



Australian Government

Assessment Requirements for AHCARB211 Apply treatments to trees

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

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 applied treatments to trees on at least one occasion according to work activity instructions for the following four situations:

- control weeds
- apply soil additives and ameliorants to the tree root system
- apply plant-based mulch
- implement soil de-compaction procedures using tools and equipment.

There must also be evidence that the individual has:

- confirmed target trees and treatments required with supervisor
- identified site hazards, assessed risks and confirmed controls with supervisor, including:
 - selected, checked and used personal protective equipment
 - confirmed availability of first aid equipment and emergency procedures
- selected, prepared, calibrated and conducted pre-operational checks on tools, equipment and machinery according to operational and biosecurity procedures
- identified and prepared chemical treatments according to manufacturer label instructions
- carried out cleaning and maintenance tasks on site and equipment, including disposal of unused materials and waste safely according to environmental procedures
- maintained records and reported according to workplace procedures.

All arboriculture work is required to be performed according to preferred industry practices (as outlined in the Companion Volume).

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:

- practices and procedures for treating trees, including:

- using maps for locating trees
- tree recognition
- site hazard and risk assessment for tree treatments, including:
 - methods for assessing risk
 - control strategies for managing risk attributed to treating trees
 - first aid personnel, equipment, emergency plans
 - personal protective equipment
- common tree disorders and treatments, including:
 - weed plants and competition for growing conditions
 - nutrient disorders and the role of fertilisers
 - soil conditions and effect on tree growth
 - pests and diseases
- basic control strategies for tree disorders, including:
 - fertiliser application methods
 - ameliorants and effect on pH, soil compaction and condition
 - mulch, moisture retention and nutrient tie down
 - managing the growing environment
 - chemical treatments
 - biological treatments
 - integrated pest control
 - methods of weed control
- tools, equipment and machinery used in the treatment of trees, including:
 - soil de-compaction equipment
 - chemical sprayers and applicators
 - tree injection systems
 - fertiliser and ameliorant spreaders and applicators
- pre-operational and safety checks on tools, equipment and machinery
- chemicals and chemical applications, including:
 - interpretation and use of chemical label instructions
 - material safety data sheets
 - measurements and calculations for weighing and mixing chemicals
 - rates of application
 - dealing with chemical spills
- methods of cleaning and sanitising tools and equipment, including:
 - methods of disease transfer
 - biosecurity principles and hygiene practices
 - calibration techniques of application equipment
 - chemical application techniques, usage restrictions and risk controls
- environmental implications of tree treatments
- waste disposal, including:

- environmental protection
- biosecurity and hygiene practices
- records and record keeping requirements of tree treatments, including legislative and regulatory requirements.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - living trees requiring treatments or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tree treatment equipment, including sprayers
 - measuring and weighing equipment
 - chemical spill kit
 - personal protective equipment
 - safety signage
- specifications:
 - workplace and manufacturer instructions for tree treatment equipment
 - procedures for application of treatments to trees
 - materials safety data sheets
 - product labels, including chemicals.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. In particular, assessors must have:

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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