



CLAYDON BROTHERS AHCWRK201 Observe And Report On Weather User Guide

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Document Control

Version	Date	Author	Rationale
0.1	25/11/2021	Bronwyn Blencowe	First Draft
0.2	28/11/2021	Alan Blencowe	Review by Industry Validator
1.0	7/12/2021	Michael Claydon	Final version for sign off and Issued

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Introduction

This unit of competency describes the skills and knowledge required to observe and contribute to positive environmental work practices.

The skills and knowledge described in this unit underpin a broad range of activities applicable to a variety of job roles throughout industries at various levels.

This unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for own work.

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

Pre-requisite Unit

Nil.

Learning Outcomes

1. Prepare to work
2. Check weather and climate information
3. Carry out preventative action
4. Monitor weather and climate

Assessment types

In this unit you will complete the following assessments:

1. Assessment Task 1: Written Assessment
2. Assessment Task 2: Monitoring weather
3. Assessment Task 3: Preventative Actions

Assessment Task 1: Written Assessment

Instructions for this task:

Answer all questions in the space provided.

You will be required to have a good understanding of the following areas:

1. effects of wind and rain on wind chill
2. effects of wind shear and wind chill exposure
3. enterprise and industry policies for monitoring weather and climate conditions, and recording and reporting weather and climate conditions
4. weather and climate conditions impact upon farming and grazing activities
5. effects of wind chill on metabolism of animals
6. effects of prolonged dry periods on pastures and animal production, and natural resources
7. effects of extreme heat on animals, including during birthing, and effects of heat stress on neonates
8. work health and safety requirements and practices, especially as they relate to weather and climate monitoring and preparations for hazardous weather
9. sustainability practices in the context of own

Benchmark

You must get all questions 100% correct and all documentation requested in this assessment is submitted to gain a satisfactory in this task.

Resources required for this assessment task:

You need to have access to the following:

- Pen and Paper
- This Booklet
- Access to learning materials
- Access to the internet

- Access to a PC and word processing software **Location:** Classroom/Computing Lab **Submission**

Submit your responses by the due date and in accordance with the general instructions at the beginning of this unit of competency. Attach the Assessment Agreement and the Assessment cover sheet for this assessment task.

Questions to respond to.	
Q1	Briefly describe the effects of wind and rain on wind chill.
Q2	Briefly describe the effects of wind shear and wind chill exposure.
Q3	List the farm and industry policies for monitoring weather and climate conditions and recording and reporting weather and climate conditions.
Q4	Describe the weather and climate conditions that impact upon farming and grazing activities.

Questions to respond to.	
Meteorology	Also called air pressure or barometric pressure; the pressure asserted by the mass of the column of air directly above a specified point of location.
Nimbus or Nimbo-	Strong winds concentrated within a narrow band.
Stratus	Amount of water vapour in the atmosphere.
Weather front	Heaped, piled or puffy shaped clouds
Wind	Clouds that are high in altitude
Normal	Overall increase in the Earth's surface temperature which changes global climate pattern.
Anomaly	Curl, fringe, wispy shaped clouds

Evidence to submit

Did you submit the following evidence?		Yes	No
1	Answers to Questions 1-10 in this task	<input type="checkbox"/>	<input type="checkbox"/>
2	Answers correctly sourced and referenced if applicable	<input type="checkbox"/>	<input type="checkbox"/>
3	Handwriting was neat and legible, or word processed	<input type="checkbox"/>	<input type="checkbox"/>
4	Cover sheet attached	<input type="checkbox"/>	<input type="checkbox"/>
5	Assessment Agreement attached	<input type="checkbox"/>	<input type="checkbox"/>

Assessment Task 2: Case Study – monitoring physical signs of weather

Student Instructions:

You are to prepare a report for the Farm Owners on the physical signs of weather, the monitoring of the weather and possible preventative actions.

Read the scenario below, highlight important aspects and then read the tasks you need to complete.

Your report can be in any format but must include all aspects of the task presented below and relevant to the scenario provided. You need to present your report to your class. The presentation should be no more than 10 minutes.

Reference that you can use: <https://www.awe.gov.au/abares/research-topics/climate>

Ask your Assessor to clarify items you are unsure about prior to commencing. Complete all tasks as stated and submit all work for assessment by the due date. The report must be word processed and it would be expected to be at least 4 pages.

You will be required to have a good understanding of the following areas:

1. Clarify work instructions with supervisor
2. Select and use tools and equipment and carry out pre-operational safety checks
3. Select and use personal protective equipment
4. Identify hazards and inform supervisor
5. Identify and action work health and safety policies and procedures and legislative requirements
6. Check weather and climate information to determine likely conditions
7. Recognise changed weather and climate situations
8. Anticipate likely impact of changes in weather and climate in respect to work tasks, safety of others, property, natural resources and local environment
9. Report anticipated impact of weather and climate to supervisor
10. Disseminate information and advice to relevant personnel

Benchmark

Students are to achieve at least a rating of 100% against each part of the task to be deemed satisfactory in this task. You must demonstrate that you are able to prepare for the monitoring of the weather; and check the weather and climate information whilst monitoring the weather.

All criteria listed in the Assessor's Checklist must be met to the industry standards specified in this unit.

