



Australian Government

AHCARB214 Recognise trees

Release: 1

AHCARB214 Recognise trees

Modification History

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

Application

This unit of competency describes the skills and knowledge required to recognise trees and their environmental and social benefits.

The unit applies to individuals working in a broad range of arboriculture 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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Arboriculture (ARB)

Elements and Performance Criteria

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. Examine tree features	1.1 Confirm the location and range of trees to be recognised with supervisor 1.2 Examine and record the morphological characteristics of tree specimens 1.3 Examine and record the tactile and sensory characteristics of tree specimens

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Examine tree condition	2.1 Examine tree for general condition of health and vigour 2.2 Record condition of tree health, noting signs and symptoms of tree disorders, and report to supervisor according to workplace procedures
3. Recognise tree	3.1 Use reference material to compare plant specimen characteristics to assist in tree recognition 3.2 Recognise tree by common name and botanical name 3.3 Confirm accuracy of tree recognition with work team
4. Recognise tree benefits	4.1 Examine tree for ecological habitat for localised biota 4.2 Recognise localised ecological and environmental benefits provided by tree 4.3 Recognise social benefits and value of tree
5. Report on results	5.1 Record key features observed in the process of tree recognition 5.2 Inform client of tree recognition process according to workplace procedures

Foundation Skills

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.

Skill	Description
Reading	Interpret textual information from reference materials to identify relevant characteristics for the recognising and basic classification of trees
Writing	Document outcomes of trees and their characteristics according to basic nomenclature for tree identification
Navigates the world of work	Follow international standards for plant classification and nomenclature

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB214 Recognise trees	AHCARB208 Recognise trees	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent

Links

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

Assessment Requirements for AHCARB214 Recognise trees

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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 recognised at least a minimum of 35 different trees local to the region, and has:

- confirmed the location and range of trees to recognise with supervisor
- examined and recorded the characteristics of tree, including:
 - form, structures and local environment of tree
 - shape, colour and size of leaves
 - features of buds, branches and bark
 - flower type, colour and shape
 - features of fruit
 - tactile and sensory characteristics
 - general condition of health and vigour and signs and symptoms of tree disorders
 - ecological habitat for local biota
- used reference materials to assist tree recognition to common name and botanical name and confirmed with work team
- recognised ecological, environmental and social benefits provided by tree
- informed client of tree recognition outcomes.

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:

- methods of recognising trees
- botanical features of trees and their morphological and sensory characteristics, including:
 - form, structures and local environment of tree
 - shape, colour and size of leaves
 - features of buds, branches and bark
 - flower type, colour and shape

- features of fruit if present
- use of sensory methods in tree recognition
- general health and condition of trees and their indicative features for recognising tree species, including:
 - signs and symptoms of diseases
 - presence or absence of pests
 - other indicative disorders that assist in recognition of trees
- methods of collecting and recording information and data relevant to tree recognition
- methods of collecting and using botanical samples for tree recognition, including:
 - photographs and images
 - fresh or dried botanical specimens
- reference materials used in the identification of tree species, including:
 - field guides
 - photographs that assist in tree recognition
- basics of plant taxonomy, including:
 - common names
 - botanical name
- trees and their social and environmental benefits, including:
 - habitat
 - aesthetic
 - functional use
 - food
- workplace procedures and processes for communicating results to client.

Assessment Conditions

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

- physical conditions:
 - 35 different trees stipulated in the performance evidence
- resources, equipment and materials:
 - live tree specimens
 - specialist tools and equipment necessary for tree observations
 - botanical reference materials, tree databases
 - camera or image capture device
- specifications:
 - workplace procedures and processes for recording tree data and preparing reports
 - workplace instructions
- relationships:
 - client and supervisor.

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.

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