

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHCARB201	Apply treatments to trees
Application	<p>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, application of fertilisers and soil amelioration in consideration of the environmental implications of treatment methods, techniques and procedures.</p> <p>The unit applies to individuals working in a broad range of job contexts who undertake defined routine activities under supervision. They exercise limited autonomy within established and well known parameters, providing solutions to a limited range of predictable problems.</p> <p>Legislation, regulations and by-laws relating to the treatment and removal of trees apply nationally and in some states, territories and jurisdictions.</p>
Prerequisite Unit	Nil
Unit Sector	Arboriculture (ARB)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1.Prepare to apply tree treatments	1.1 Confirm trees to be treated and work activity instructions with supervisor 1.2 Identify hazards, assess risks and confirm controls with supervisor 1.3 Select, check and use personal protective equipment 1.4 Select, prepare, and carry out pre-operational and safety checks, on tools and equipment 1.5 Confirm availability of first aid and emergency personnel, equipment and procedures 1.6 Select and prepare treatment tools and equipment according to workplace and biosecurity procedures
2.Modify environment to maintain health and vigour of tree	2.1 Implement weed control measures to remove competing plants according to treatment instructions 2.2 Apply soil additives according to soil condition and treatment instructions 2.3 Apply plant-based mulch according to treatment instructions 2.4 Use tools and equipment for de-compaction of soil according to supervisor and equipment manufacturer instructions
3.Apply chemical treatment	3.1 Identify chemical treatments required from supervisors instructions 3.2 Select, prepare and calibrate application equipment 3.3 Prepare chemical treatments according to manufacturer label and workplace safety procedures 3.4 Apply chemical treatment according to workplace procedures
4.Complete treatment operations	4.1 Clean site, collect and store unused materials and dispose of waste according to workplace and environmental procedures 4.2 Clean, maintain and store equipment and machinery according to workplace and biosecurity procedures 4.3 Record and report treatment outcomes according to workplace procedures

Commented [RB1]: Will these people complete a JSA as has been recommended for Cert 3?

AHCARB201 Apply treatments to trees

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
	•
	•
	•

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB201 Apply treatments to trees	AHCARB201 Apply a range of treatments to trees	Title change to remove unnecessary wording.	Equivalent unit

Links	
	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72

TITLE	Assessment requirements for AHCARB201 Apply treatments to trees
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has</p> <ul style="list-style-type: none"> • confirmed target trees and treatments required with supervisor • identified site hazards, assessed risks and confirmed controls with supervisor including: <ul style="list-style-type: none"> • selected, checked and used personal protective equipment • confirmed availability of first aid equipment and emergency procedures • selected, prepared, and conducted pre-operational checks on tools, equipment and machinery • prepared tools and equipment according to biosecurity procedures • implemented and applied treatments according to instructions including: <ul style="list-style-type: none"> • controlled weeds • applied soil additives and ameliorants • applied mulch • implemented soil de-compaction procedures using tools and equipment • identified chemical treatments • selected, prepared and calibrated application equipment • prepared chemicals according to manufacturer label instructions • applied chemicals according to workplace procedures • cleaned site and disposed of unused materials and waste safely according to environmental procedures • cleaned, maintained and stored equipment, tools and machinery • maintained records and reported according to workplace procedures. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • practices and procedures for treating trees including: <ul style="list-style-type: none"> • using maps for locating trees • tree recognition • methods of identifying site hazards, assessing risks and implementing controls including: <ul style="list-style-type: none"> • methods for assessing risk • control strategies for managing risk attributed to treating trees • first aid personnel, equipment, emergency plans • personal protective equipment • common trees disorders and treatments to rectify including: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • soil de-compaction equipment • chemical sprayers and applicators • tree injection systems 	

Knowledge Evidence

- 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
 - safety data sheets (SDS)
 - measurements and calculations
 - 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 skills must take place under the following conditions:

- physical conditions:
 - access to trees growing requiring treatments or environment that accurately represents workplace conditions
- resources, equipment and materials:
 - sprayers/application equipment
 - measuring and weighing equipment
 - chemical spill kit
 - personal protective equipment (PPE)
 - safety signage
- specifications:
 - workplace and manufacturer instructions for safe operation, cleaning and storing and treatment of equipment
 - procedures for application of treatments
 - materials safety data sheets
 - chemical and product labels.

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

In addition, the following specific assessor requirements apply to this unit:

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