



Australian Government

AHCARB301 Implement a tree maintenance program

Release: 1

AHCARB301 Implement a tree maintenance program

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to implement a tree maintenance program. It also describes the skills and knowledge required to apply a range of tree maintenance techniques; and monitor and review the maintenance program over the course of a year.

The work requires application of extensive arboricultural knowledge and a broad range of arboricultural skills. This unit applies to individuals who have a range of skills to select and apply a specialised range of methods, tools, equipment and information to complete routine activities and provide and transmit solutions to predictable and sometimes unpredictable 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

AHCCHM303 Prepare and apply chemicals

AHCCHM304 Transport, handle and store chemicals

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.

Element	Performance criteria
1. Undertake site assessments and collect specimens	1.1 Determine location of above-and-below-ground services 1.2 Undertake a site-specific risk assessment by identifying work health and safety hazards and assessing risk 1.3 Perform site assessment to identify conditions which may impact upon the health of trees on site 1.4 Recognise stress inducing factors in accordance with characteristics of species 1.5 Recognise a wide range of common diseases, pests and nutritional deficiencies in trees 1.6 Recognise abiotic issues affecting health of trees 1.7 Collect specimens of stressed material for testing 1.8 Record and report results of site assessment and tests 1.9 Research health characteristics of tree species
2. Prepare treatment program	2.1 Access and read treatment program and confirm activities with management 2.2 Select appropriate treatment methods 2.3 Select, prepare, and carry out pre-operational and safety checks, on tools, equipment and machinery 2.4 Select and use personal protective equipment 2.5 Identify environmental implications of undertaking treatment program, assess likely outcomes and take appropriate action 2.6 Determine annual maintenance requirements for trees 2.7 Contribute to preparing a comprehensive full-year maintenance program 2.8 Record and implement work health, safety, site, environmental and traffic control measures
3. Undertake treatment program	3.1 Prepare and use treatment equipment 3.2 Apply physical or chemical treatments with due regard for environmental implications 3.3 Maintain growing environment in accordance with species needs 3.4 Monitor and review maintenance program over the course of a season of one year
4. Complete treatment program activities	4.1 Dispose of infected plant material and chemical waste appropriately 4.2 Sterilise equipment 4.3 Clean and store personal protective equipment 4.4 Follow up physical or chemical treatments to ensure effectiveness 4.5 Determine timetables for follow up treatments and communicate them to work team

Element	Performance criteria
	4.6 Maintain records and document the report for that year

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 AHCARB301A Implement a tree maintenance program

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 AHCARB301 Implement a tree maintenance program

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Performance Evidence

The candidate must be observed applying physical and chemical treatments to a range of trees in accordance with a full one-year treatment program. 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:

- determining location of above-and-below-ground services
- undertaking a site-specific risk assessment by identifying work health and safety hazards and assessing risk
- performing a site assessment to identify conditions which may impact upon the health of trees on site
- recognising stress inducing factors in accordance with characteristics of species
- recognising a wide range of common diseases, pests and nutritional deficiencies in trees
- assessing abiotic issues affecting health of trees, or impact on growth
- researching species characteristics on tree health
- collecting specimens of stressed material
- recording and report results of site assessment and tests
- accessing and read treatment program and confirm activities with management
- selecting, using and maintaining suitable personal protective equipment
- selecting appropriate treatment methods and equipment
- identifying environmental implications of undertaking treatment program,
- assessing likely outcomes of treatment programs and taking appropriate action
- determining annual maintenance requirements for trees
- contributing to preparation of a comprehensive full-year maintenance program
- recording and implementing work health, safety, site, environmental and traffic control measures
- preparing and using equipment
- applying physical or chemical treatments with due regard for environmental implications
- maintaining growing environment in accordance with species needs
- monitoring and reviewing maintenance program over season of one year

- disposing of infected plant material and chemical waste appropriately
- sterilising equipment
- following up physical or chemical treatments to ensure effectiveness
- determining timetables for follow up treatments and communicating to work team
- maintaining records and documenting a report for that year
- use of appropriate treatment methods and equipment
- communicating within the work team
- complying with relevant Australian Standards
- use of industry standard terminology to describe arboriculture and work environment
- applying work health and safety requirements in the context of own work.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- site-specific risk assessment methods
- treatments and treatment methods commonly used on trees
- comprehensive full-year maintenance programs
- recognition of a wide range of common diseases, pests and nutritional deficiencies in trees
- the abiotic issues that could affect the health of tree species
- methods of recording, storing and processing data
- how to interpret a treatment program
- the appropriate personal protective equipment
- methods of collecting and storing specimens for identification
- methods of testing collected specimens of stressed material
- worksite traffic control
- stress inducing factors for a variety of tree species
- methods for treating tree pests and diseases
- methods of analysing nutritional status of trees
- health characteristics of tree species.

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:
 - sprayers/application equipment
 - measuring and weighing equipment

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