



Australian Government

AHCARB201 Apply a range of treatments to trees

Release: 1

AHCARB201 Apply a range of treatments to trees

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to remedy common tree problems by applying treatments including alleviating tree stress and improving soil condition. Treating trees also requires consideration of the environmental implications of treatment methods, techniques and procedures.

This unit applies to individuals who undertake defined activities, work in a structured context, apply knowledge and skills to demonstrate autonomy and limited judgement, and provide solutions to a limited range of predictable problems. Work is implemented with low risk work procedures and to comply with Safe Work Method Statement documentation.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction. Specific determination should be sought through the relevant State or Territory. Works involving this unit of competency may be subject to local tree protection and preservation laws, and the relevant content of applicable Australian Standards.

Pre-requisite Unit

AHCCHM201 Apply chemicals under supervision

Unit Sector

Arboriculture (ARB)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to apply tree treatments	1.1 Locate trees on streets using maps 1.2 Recognise trees requiring treatment 1.3 Identify site hazards, assess risks and report to supervisor

Element	Performance criteria
	1.4 Confirm work zone with work crew and monitor site 1.5 Select and use personal protective equipment 1.6 Select, prepare, and carry out pre-operational and safety checks, on tools and equipment 1.7 Confirm first aid and emergency personnel, equipment and procedures 1.8 Communicate with work team during operations using voice, hand and whistle signals 1.9 Read packaging labels to maintain awareness of work hazards 1.10 Clean or sterilise tools and equipment to avoid disease transfer and biosecurity issues 1.11 Record and implement work health, safety, site, environmental and traffic control measures
2. Modify environment to maintain health and vigour of tree	2.1 Remove competing plants to ensure maintenance of adequate space, light, water and nutrient requirements of tree 2.2 Apply nutrient additives at specified rates and locations 2.3 Ameliorate soil structure in relation to aeration and drainage 2.4 Ameliorate soil condition with plant-based mulch application 2.5 Determine benefit and limits of decompaction methods
3. Apply chemical treatment	3.1 Calibrate application equipment 3.2 Apply treatment with due regard for environmental implications 3.3 Apply chemicals under supervision
4. Complete treatment operations	4.1 Maintain awareness of effect on environment of own work practices 4.2 Clean and store personal protective equipment 4.3 Clear and clean site 4.4 Report applications and treatments and update work records

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCARB201A Apply a range of treatments to trees.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCARB201 Apply a range of treatments to trees

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence for and demonstrate:

- locating trees on streets using maps
- recognising trees requiring treatment
- identifying site hazards, assessing risks and reporting to supervisor
- confirming work zone with work crew and monitoring site
- selecting and use personal protective equipment
- selecting, preparing, and carrying out pre-operational and safety checks, on tools, equipment and machinery
- confirming first aid personnel, equipment and procedures applicable to tree work
- communicating with work team during operations
- reading packaging labels to maintain awareness of work hazards
- cleaning or sterilising tools and equipment
- avoiding disease transfer and biosecurity issues
- recording and implementing work health, safety, site, environmental and traffic control measures
- removing competing plants to ensure maintenance of adequate space, light, water and nutrient requirements of tree
- applying nutrient additives at specified rates and locations
- amelioration of soil structure in relation to aeration and drainage
- amelioration of soil condition with plant-based mulch application
- determining benefit and limits of decompaction methods
- calibrating application equipment
- applying treatment with due regard for environmental implications
- applying chemicals under supervision
- maintaining awareness of effect on environment of own work practices
- cleaning and storing personal protective equipment

- clearing and cleaning sites
- awareness of work health and safety in the context of own work.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- methods of locating trees on streets and maps
- tree recognition
- methods of identifying site hazards, assessing risks and reporting to supervisors
- risk assessment systems
- confirmation of work zones
- how trees react to stress
- personal protective equipment
- pre-operational and safety checks, on tools, equipment and machinery
- first aid
- first aid personnel, equipment, and first aid plan procedures
- communication systems using voice, hand and whistle signals
- application of packaging instructions
- methods of cleaning and sterilising tools and equipment
- methods of disease transfer
- biosecurity principles and practices
- work health, safety, site, environmental and traffic control measures
- plant removal methods
- soil nutrition
- rates of nutrient application
- soil amelioration techniques
- soil structure, aeration and drainage
- mulch
- compaction and decompaction
- correct preparation prior to applying treatment to trees
- calibration techniques of application equipment
- chemical application techniques, usage restrictions and risk controls
- environmental implications of chemical use in own work practices.

Assessment Conditions

Assessment must be demonstrated consistently over time in a suitable range of contexts and have a productivity-based outcome. No single assessment event or report is sufficient to achieve competency in this unit.

Assessment may be conducted in a simulated or real work environment, however determination of competency requires the application of work practices under work conditions.

The mandatory equipment and materials used to gather evidence for assessment include:

- equipment:
 - spray application equipment
 - spill kit
 - measuring and weighing equipment
 - signage - chemical use
 - personal protective equipment (PPE)
 - first aid and emergency kit
 - traffic management kit
 - signage - work zone
 - trees
- materials:
 - tree recognition form
 - hazard identification and risk control form
 - equipment and PPE check form
 - emergency preparation form
 - work communications form
 - chemical and treatment application form
 - tree maintenance form
 - soil assessment form
 - work site operations form
 - work records form

Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.

Assessment must be conducted only by persons who have:

- arboriculture vocational competencies at least to the level being assessed
- current arboriculture industry skills directly relevant to the unit of competency being assessed

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