Location: Classroom/Computing lab/Farm site

Resources:

- The Learning Guide
- PC and printer
- PPE applicable to activities
- Manufacturer's guidelines for using PPE and tools
- Access to various websites on the internet g. www.BOM.gov.au
- Information relevant to a region on weather

Evidence to submit

Did you submit the following evidence?		Yes	No
1	Report completed on aspects 1-11	<input type="checkbox"/>	<input type="checkbox"/>
2	Assessor checklist submitted	<input type="checkbox"/>	<input type="checkbox"/>
3	Cover sheet attached	<input type="checkbox"/>	<input type="checkbox"/>

Assessment Task 3: Case Study – Preventative actions

Student Instructions:

You are to create a list of preventative actions from the recommendations in the Report presented in Assessment Task 2. This needs to be word processed.

Submit all work to your Assessor for marking by the due date and include the Assessment Cover Sheet.

Ask your Assessor to clarify items you are unsure about prior to commencing. Complete all tasks as stated.

You will be required to have a good understanding of the following areas:

1. Determine the preventative action required according to known effects of livestock, crops and work tasks
2. Implement actions to minimise loss and damage
3. Adjust livestock, horticultural or crop management program or schedule of work tasks according to weather and climatic changes
4. Access regular updates to determine ongoing suitability of current programs
5. Review the viability of livestock, horticultural or crop management practices to ensure suitability within meteorological conditions

6. Research forecasting techniques to maintain currency of information
7. Document relevant information

Benchmark

You are to provide an action plan which demonstrates a sound understanding of the recommendations and preventative actions required to protect the activities on the farm. You must demonstrate that you are able to check weather and climate information and carry out preventative actions to minimise the impact of changing weathers.

You must complete all activities in full and you must answer all questions in full.

All criteria listed in the Assessor's Checklist must be met to the industry standards specified in this unit.

Location: Classroom/Computing lab/Farm site

Resources:

- The Learning Guide
- Internet, PC and printer
- Farm site with access to their weather monitoring details
- Access to various sources of data
- Access to the report in Assessment Task
- <https://www.dpi.nsw.gov.au/animals-and-livestock/beef-cattle/management/business-management/record-keeping-mgt>

<https://www.agric.wa.gov.au/climate-change/dry-times-rangelands> <https://www.agric.wa.gov.au/drought-and-dry-seasons/key-points-managing-sheep-poor-season>

<https://www.agric.wa.gov.au/climate-weather/dry-season-resources> <https://www.agric.wa.gov.au/dry-seasons-and-drought/seasonal-climate-information>

Evidence to submit

Did you submit the following evidence?		Yes	No
1	Action plan tasks 1-7 completed	<input type="checkbox"/>	<input type="checkbox"/>
2	Assessor checklist submitted	<input type="checkbox"/>	<input type="checkbox"/>
3	Cover sheet attached	<input type="checkbox"/>	<input type="checkbox"/>

Record of Assessment Outcomes

This section records all the evidence used to form the final assessment decision. Please document all types of evidence used in this assessment.

Student Name							
Unit of Competency	AHCWRK201 – Observe and report on weather (Release 1)						
Assessment Requirements	Task Outcomes						
	Satisfactory (S)		Not Satisfactory (NS)		Resubmit		
Assessment Task 1: Written Assignment	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Assessment Task 2: Monitoring Weather	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Assessment Task 3: Preventative Actions	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Overall Assessment Outcome							
<input type="checkbox"/> Competent		<input type="checkbox"/> Not Yet Competent			<input type="checkbox"/> Resubmit		
If a resubmission is required what additional evidence or corrections are required?							
Assessor Name:							
Assessors Signature:					Date		

Appendix 1 – Student Survey

At the end of each unit, we would like to collect feedback, so we can identify areas for improvement in our materials. Circle or highlight the response you wish to use. We would appreciate your assistance by providing your constructive feedback.

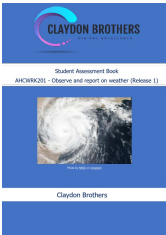
Please complete the survey and return it to Claydon Brothers Pty Ltd by email: sales@claydonbrothers.com.au. Thank you for your time.

Qualification code and name						
Unit code and name	AHCWRK201 – Observe and report on weather (Release 1)					
Date:						
Please read the statements below and circle the most appropriate response:	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	
1. The amount of time for the assessment was appropriate.	1	2	3	4	5	
2. The training and assessment materials for this unit were suitable to my learning style and easy to use.	1	2	3	4	5	
3. The content was interesting and engaging.	1	2	3	4	5	
4. The topics were presented in a logical sequence.	1	2	3	4	5	
5. The assessment tasks were clear; and it was easy for me to understand what was required of me.	1	2	3	4	5	
6. What did you find most interesting or useful about this unit?						
7. What, if anything, did you find the least useful about the unit?						
8. Please make any constructive suggestions that would improve these materials for future students?						

Thank you for providing your valuable feedback.

Read More About This Manual & Download PDF:

Documents / Resources

	<p>CLAYDON BROTHERS AHCWRK201 Observe And Report On Weather [pdf] User Guide AHCWRK201 Observe And Report On Weather, AHCWRK201, Observe And Report On Weather, Report On Weather, Weather</p>
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References

- [Australia's official weather forecasts & weather radar - Bureau of Meteorology](#)
- [Australia's official weather forecasts & weather radar - Bureau of Meteorology](#)
- [Home](#)
- [NASA \(@nasa\) | Unsplash Photo Community](#)
- [500+ Weather Pictures | Download Free Images & Stock Photos on Unsplash](#)
- [Dry times in the rangelands | Agriculture and Food](#)
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