



**Australian Government**

# **AHCAGB511 Develop and manage a plan for sustainable production reflecting sustainable production principles**

**Release: 1**

## AHCAGB511 Develop and manage a plan for sustainable production reflecting sustainable production principles

### Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 1       | AHCv1.0    | Initial release |

### Application

This unit of competency covers the process of developing a farm plan for a rural enterprise to reflect organic, biodynamic and biological farming principles. It requires the ability to determine the philosophy of the farm business. An audit of the farm and the resources will be undertaken to assess the current status of the property. A management plan is developed to ensure sustainability of the farm business and the natural areas on the property. The plan is to convert the property and the management system to reflect the philosophy and the orderly transition to the new short term and long-term goals. It is also to manage the production system including crops, pasture and livestock within the organic, biodynamic and biological farming system. Records will be kept to maintain the integrity and quality of the product and meet legal requirements for accreditation.

All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.

This unit is applicable to a person who has a role in managing a farm. This unit is likely to require consultation with certification bodies, auditors and producers with similar philosophies.

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

| Element               | Performance criteria                                                |
|-----------------------|---------------------------------------------------------------------|
| Elements describe the | Performance criteria describe the performance needed to demonstrate |

| Element                                                                                                                                                     | Performance criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| essential outcomes.                                                                                                                                         | achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. Develop goals and objectives for an organic, biodynamic or biological enterprise                                                                         | <p>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</p> <p>1.2 Identify business and personal strengths, weaknesses, opportunities and threats and strategies to address them</p> <p>1.3 Investigate sources of information and support for conversion and plan the property conversion over a period of time including time lines and conversion costs</p>                                                                                                                                                                                                                                                                                                    |
| 2. Audit the existing and natural resources on the property                                                                                                 | <p>2.1 Draw a property map to include land classes using classification terminology, fences and water systems, natural property features and infrastructure</p> <p>2.2 Conduct a risk assessment of previous land use and an inventory of chemicals applied or evidence of application on the site</p> <p>2.3 Identify areas at risk of soil degradation and develop strategies to protect the area</p> <p>2.4 Develop and implement strategies to improve the health and the regeneration of remnant vegetation to support a diversity of living systems</p> <p>2.5 Assess potential problem pests and weeds and use strategies to implement an eradication program, within the guidelines of the certification body</p>                                                   |
| 3. Develop and implement grazing and cropping strategies to improve biodiversity, recycling and sustainability in an organic, biodynamic or biological farm | <p>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</p> <p>3.2 Develop and implement an annual grazing program and strategies to optimize pasture growth and animal production</p> <p>3.3 Develop and implement a strategy for the recycling of farm waste and effluent</p> <p>3.4 Assess soil biological activity and apply suitable preparations and grazing strategies to improve the soil biota</p> <p>3.5 Identify appropriate mulching and composting systems</p> <p>3.6 Design and implement a plan using crop rotations to optimise soil fertility</p> <p>3.7 Research the principles and application of biodynamic preparations</p> |
| 4. Manage animal health and welfare for organic, biodynamic or biological production                                                                        | <p>4.1 Plan strategies to preserve animal health including allowable treatments and grazing management in the short term and genetic improvement in the long term</p> <p>4.2 Maintain livestock records to identify treated animals, including a record of all treatments including homeopathic remedies</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Element                                                                                                          | Performance criteria                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                  | 4.3 Sustain the animal enterprise with pasture and suitable fodder and maintain consumption records to meet certification protocols                                                                                           |
| 5 Manage customer feedback and satisfaction with organic, biodynamic or biological product quality and integrity | 5.1 Develop and implement procedures to obtain, analyse and respond to customer feedback on farm product quality and integrity<br>5.2 Identify legal requirements to maintain organic, biodynamic or biological certification |

## Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

## Unit Mapping Information

New unit - equivalent to VBP155 Develop and manage a plan for sustainable production reflecting organic, biodynamic and biological farming principles.

## Links

Companion Volume implementation guides are found in VETNet -

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