



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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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	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>