

Weather to Farm

An Independent Student Learning Activity

Weather! Everyone talks about it because we are all affected by weather every day. Is it raining? Snowing? $+30^{\circ}\text{C}$ or -30°C ? No matter the weather, it will affect what jacket (parka or windbreaker?) you do or don't wear when you go outside, or the outdoor sport (cycling or skiing?) you participate in on a given day.

Weather is one of the biggest risk factors for a farmer because it affects everything they do, but they have no control over the weather. Farmers grow livestock (animals) and crops (plants) to make food for us to eat. The weather affects the growth of their livestock and crops in good and bad ways. In this activity, you are going to meet a Manitoba farmer and then try "farming" yourself. May the weather be good to you!

Part A

Before you watch the Weather to Farm Video with Farmer Korey Peters, from Herbsigwil Farms, complete the following questions.

1. Make a list of all the weather components that you know.

2. Why do you think a farmer would have a weather station containing instruments for measuring the weather on their farm?



Temperatures Tonight

Location	Temperature
Lynn Lake	5°
Churchill	8°
Thompson	12°
Gillam	12°
Flin Flon	12°
Grand Rapids	14°
Dauphin	16°
Brandon	16°
Melita	17°
Portage	19°
Morden	19°
Gimli	19°
Winnipeg	21°
Steinbach	21°
Pinawa	22°
Kenora	23°
Dryden	21°
Fort Frances	20°

Weather components are all the parts of a weather report.



Part B: During the Weather to Farm Video with Farmer Korey Peters, watch for the weather components that Korey uses to make decisions on his farm.

1. [Click here](#) to watch the Weather to Farm video.
2. Go back to your list of weather components in **Part A**. Check off all the weather components that Korey uses to make decisions on his farm. Add any that Korey used that are not already on your list.
3. Korey checks on wind speed to help him decide the best time to spray his crop to protect it from weeds. What type of wind is best for spraying crops?



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4. Why does Korey check if frost is being forecasted when he is deciding when to plant seeds?

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5. Why can't crops be harvested when it rains?



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6. What is the most interesting thing you learned in this video?



Part C: Now it is time for you to be the farmer.

[Click here](#) to play the Weather to Farm Game.

Record your score here: _____

The intro screen may look like this. If so, click Restart here!



Part D: Complete the following question.

1. a. Pick 2 weather components from the list.
b. For each weather component you have chosen, describe:
 - i. one good way it could affect your farm
 - ii. one bad way it could affect your farm

Weather components

- Cold front
- Rain
- Dew
- Relative humidity
- Frost
- Snow
- Heat wave
- Warm front
- Humidex
- Wind