



Australian Government

FDFWGG2016A Install and maintain vine trellis

Release: 2

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Modification History

This unit supersedes and is equivalent to FDFWGGMVTB Install and maintain vine trellis.
April 2012: Minor typographical corrections.

Unit Descriptor

Unit descriptor	This specialist unit has been developed for the wine grape growing stream of the wine sector. It covers the skills and knowledge required to install and maintain vine trellising.
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Application of the Unit

Application of the unit	This unit applies to installing and maintaining trellises for vines used in winemaking. Trellises are installed and maintained according to written or verbal instructions. Equipment used is both manual and automatic.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for trellising activities	1.1 Existing trellises are checked for signs of disrepair 1.2 Equipment is prepared and checked to confirm readiness for use 1.3 Materials are selected according to instructions 1.4 Posts and supports are laid out according to instructions 1.5 Wire is run out according to instructions
2. Erect and maintain trellises	2.1 Equipment is started up and operated according to workplace procedures 2.2 Trellis ends and posts are erected and assemblies strained according to instructions 2.3 Foliage and trellis wires are attached and tensioned according to instructions 2.4 Trellis maintenance is carried out according to workplace procedures 2.5 Problems and anomalies are recognised, rectified and/or reported
3. Complete trellising activities	3.1 Equipment is shut down according to workplace procedures as required 3.2 Equipment is cleaned and stored according to workplace procedures 3.3 Materials are stored according to workplace procedures 3.4 Waste is collected and disposed of or recycled according to workplace procedures 3.5 Work is conducted in accordance with workplace environmental guidelines
4. Record information	4.1 Workplace information is recorded in the appropriate format

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills include:

Note: The following required skills should be applied as appropriate to the equipment and processes that are used in the particular winery or workplace.

Ability to:

- access workplace information to identify trellis requirements
- select, fit and use appropriate personal protective clothing and/or equipment
- select appropriate materials. This will include type and quantity
- check equipment and complete pre-start checks as required
- repair trellis according to workplace standards. This may include:
 - positioning and depth of posts and strainers
 - positioning and number of wires
 - tightness and grade of wire
- lay out posts and supports according to instructions. This may include:
 - spacing
 - type
 - numbers
 - positioning
 - safe handling procedures
- run out wire according to instructions. This will include:
 - securing of ends
 - safe handling procedures
 - cutting correct length
 - positioning
- operate equipment according to instructions
- erect trellis ends and assemblies according to instructions
- attach foliage and trellis wires according to instructions. This includes:
 - spacing
 - alignment
 - height
 - tension
 - fixing method
 - joining systems (e.g. wire knots)
- recognise, rectify and/or report problems and anomalies of trellis installation
- use hand tools
- collect, sort, treat, dispose of and/or recycle waste
- identify, rectify and/or report environmental non-compliance

- clean and store equipment according to instructions
- use appropriate cleaning techniques
- implement appropriate occupational health and safety (OHS) procedures
- store unused materials
- maintain work area to meet housekeeping standards
- conduct routine maintenance of equipment according to enterprise procedures
- use oral communication skills/language to fulfil the job role as specified by the organisation, including questioning, active listening, asking for clarification and seeking advice from supervisor
- work cooperatively within a culturally diverse workforce.

Required knowledge includes:

Note: The following required knowledge should be applied as appropriate to the equipment and processes that are used in the particular winery or workplace.

Knowledge of:

- purpose, features and components of the trellis system
- trellis installation process and procedures
- common maintenance requirements of vineyard trellising and how to repair them
- common faults, problems and how to solve them
- safe handling of materials and equipment
- purpose and application of personal protective clothing and/or equipment
- OHS hazards and controls
- environmental issues and controls
- procedures and responsibility for reporting problems and anomalies
- cleaning and storage requirements and procedures for equipment
- storage requirements and procedures for materials
- maintenance procedures for equipment where relevant.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	Assessment must be carried out in a manner that recognises the cultural and literacy requirements of the assessee and is appropriate to the work performed. Competence in this unit must be achieved in accordance with food safety standards and regulations.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of ability to: • use personal protective clothing and equipment where required • carry out trellis repairs according to instructions • lay out posts and supports according to instructions • cut, cure, position and tension wires according to instructions • store unused materials correctly • collect and recycle or dispose of waste according to procedures.
Context of and specific resources for assessment	Assessment must occur in a real or simulated workplace where the assessee has access to: • personal protective clothing and equipment as required • work procedures, including advice on company practices, safe work practices, food safety, quality and environmental requirements • instructions, information, specifications and schedules as required • equipment, services and corresponding information as required • products and materials as required • internal and external customers and suppliers as required • cleaning procedures, materials and equipment as required • documentation and recording requirements and procedures.
Method of assessment	This unit should be assessed together with other units of competency relevant to the function or work role.

EVIDENCE GUIDE

Guidance information for assessment

To ensure consistency in one's performance, competence should be demonstrated on more than one occasion over a period of time in order to cover a variety of circumstances, cases and responsibilities, and where possible, over a number of assessment activities.

Range Statement**RANGE STATEMENT**

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Policies and procedures

Work is carried out in accordance with workplace procedures, licensing requirements and legislative requirements

Workplace information

Workplace information can include:

- Standard Operating Procedures (SOPs)
- specifications
- production schedules
- instructions
- routine maintenance schedules
- work notes
- Material Safety Data Sheets (MSDS)
- manufacturer instructions
- verbal direction from manager, supervisor or senior operator

Equipment

Equipment may include:

- wire strainers
- pliers
- manual and mechanical post inserters
- hammers
- saws

Materials

Materials may include:

RANGE STATEMENT	
	• wire • staples • posts
Trellis installation and maintenance	Trellis installation and maintenance includes: • supports • posts • strainers • wires
Waste	Waste may include: • wire lengths • broken or faulty posts and supports • faulty fastenings

Unit Sector(s)

Unit sector	Wine operations
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