



Australian Government

AHCWRK314 Monitor weather conditions

Release: 1

AHCWRK314 Monitor weather conditions

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to monitor and interpret weather and climate conditions and assess the likely impact on work functions and activity.

The unit applies to individuals who monitor weather conditions under broad direction and take responsibility for their own work.

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

Pre-requisite Unit

Nil

Unit Sector

Work (WRK)

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. Interpret weather and climate information	1.1 Review weather and climate information and warnings to determine likely conditions 1.2 Anticipate and assess potential variations in weather and climate conditions according to weather information and reports 1.3 Identify the possible impacts of weather and climate on workplace activity 1.4 Identify and review options for appropriate preventative actions
2. Carry out preventative	2.1 Disseminate information and advice according to workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
actions within the workplace	procedures 2.2 Plan preventative action according to the known effects on workplace activities 2.3 Implement actions to minimise adverse effects on workplace activities 2.4 Adjust and revise workplace activities and schedules according to weather conditions
3. Monitor weather and climate	3.1 Access regular weather updates to determine the ongoing suitability of current programs 3.2 Review the viability and scheduling of work tasks to align with predicted weather conditions 3.3 Record weather information according to workplace requirements

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
Reading	Interpret weather reports, warnings and data from a range of sources
Writing	Record weather and climate data according to workplace procedures using appropriate language, grammar and terminology
Numeracy	Perform mathematical calculations to interpret and compare weather data

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCWRK314 Monitor weather	AHCWRK302 Monitor weather	Minor changes to application	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
conditions	conditions	Major and minor changes to performance criteria and foundation skills Major and minor edits to performance and knowledge evidence and assessment conditions	

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 AHCWRK314 Monitor weather conditions

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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 monitored weather conditions on at least two occasions and has:

- interpreted weather and climate information and considered the impact on work activities and current operations
- interpreted weather and climate conditions to determine preventative actions
- communicated warnings and concerns to others according to workplace procedures
- implemented preventative actions to minimise impact of adverse weather conditions on workplace activities
- monitored ongoing changes to weather conditions, and reviewed prevention actions
- recorded weather information according to workplace requirements.

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:

- weather and climate conditions and their impact upon agriculture, horticulture and conservation activities, including:
 - humidity
 - temperature
 - sunlight light
 - delta T (ΔT)
 - frosts
 - inversions
 - dew point
 - wind force and direction
 - rainfall precipitation rate and frequency

- methods of monitoring and interpreting weather and climatic conditions, including:
 - bureau of meteorology
 - local weather stations
 - weather meters
- workplace and industry procedures for monitoring weather and climate conditions and recording and reporting
- effect of adverse weather conditions on agriculture, horticulture and conservation activities
- strategies to mitigate effects of adverse weather and climatic conditions on agriculture, horticulture and conservation activities.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - weather reports, warnings and climate data relevant to workplace
 - computer hardware and software or similar technologies to access weather data
- specifications:
 - workplace procedures, instructions or job specifications relevant to assessing the effects of weather conditions
- relationships:
 - team members.

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

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