

Title	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation		
Level	2	Credits	4

Purpose	<p>This unit standard is for people working in the primary industry who require understanding of weather information.</p> <p>People credited with this unit standard are able to: describe different characteristics of weather, climate and micro-climate; describe land features which affect weather, and their influence on plant growth and livestock production; and interpret information supplied on weather maps in relation to a primary industry operation.</p>
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Classification	Primary Sector > Primary Sector Core Skills
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Available grade	Achieved
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Guidance information

None.

Outcomes and performance criteria

Outcome 1

Describe different characteristics of weather, climate and micro-climate.

Performance criteria

- 1.1 Describe five characteristics of weather based on meteorological data sources.
- 1.2 Describe climate in terms of different latitudes.
- 1.3 Describe three characteristics of a geographical micro-climate within New Zealand.

Outcome 2

Describe land features which affect weather, and their influence on plant growth and livestock production.

Range land features – topography, geographical location.

Performance criteria

- 2.1 Describe how land features influence weather within New Zealand.
- 2.2 Describe land features in terms of their influence on plant growth and livestock production.

Outcome 3

Interpret information supplied on weather maps in relation to a primary industry operation.

Performance criteria

- 3.1 Describe weather maps in terms of their symbols and format.
- Range Mean Sea Level chart, isobars, anticyclones, depressions, land contour symbols, troughs and ridges, clouds and rain symbols, stationary and occluded fronts, cold and warm fronts.
- 3.2 Identify an anticyclone and depression position, direction, and strength, and describe their effect on a primary industry operation.
- 3.3 Interpret wind direction, wind shifts and strength at a fixed location over time.
- 3.4 Interpret the symbols for ridges of high and low pressure.
- 3.5 Predict likely temperature changes by identifying the presence, type, and movement of different fronts.

Replacement information	This unit standard and unit standard 19139 replaced unit standard 32.
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Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2002	31 December 2020
Review	2	20 May 2008	31 December 2020
Review	3	28 February 2019	N/A

Consent and Moderation Requirements (CMR) reference	0232
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.