

**Modification history**

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

AHCAGB503XX	Plan and monitor production processes
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to plan and monitor production processes, including identifying the production processes required to achieve targets; establishing production targets for each enterprise and each product, crop, herd or flock; and monitoring and evaluating production processes.</p> <p>This unit applies to individuals who work in agribusiness management roles where they take personal responsibility and exercise autonomy in undertaking complex work. They analyse information and exercise judgement to complete a range of advanced skilled activities.</p> <p>All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Agribusiness (AGB)

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. Determine production process requirements	1.1 Access information about the products being grown or manufactured and the market 1.2 Confirm characteristics of the land under production and the quality of associated infrastructure 1.3 Analyse recent and historical data from organisational records for input to production planning 1.4 Identify potential for improvements or innovations to inform production planning 1.5 Identify production processes required to achieve the targeted production and compare with those that currently exist 1.6 Ensure production planning information is fed into other organisational planning processes
2. Plan production and monitoring systems	2.1 Establish targets for the enterprise, for each product, crop, herd or flock using information from organisational management and strategic plans 2.2 Schedule production processes taking organisational factors into consideration 2.3 Establish waste management controls to minimise waste and dispose of waste sustainably 2.4 Establish monitoring points and performance indicators using target, environmental management and scheduling information 2.5 Establish appropriate biosecurity and quality assurance requirements 2.6 Establish risk management strategies to control hazards 2.7 Document the production plan, including targets and monitoring requirements

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Monitor and evaluate the effectiveness of production processes	3.1 Ensure that performance indicators, targets and specifications are met and amendments to the process are made where necessary 3.2 Evaluate the effectiveness of the production processes at key points and make adjustments as necessary 3.3 Monitor and assess environmental impacts and workplace health and safety hazards throughout the production cycle 3.4 Modify the production process by shifting priorities and results when necessary 3.5 Analyse data, observations and documentation from the production process against the plan
4. Record and manage information	4.1 Prepare recommendations for future plans based on the analysis of production data 4.2 Prepare a report that documents the plan's implementation 4.3 Maintain records and documentation as described in the production plan 4.4 Ensure that required information is available, accessible, meaningful and useful

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret, analyse and extract information from a range sources such as professional literature, legal documents, policies and procedures</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Set yield targets and objectives and estimate timelines</li> <li>Estimate, calculate and record complex workplace measures</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCAGB503XX Plan and monitor production processes	AHCAGB503 Plan and monitor production processes	Performance criteria clarified. Foundation skills added. Assessment requirements updated.	Equivalent unit

<b>Links</b>
Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>

<b>TITLE</b>	<b>Assessment requirements for AHCAGB503XX Plan and monitor production processes</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has planned and monitored at least one production process, including:</p> <ul style="list-style-type: none"> <li>• identified production processes required to achieve targeted production</li> <li>• established production targets for each product, crop, herd, or flock</li> <li>• scheduled production processes with monitoring points and performance indicators</li> <li>• documented the production plan</li> <li>• evaluated production processes and made modifications where required</li> <li>• created and maintained records as described in the production plan.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• environmental controls and codes of practice relevant to the production process</li> <li>• management practices to minimise noise, odours, waste, erosion, relevant to production process</li> <li>• sustainable land use principles and practices applicable in the region</li> <li>• production planning processes</li> <li>• biosecurity and quality assurance requirements for product</li> <li>• legislation and regulations relevant to product.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• skills must be demonstrated in an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• production equipment relevant to process.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a></p>