



Great Lakes Climate and Weather, Lesson 2: Investigating Great Lakes Fruit Growing Regions

Data sheet (Key)

- Great Lakes region: (Circle the lake you are investigating)

Lake Superior Lake Ontario

Lake Huron Lake Erie

Hypotheses:

- The Great Lakes delay freezing in the fall, keeping temperatures warmer longer near the lakes than further inland.
- The length of the growing season is longer in coastal regions than in inland regions.

- Data table: Using the spreadsheets, fill in first and last frost dates and calculate the length of the growing season for the lake you are investigating. Define 'Frost' as any day with an hourly temperature of 0 degrees Celsius.

NOTE: You can use either the average daily or the hourly temperatures. If you have time, try both and compare your answers. Is there a difference? Why?

| Lake | City | Station code | Last frost (date) | First frost (date) | Growing season (#of days) |
|----------|------------------------|--------------|-------------------|--------------------|---------------------------|
| Superior | Sault Sainte Marie, MI | ANJ | 28-May | 17-Oct | 141 |
| | Chapleau, ONT | YLD | 27-May | 29-Sep | 124 |
| Huron | Goderich, ONT | WGD | 28-May | 22-Oct | 146 |
| | Muskoka, ONT | YQA | 29-May | 3-Oct | 126 |
| Erie | Lorain, OH | LPR | 15-Apr | 19-Oct | 186 |
| | London, ONT | YXU | 1-May | 19-Oct | 170 |
| Ontario | Alexandra Bay, NY | ABAN6 | 15-Apr | 19-Oct | 186 |
| | Syracuse, NY | SYR | 1-May | 7-Oct | 158 |



Hypothesis A is (circle one):

Supported

Rejected

Can't determine

3. Provide evidence for your conclusion.

Hypothesis B is (circle one):

Supported

Rejected

Can't determine

4. Provide evidence for your conclusion.