



**Australian Government**

# **AHCAGB517 Develop and manage a plan for sustainable production**

**Release: 1**

# AHCAGB517 Develop and manage a plan for sustainable production

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to develop a farm plan for a rural enterprise to reflect sustainable production principles that may include regenerative, organic, biodynamic or biological farming principles.

This unit applies to those who have a role in managing a farm and the management system to reflect a new philosophy, utilising sustainable principles.

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

## Pre-requisite Unit

Nil

## Unit Sector

Agribusiness (AGB)

## 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. Develop goals and objectives to improve biodiversity, recycling and sustainability	1.1 Establish long-term direction and purpose of the business by identifying and analysing the values, expectations and personal goals of the people involved 1.2 Identify business and personal strengths, weaknesses, opportunities and threats and strategies to address them 1.3 Investigate sources of information and support for improved

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	practices 1.4 Estimate timelines for, and costs for improved practices
2. Audit the existing and natural resources on the property	2.1 Draw a property map to include land classes using classification terminology, fences and water systems, natural property features and infrastructure 2.2 Conduct a risk assessment of previous land use and an inventory of chemicals applied or evidence of application on the site 2.3 Identify areas at risk of soil degradation and develop strategies to protect the area 2.4 Develop and implement strategies to improve the health and the regeneration of remnant vegetation to support a diversity of living systems 2.5 Assess potential problem pests and weeds and use strategies to implement an eradication program
3. Develop and implement grazing and cropping strategies to improve sustainable outcomes	3.1 Use soil test results to make recommendations for soil improvement with appropriate organic fertilisers and soil conditioners to ensure a mineral-balanced and healthy soil 3.2 Develop and implement an annual grazing program and strategies to optimise pasture growth and animal production 3.3 Develop and implement a strategy for the recycling of farm waste and effluent 3.4 Assess soil biological activity and apply suitable preparations and grazing strategies to improve the soil biota and soil organic matter 3.5 Identify suitability of mulching and composting systems 3.6 Design and implement a plan using crop rotations to optimise soil fertility 3.7 Research the principles and application of biodynamic preparations
4. Manage livestock health and welfare for improved, sustainable production	4.1 Plan strategies to preserve livestock health including allowable treatments and grazing management in the short term and genetic improvement in the long term 4.2 Maintain livestock records to identify treated animals, including a record of all treatments including homeopathic remedies 4.3 Sustain the animal enterprise with pasture and suitable fodder and

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	maintain consumption records to meet certification protocols
5. Manage customer feedback and satisfaction	5.1 Develop procedures to obtain, analyse and respond to customer feedback on farm product quality and integrity 5.2 Implement procedures manage customer feedback and satisfaction with sustainable product quality and integrity

## 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>
Learning	<ul style="list-style-type: none"> <li>Investigate sustainable principles for production</li> </ul>
Reading	<ul style="list-style-type: none"> <li>Access and interpret information about sustainable farming practices</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Carry out calculations to determine carbon footprint of production</li> </ul>

## Unit Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCAGB517 Develop and manage a plan for sustainable production	AHCAGB511 Develop and manage a plan for sustainable production reflecting sustainable production principles	Title updated Performance criteria clarified Foundation skills added Assessment requirements updated	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>