



**Australian Government**

# **AHCCFP405 Increase carbon using vegetation and/or agricultural methods**

**Release: 1**

# AHCCFP405 Increase carbon using vegetation and/or agricultural methods

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to identify the benefits of increasing carbon in the biosphere, using vegetation and agricultural methods, and to implement a project to reduce emissions or store carbon.

This unit does not cover increasing carbon in soil (refer to AHCCFP401 Increase soil organic carbon using land management practices).

The unit applies to individuals who participate in farming and/or land management activities. It may lead to participation in an approved carbon farming project to generate carbon credits.

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

## Pre-requisite Unit

Nil

## Unit Sector

Carbon Farming (CFP)

## 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. Identify benefits of increasing carbon	1.1 Identify the role, and forms, of carbon in the environment 1.2 Analyse the benefits of increasing carbon 1.3 Analyse the benefits of reducing greenhouse emissions 1.4 Determine vegetation and/or agricultural practices that increase

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	carbon or reduce greenhouse emissions 1.5 Consider the associated social and cultural, environmental and economic benefits of increasing carbon
2. Identify co-benefits of increasing carbon in the biosphere	2.1 Identify land management practices to increase carbon using vegetation and agricultural methods 2.2 Consider the social and cultural, environmental and economic benefits of increasing carbon in the biosphere
3. Plan project to increase carbon	3.1 Identify appropriate site/s for project methodology 3.2 Choose strategy or method to increase carbon or reduce emissions 3.3 Identify equipment and resources required 3.4 Identify risks associated with undertaking the project 3.5 Carry out cost-benefit analysis of implementing the project 3.6 Plan strategy to measure or model carbon and record results
4. Implement and monitor project	4.1 Measure carbon as baseline for project and document 4.2 Implement project in line with selected method 4.3 Monitor project to maintain carbon storage or reduced emissions through changing conditions and document

## 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret written material focused on vegetation and/or agricultural carbon farming methods</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Measure or model carbon specific to chosen method</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCFP405 Increase carbon using vegetation and/or agricultural methods	Not applicable	New unit	No equivalent unit

## Links

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