



Australian Government

Department of Education, Employment and Workplace Relations

AHCORG505A Develop and monitor a sustainable production plan

Release 1

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Modification History

Release	TP Version	Comments
1	AHC10v4	Initial release

Unit Descriptor

This Unit of Competency defines the standard required to: identify personal and enterprise goals; identify and document physical, biological, social and financial resources under management; research and evaluate available sustainable production systems; and develop a sustainable production plan and monitor the plan.

Application of the Unit

Developing and monitoring a sustainable production plan is likely to be undertaken alone with input from stakeholders in the business. Responsibility for the planning and management of the work of others may be involved.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Nil.

Employability Skills Information

This Unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify personal and enterprise goals	1.1 Identify and record personal goals. 1.2 Identify and document physical, biological, social and financial resources under management. 1.3 Identify and analyse the values, expectations and personal goals of customers, stakeholders and employees. 1.4 Identify and document sustainability goals using current and historical industry data and organisational records.
2. Research and evaluate available sustainable production systems	2.1 Identify and document potential enterprises and evaluate against identified goals and resources. 2.2 Research and evaluate applicable sustainable production systems information from a range of sources for identified enterprises. 2.3 Identify and document a selected production system that meets sustainability and enterprise management goals. 2.4 Compare the selected system with those systems and production processes that currently exist on the farm. 2.5 Test the selected system against enterprise goals and sustainability principles and record the findings.
3. Develop a sustainable production plan	3.1 Document required modifications to existing farm system processes and infrastructure for the chosen enterprises and production systems. 3.2 Identify and document production targets . 3.3 Identify inputs 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 the selected enterprises and production systems.
4. Monitor/evaluate effectiveness of the sustainable production systems	4.1 Establish farm system monitoring procedures and performance indicators. 4.2 Monitor performance indicators and against production and sustainability targets . 4.3 Evaluate production and sustainability data against the sustainable production plan goals. 4.4 Modify the enterprise mix and/or production system where differences between the sustainable production plan and actual results are identified. 4.5 Identify, monitor and assess environmental impacts and OHS hazards relating to the production processes throughout the production cycle.
5. Record and manage information and data	5.1 Create and maintain records and documents in line with the production plan, the OHS requirements, and machinery and equipment management programs. 5.2 Maintain recordkeeping systems and data to enterprise and

ELEMENT	PERFORMANCE CRITERIA
	industry standards. 5.3 Recommendations for future sustainable production plans are prepared. 5.4 Document revised plans.

Required Skills and Knowledge

This section describes the skills and knowledge required for this Unit.

Required skills include:

Ability to:

- document personal and business goals
- identify values and expectations of stakeholders
- research available production systems
- set enterprise sustainability objectives and evaluate the researched production systems against the objectives
- develop production and sustainability plans
- monitor actual production and sustainability outcomes against the documented plan
- use literacy skills to interpret, analyse and extract information from a range sources such as professional literature, legal documents, discussions and workshops and to prepare written plans and procedures for implementation by others
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities
- use numeracy skills to estimate, calculate and record complex workplace measures and to prepare enterprise budgets and calculate financial returns.

Required knowledge includes:

Knowledge of:

- applicable 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
- relevant legislation and regulations relating to OHS, contractor engagement, animal health and welfare, chemical use and application, vehicle and plant use and soil and water degradation issues
- environmental protection requirements and codes of practice, including the safe disposal of products and waste material, available to the organisation
- 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.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	A person who demonstrates competency in this Unit must be able to provide evidence that they can develop and monitor a sustainable production plan.
Critical aspects for assessment and evidence required to demonstrate competency in this Unit	The evidence required to demonstrate competency in this Unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • identify personal and enterprise goals • identify and document physical, biological, social and financial resources under management • research and evaluate sustainable production systems and select and document a production system that meets sustainability and enterprise management goals • develop a sustainable production plan • monitor and evaluate effectiveness of the sustainable production system • modify the enterprise mix and/or production system where differences between the sustainable production plan and actual results are identified • record and manage farm system information and data.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.
Method of assessment	• Assessment methods must satisfy the endorsed Assessment Guidelines of the AHC10 Training Package and can be assessed holistically with other Units. • Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of required knowledge. • Assessment must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of

	employability skills. • Assessment methods must confirm the ability to access, interpret and apply the required knowledge. • Assessment may be applied under project-related conditions (real or simulated) and require evidence of process. • Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances. • Assessment may be in conjunction with assessment of other Units of Competency. • The assessment environment should not disadvantage the candidate. • Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English. • Where the participant has a disability, reasonable adjustment may be applied during assessment. • Language and literacy demands of the assessment task should not be higher than those of the work role.
Guidance information for assessment	To ensure consistency of performance, competency should be demonstrated on more than one occasion over a period of time in order to cover a variety of circumstances, cases and responsibilities, and where possible, over a number of assessment activities.

Range Statement

The range statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Production systems</i> may include:	The full range of livestock, production horticulture and cropping systems including, but not limited to: • extensive livestock production • intensive livestock systems • broadacre cropping using traditional, reduced cultivation, minimum till, no till, pasture cropping and no kill cropping methods • production horticulture fruit and vegetable systems • organic farming techniques • biodynamic • permaculture • agro-ecology.
<i>Production targets</i> may be measured against:	• sustainability targets • production inputs • labour inputs • resource use.
<i>Sustainability targets</i> may include:	• resource use • biodiversity outcomes • waste and pollution production • water quality outcomes • social engagement.

Unit Sector(s)

Organic Production