



Australian Government

AHCCFP301 Identify the effects of climate change as a factor in land management

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 4.0.

Application

This unit of competency describes the skills and knowledge required to identify climate change as a factor in land management. It incorporates knowledge of climate, climate change and the impacts of a range of land management practices on the production of greenhouse gases.

The unit applies to individuals who participate in land management activities, who require knowledge and skills to make decisions around activities that reduce greenhouse gas emissions.

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 the climate system and climate change as they relate to land management	1.1 Identify the components of the climate system 1.2 Identify the role of the main greenhouse gases in the climate system 1.3 Identify and describe the natural factors that contribute to climate

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	change 1.4 Identify and describe the factors that contribute to human-induced climate change 1.5 Identify the potential impacts of climate change on local natural and agricultural environments
2. Identify the roles of vegetation, animals and carbon in greenhouse gas production	2.1 Research the role of land, vegetation and animal management in greenhouse gas production 2.2 Identify carbon cycle processes in relation to own work role 2.3 Identify the forms of carbon in the carbon cycle and where they are stored 2.4 Research the role of vegetation and soil carbon in the mitigation of carbon dioxide levels in the atmosphere
3. Identify and contribute to land management practices that reduce greenhouse gas emissions	3.1 Identify and contribute to land management practices to reduce methane production 3.2 Identify and contribute to land management practices to reduce nitrous oxide production 3.3 Identify and contribute to land management practices to reduce carbon dioxide production

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	Engages with material focused on climate, climate change, greenhouse gas mitigation and land management techniques

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

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ACMCFP301 Identify the effects of climate change as a factor in land management	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>