



Australian Government

AHCAGB501 Develop climate risk management strategies

Release: 1

AHCAGB501 Develop climate risk management strategies

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to develop climate risk management strategies.

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

This unit applies to individuals who take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.

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

Pre-requisite Unit

Nil.

Unit Sector

Agribusiness (AGB)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Survey 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

Element	Performance criteria
	within climatic constraints 1.6 Source, present and update climate and enterprise data according to enterprise requirements
2. Climate risks and opportunities are identified and analysed	2.1 Analyse forecasted changes of seasonal climate 2.2 Identify climate risks and opportunities 2.3 Determine impact on production of different weather and climate risk factors according to enterprise requirements 2.4 Identify and develop qualitative and quantitative risk and opportunity factors 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 Address insurance and other options in business strategies 3.3 Address major climate risk factors in business strategies 3.4 Prepare financial outcomes 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 enterprise requirements 3.7 Present a planned strategy to cope with variable climate and climate risk management

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCAGB501A Develop climate risk management strategies.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCAGB501 Develop climate risk management strategies

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Performance Evidence

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.

The candidate must provide evidence that they can:

- research, analyse and interpret climate and enterprise data
- prepare risk management strategies
- integrate climate risk with opportunities and management strategies at a business management level
- implement enterprise sustainability policies.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- current forecasting techniques and phenomena, such as El Nino, ENSO, Southern Oscillation Index (SOI) and Pacific and Indian Ocean SST patterns
- impact of weather and climate on business activities
- causes of general patterns of weather and climate over Australia
- climate variability and climate change
- 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
- 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 financial returns for different strategic options
- computer applications and Internet to access, record and analyse data

- principles of decision-making based on the variable climate and seasonal climate forecasts.

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.

Links

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