

AHCAGB501~~XX~~ Develop climate risk management strategies

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 14.0 .

AHCAGB501 XX	Develop climate risk management strategies
Application	<p>This unit of competency describes the skills and knowledge required to develop climate risk management strategies for an agricultural, horticultural or land management enterprise. analyse and interpret animal, crop and horticultural production data.</p> <p>All work must be carried out to comply with workplace procedures, work health and safety legislation and codes.</p> <p>This unit applies to individuals who take responsibility for their own work. They undertake a range of routine and non-routine activities and work in known and changing contexts.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	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. Survey. Review climate and enterprise data	1.1 Obtain and interpret historical climate data from a range of sources 1.2 Identify weather and climate risk factors 1.3 Collect information on normal and significant climate events and their impact on natural and rural systems 1.4 Detail current and historical property and enterprise production 1.5 Review short and long term enterprise goals to ensure they fit within climatic constraints 1.6 Source, present and update climate and enterprise data according to enterprise requirements
2. Climate risks and opportunities are identified. Identify and analyse climate risks and opportunities	2.1 Analyse forecasted changes of seasonal climate 2.2 Identify climate risks and opportunities <u>for the site</u> 2.3 Determine impact on production of different weather and climate risk factors according to enterprise requirements 2.4 <u>Use Identify and develop qualitative and quantitative risk techniques to analyse risks and opportunities and opportunity factors</u> 2.5 Evaluate importance of climate variability and significant climate events 2.6 Outline tactics to address a range of different climate variability risks and opportunities 2.7 Identify contingency options for enterprises and the business

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Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Prepare climate risk management strategies	3.1 Analyse climate variability and seasonal climate forecasts 3.2 Predict the impact of climate variability on the environment, property value and equity 3.3 Ensure business strategies address major climate risk factors 3.4 Address insurance and other options in Ensure business strategies include consideration of insurance to cover loss in the event of significant or unusual climate activity 3.3 Address major climate risk factors in business strategies 3.4-5 Prepare financial outcomes forecasts for all strategies according to enterprise guidelines 3.5 Predict impacts on the environment, property value and equity for the preferred strategies 3.6 Review preferred production, enterprise or alternative strategies and select options according to appropriate for the enterprise requirements 3.7 Document and P resent a-planned strategy-strategies to cope manage risks associated with with variable climate, to -climate and climate risk managementstakeholders

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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
<u>Numeracy</u>	<ul style="list-style-type: none"> Analyse trends in historical data to predict future trends
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	▲

Range Of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB501 XX Develop climate risk management strategies	AHCAGB501_A Develop climate risk management strategies	<u>Performance criteria clarified. Foundation skills added. Assessment requirements updated.</u>	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCAGB501 XX Develop climate risk management strategies
Performance Evidence	
<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 developed climate risk management strategies for at least one site or property, including the candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.</p> <p>The candidate must provide evidence that they can:</p> <ul style="list-style-type: none"> • researched, analysed and interpreted climate and enterprise site data • recognised climate risks and opportunities presented for the business • presented strategies to manage risks associated with variable climate. • prepare risk management strategies • integrate climate risk with opportunities and management strategies at a business management level • implement enterprise sustainability policies. 	
Knowledge Evidence	
<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> <p>The candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none"> • current forecasting techniques and phenomena, such as El Niño Niño, El Niño Southern Oscillation (ENSO) ENSO, Southern Oscillation Index (SOI) and Pacific and Indian Ocean SST patterns • types and sources of data used to record weather patterns • impact of weather and climate on business activities • causes of general patterns of weather and climate over Australia • climate variability and climate change for local region • direct and indirect impacts of climate variability on land management and sustainability • property and enterprise management decisions affected by the variable climate • recognition of climate risks and opportunities • seasonal climate forecasting systems and related indicators • natural disaster planning for site • a definition of risk management, including the identification, assessment, and prioritisation of risks followed by coordinated and economical application of resources to minimise, monitor and control the probability and/or impact of events climate and weather issues pertaining to sustainable agriculture • potential impacts of greenhouse warming on land and natural resource management • strategic options and planning in response to climate variability for a range of seasons (normal, drier or wetter than normal), and other risks and opportunities • calculating how to calculate financial returns for different strategic options • computer applications and Internet to access, record, and analyse and model data • principles of for decision-making, based on the variable climate and seasonal climate forecasts. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • computer-based technology and software used to research information relevant to climate • climate data from a number of sources. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	

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Assessment Conditions
Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.
Assessors must satisfy current standards for RTOs.

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