sand bed or callusing room including:
 - packing sand or vermiculite
 - lining boxes
 - ensuring heaters and ventilators are working correctly to required temperature
- how to plant or place cuttings in callusing environment as required:
 - feeling into ground or sand
 - packing into boxes with vermiculite
 - watering in
 - correct number of cuttings per box
 - spacing (not too tight)
 - correct way up (basal end at bottom)
 - arranging according to variety, clone and source

- labelling and mapping of beds
- adding hormone mixes
- how to monitor callusing environment to maintain optimum conditions:
 - temperature
 - relative humidity
 - moisture levels of growing medium
 - weed and pest prevention
- how to pack rootlings to comply with customer requirements and standards:
 - maintenance of rootling health
 - minimisation of vine damage
 - mode of transport
 - destination time
 - storage time and method
 - prevention of dehydration
- how to trim rootlings (top growth and roots) ready for planting
- how to grade rootlings to comply with customer requirements
- waste disposal requirements and procedures
- hygiene requirements and procedures for work area and equipment, and considerations handling different batches and varieties
- environmental issues and controls:
 - identifying, rectifying and reporting environmental non-compliance
 - collecting, sorting, grading, treating and disposing of waste as required
- reporting and recording requirements
- how to prepare and mix chemicals safely
- how to recognise problems and anomalies with vines, equipment and materials.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a shed nursery workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - shed nursery equipment, services and corresponding information
 - cuttings, rootlings, materials and resources required for shed nursery work
 - documentation and recording requirements and procedures
- specifications:
 - work procedures, including advice on company practices, safe work practices, workplace hygiene, plant 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>