



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **FPIFGM2205B Prune trees**

**Release: 1**

## FPIFGM2205B Prune trees

### Modification History

Not Applicable

### Unit Descriptor

#### Unit descriptor

This unit describes the outcomes required to carry out the work involved in selecting appropriate trees and preparing them for pruning, and performing and assessing the pruning process

General workplace legislative and regulatory requirements apply to this unit; however there are no specific licensing or certification requirements at the time of publication

This unit replaces FPIFGM2205A Prune trees

### Application of the Unit

#### Application of the unit

The unit involves pruning trees in a variety of work settings, including:

- forest environment
- farms
- agriculture
- workshops
- domestic
- nurseries
- local councils

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority

### Licensing/Regulatory Information

Refer to Unit Descriptor

## **Pre-Requisites**

Not Applicable

## **Employability Skills Information**

**Employability skills**          This unit contains employability skills

## **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 pruning	<p>1.1. Applicable <i>occupational health and safety</i> (OHS), <i>environmental</i>, <i>legislative</i> and <i>organisational requirements</i> relevant to pruning trees are identified and followed</p> <p>1.2. Site <i>environmental protection measures</i> are identified and adhered to in line with relevant legislation and regulations</p> <p>1.3. Pruning requirements are determined from <i>work order</i> and checked with <i>appropriate personnel</i></p> <p>1.4. <i>Equipment</i> appropriate to work requirements is selected and checked for operational effectiveness in line with manufacturer recommendations</p> <p>1.5. <i>Hazards</i> and site conditions are inspected and assessed in line with regulations, site procedures and environmental requirements</p> <p>1.6. <i>Communication</i> with others is established and maintained in line with OHS requirements</p>
2. Select and prune trees	<p>2.1. Trees are <i>selected</i> in line with work order to meet production target and quality requirements</p> <p>2.2. Trees are <i>pruned</i> in line with work order to meet production target and quality requirements</p> <p>2.3. Suitable personal protective clothing and equipment are selected, used and maintained in line with site procedures</p> <p>2.4. Ladder handling and pruning techniques are used in line with site standards and OHS requirements</p> <p>2.5. Problems and equipment faults are identified and reported in line with site procedures</p>
3. Assess pruning quality	<p>3.1. Trees are assessed to ensure appropriate selection, pruning quality and pruned stock level in line with work order and environmental requirements</p> <p>3.2. Incorrect pruning is rectified in line with site procedures</p> <p>3.3. Pruned material is <i>disposed of</i> in line with site procedures and environmental requirements</p> <p>3.4. Pruning process is <i>recorded and reported</i> to the appropriate personnel</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

#### Required skills

- Technical skills sufficient to use and maintain relevant tools, machinery and equipment; identify and select crop trees; efficiently and safely apply pruning techniques; recognise common diseases, pests and nutritional deficiencies
- Communication skills sufficient to use appropriate communication and interpersonal techniques with colleagues and others, including landholders and internal and external bodies and groups
- Literacy skills sufficient to locate, record and report information
- Numeracy skills sufficient to measure, estimate and calculate time required to complete a task
- Problem solving skills sufficient to review and identify work requirements; identify problems and equipment faults; demonstrate appropriate response procedures

#### Required knowledge

- Applicable commonwealth, state or territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for pruning trees
- Environmental protection requirements, including the safe disposal of waste material and returning the environment to its original or near to original condition on completion of activity
- Organisational and site standards, requirements, policies and procedures for pruning trees
- Environmental risks and hazards
- Using material effectively and efficiently
- Form pruning techniques
- Hazards associated with pruning trees
- Established communication channels and protocols
- Problem identification and resolution strategies, and common fault finding techniques
- Types of tools and equipment, and procedures for their safe use and maintenance
- Appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
- Procedures for recording and reporting workplace information

# 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

A person who demonstrates competency in this unit must be able to provide evidence that they can safely and efficiently identify appropriate trees and apply accurate pruning techniques to crop trees

### Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to, and satisfy, all of the requirements of the elements of this unit and include demonstration of:

