



Australian Government

AHCORG512 Develop and monitor a sustainable production plan

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 9.0.

Application

This unit of competency describes the skills and knowledge required to investigate sustainability goals, determine production system to achieve goals, and develop and monitor a sustainable production plan for an organic or agroecological farming system.

The unit applies to individuals who apply specialised skills and knowledge, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

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

Pre-requisite Unit

Nil

Unit Sector

Organic Production (ORG)

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 goals for sustainable production plan	1.1 Determine goals of production plan for farm 1.2 Identify and document physical, biological, social and financial resources of farm 1.3 Identify and analyse values, expectations and goals of stakeholders 1.4 Identify and document sustainability goals from industry data and

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	organisational records
2. Research and evaluate available sustainable production systems	2.1 Research potential farming models and evaluate against identified goals and resources 2.2 Research and evaluate applicable sustainable production systems for farm 2.3 Identify a production system that complies with sustainability and farm management goals 2.4 Compare elements of production system with existing farm processes and resources 2.5 Assess system against farm goals and sustainability principles, and document findings
3. Develop a sustainable production plan	3.1 Specify modifications to existing farm processes and resources for chosen production system 3.2 Identify and document optimal production targets 3.3 Identify inputs and system design elements required to achieve the production targets 3.4 Establish risk management strategies 3.5 Identify record-keeping requirements 3.6 Develop and document a sustainable production plan for selected enterprises and production systems
4. Monitor and evaluate effectiveness of the sustainable production systems	4.1 Establish farm system monitoring procedures and performance indicators 4.2 Monitor performance indicators against production and sustainability targets 4.3 Evaluate production and sustainability data against sustainable production plan goals 4.4 Modify production system to resolve differences between planned and actual production targets 4.5 Identify, monitor and assess environmental impact of farm production process 4.6 Identify health and safety hazards, assess risk and implement controls for farm production
5. Record and manage	5.1 Create and maintain records according to production plan, health

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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>
information and data	and safety, and equipment programs 5.2 Maintain record-keeping systems and data to enterprise and industry standards 5.3 Prepare and assess recommendations for future sustainable production plans 5.4 Document revised plans and record changes in organic management plan (OMP) 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	Source, organise, and evaluate information on sustainable production from a wide range of complex texts
Writing	Demonstrate sophisticated writing skills by selecting appropriate conventions and stylistic devices to express meaning in plans, processes and record-keeping systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCORG512 Develop and monitor a sustainable production plan	AHCORG505 Develop and monitor a sustainable production plan	Minor changes to Application, Elements and Performance Criteria for clarity and brevity Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Foundation Skills added	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 AHCORG512 Develop and monitor a sustainable production plan

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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, on at least one occasion, developed and monitored a sustainable production system for a farm and has:

- identified personal and enterprise goals
- identified and documented physical, biological, social and financial resources
- researched and evaluated sustainable production systems
- developed a sustainable production plan consistent with land capacity and production system design
- monitored and evaluated effectiveness of sustainable production system
- reviewed and modified the production system
- designed, updated and managed farm record-keeping system.

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:

- federal, state or territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes in developing and monitoring a sustainable production plan
- importance of stakeholders and their engagement for developing a sustainable enterprise, including:
 - farm owners and partners
 - farm workers
 - contractors
 - suppliers
 - customers
- legislation and regulations, including:

- health and safety
- contractor engagement
- animal health and welfare
- chemical use and application
- vehicle and plant use
- soil and water degradation
- environmental protection requirements and codes of practice, including:
 - safe disposal of products
 - waste management
 - biosecurity
- organisational policies and procedures, standards and site requirements for risk management and hazard identification
- sustainable land use principles and practices applicable in the region
- farm planning processes.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated for a farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - research tools and references
- specifications:
 - workplace policies, procedures, processes
 - farm produce specifications
 - specific legislation and industry codes of practice
- relationships:
 - stakeholders.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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