



Australian Government

AHCAGB518 Develop climate risk management strategies

Release: 2

AHCAGB518 Develop climate risk management strategies

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 10.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to develop climate risk management strategies for an agricultural, horticultural or land management enterprise.

All work must be carried out to comply with workplace procedures, work health and safety legislation and codes.

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.

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

Pre-requisite Unit

Nil

Unit Sector

Agribusiness (AGB)

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. Review climate and enterprise data	1.1 Obtain and interpret historical climate data, including any natural disasters, from a range of sources 1.2 Identify weather and climate risk factors

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 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. Identify and analyse climate risks and opportunities	2.1 Analyse forecasted changes of seasonal climate for the enterprise region 2.2 Identify climate risks and opportunities for the site and enterprise region 2.3 Determine impact on production of different weather and climate risk factors 2.4 Use qualitative and quantitative techniques to analyse risks and opportunities 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
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 Identify business strategies that address major climate risk factors 3.4 Identify business strategies that include consideration of insurance to cover loss in the event of significant or unusual climate activity 3.5 Prepare financial forecasts for all strategies according to enterprise guidelines 3.6 Review preferred production, enterprise or alternative strategies and select options appropriate for the enterprise 3.7 Document and present strategies to manage risks associated with variable climate to stakeholders

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
Numeracy	- Analyse trends in historical data to predict future trends - Calculate financial returns for different strategic options

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB518 Develop climate risk management strategies Release 2	AHCAGB518 Develop climate risk management strategies Release 1	Minor edit to correct spelling in PC2.1	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 AHCAGB518 Develop climate risk management strategies

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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 developed climate risk management strategies for at least one site or property, including:

- researched, analysed and interpreted climate and site data
- recognised climate risks and opportunities presented for the business
- presented strategies to stakeholders, identifying how risks associated with variable climate could be managed.

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:

- types and sources of data used to record weather patterns
- qualitative and quantitative techniques to analyse risks
- impact of weather and climate on business activities
- difference between weather and climate
- causes of general patterns of weather and climate over Australia
- climate variability and climate change impacts for local region
- property and enterprise management decisions affected by the current and predicted climatic variability
- recognition of climate risks and opportunities
- seasonal climate forecasting systems and related indicators
- contingency planning including 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

- potential impacts of climate change 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)
- how to calculate financial returns for different strategic options
- computer applications to access, record, analyse and model data
- principles for decision-making, based on the variable climate and seasonal climate forecasts.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - digital technology and software used to research information relevant to climate
 - access to information and data relevant to a specific site/plot of land.

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

Links

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