- following applicable commonwealth, state or territory legislative and regulatory requirements and codes of practice relevant to pruning trees
- following organisational policies and procedures relevant to pruning trees
- pruning trees in line with work order and organisational requirements
- selecting, using, transporting and storing pruning equipment
- assessing pruned trees against work order and rectifying incorrect pruning outcomes

### Context of and specific resources for assessment

- Competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of required knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to follow relevant regulatory or Australian Standards requirements
- The following resources should be made available:
  - workplace location or simulated workplace
  - materials and equipment relevant to undertaking work applicable to this unit
  - specifications and work instructions

### Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 Training Package
- Assessment methods must confirm consistency and

## EVIDENCE GUIDE

accuracy of performance (over time and in a range of workplace relevant contexts) together with application of required knowledge

- Assessment must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of employability skills
- Assessment methods must confirm the ability to access and correctly interpret and apply the required knowledge
- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances
- Assessment may be in conjunction with assessment of other units of competency
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

## 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. **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.

**OHS requirements:** are to be in line with applicable commonwealth, state or territory legislation and regulations, and

## RANGE STATEMENT

organisational safety policies and procedures, and may include:

- personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- fatigue management
- elimination of hazardous materials and substances
- safe forest practices, including required actions relating to forest fire
- manual handling including shifting, lifting and carrying

**Environmental** may include:

- legislation
- organisational policies and procedures
- workplace practices

**Legislative requirements:**

are to be in line with applicable commonwealth, state or territory legislation, regulations, certification requirements and codes of practice and may include:

- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- OHS
- the environment
- equal opportunity
- anti-discrimination
- relevant industry codes of practice
- duty of care

**Organisational requirements** may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance
- procedural manuals
- quality and continuous improvement processes and standards
- OHS, emergency and evacuation procedures

## RANGE STATEMENT

- ethical standards
  - recording and reporting requirements
  - equipment use, maintenance and storage requirements
  - environmental management requirements (waste disposal, recycling and re-use guidelines)
- Environmental protection measures** may include:
- ground growth
  - canopy
  - general forest lean
  - wind speed and direction
  - fallen trees
  - density of trees
  - ground slope
  - soil and water protection
  - ground hazards and obstacles
  - contingencies for modifying operations during wet or other adverse weather conditions
  - hygiene of the area
  - relevant commonwealth, state or territory, and local legislation and regulations
- Work order** may include:
- tree species
  - required safety clothing and equipment
  - required pruning equipment
  - tree selection
  - production target
  - required pruning quality
  - instructions for the environmental monitoring of work and procedures
  - environmental care requirements relevant to the work
- Appropriate personnel** may include:
- supervisors
  - clients
  - colleagues
  - line management
- Equipment** may include:
- pruners
  - jacksaw
  - pouch
  - steps
  - epicormic remover
  - pole saw

## RANGE STATEMENT

- ladder
  - climbing gear
  - elevated work platform
  - cherry picker
- Hazards** may include:
- slope
  - water
  - rock
  - undergrowth
  - slash
  - depressions and holes
  - falling or fallen branches
  - ladder placement or instability
  - climbing ladders
  - loss of balance
  - damp conditions
- Communication** may include:
- verbal and non-verbal language
  - constructive feedback
  - active listening
  - questioning to clarify and confirm understanding
  - use of positive, confident and cooperative language
  - use of language and concepts appropriate to individual social and cultural differences
  - control of tone of voice
- Selected** may include:
- dominance and vigour
  - leader defects
  - straightness
  - lean
  - size
  - angle
  - number of branches
  - overall tree health
  - stocking
  - green crowns
  - spacing and quality requirements
- Pruned** is the process of removing branches, epicormics and green shoots to ensure quality requirements
- Disposing of** may include:
- recycling pruned material where appropriate
  - sending pruned material to landfill where it

## RANGE STATEMENT

cannot be recycled

- redirecting pruned material for energy recovery
- pruning outcomes and processes
- production and quality
- hazards
- incidents
- equipment malfunctions

**Records and reports** may include:

and may be:

- manual
- a computer-based system
- other appropriate organisational communication system

## Unit Sector(s)

Not Applicable

## Competency field

**Competency field**

Forest Growing and Management