

Supplementary Material—Climatic Data

Canadian Climate normal data from local station, which is the 30 years average of local weather. This experiment involved soil samples from 2 different locations: Figure S1 demonstrates the precipitation, daily average, minimum and maximum temperature data from Alliston, Ontario, Canada (44°09'05.028"N, 79°52'20.088"W, elevation 221m) between 1981 to 2010, and Figure S2 shows such data for Woodstock, Ontario, Canada (43°08'10.044"N, 80°46'14.040"W, elevation 281.9 m).

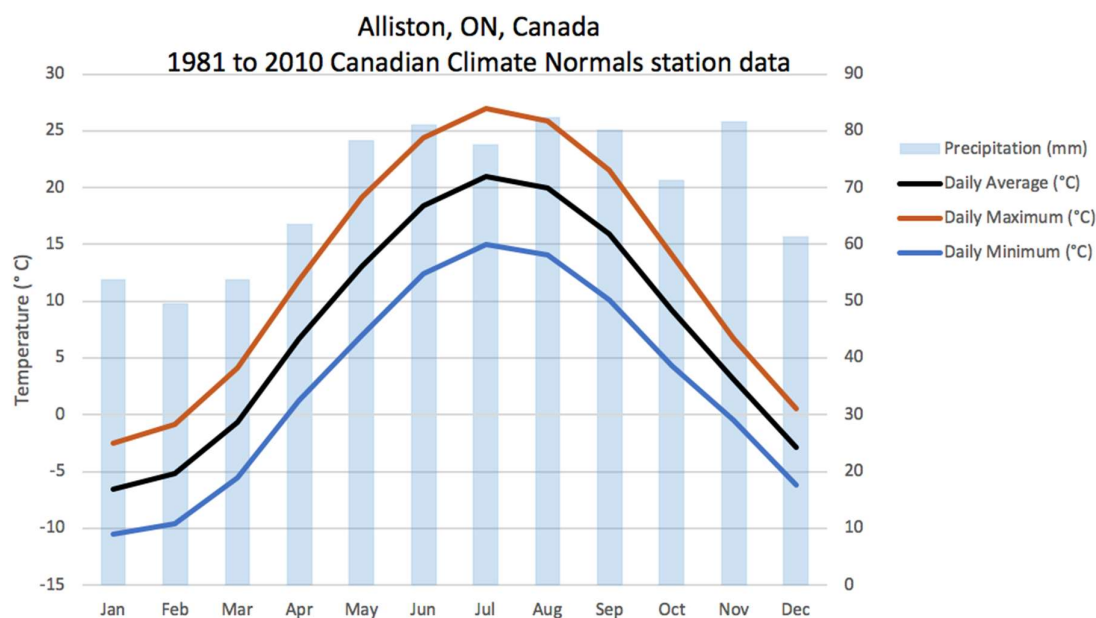


Figure S1. Temperature and Precipitation graph for 1981 to 2010 Climate Normals from Alliston, ON, Canada [1].

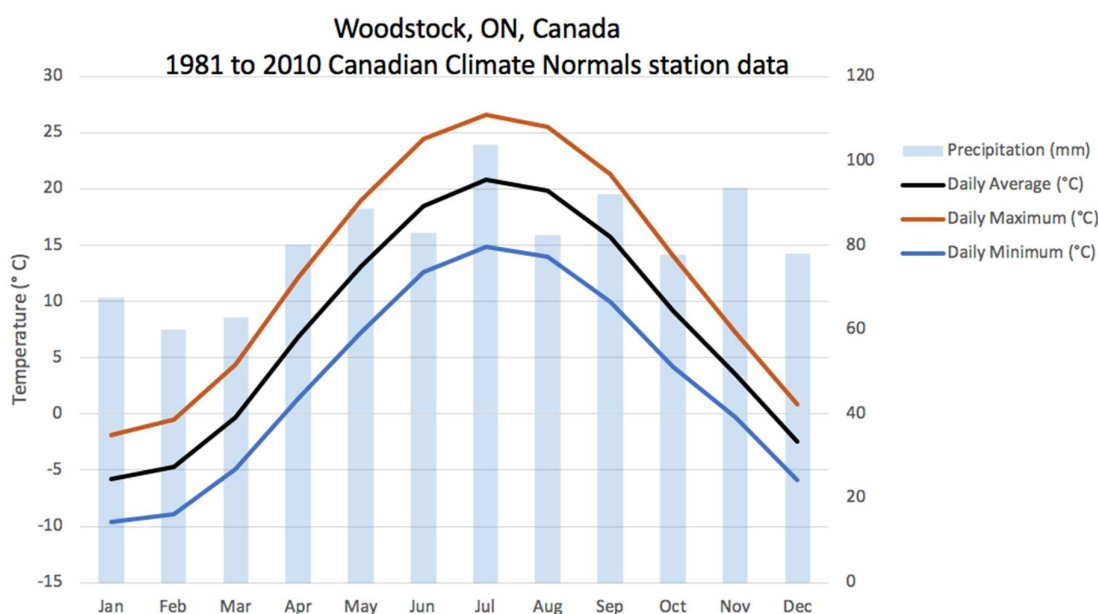


Figure S2. Temperature and Precipitation graph for 1981 to 2010 Climate Normals from Woodstock, ON, Canada [2].

The rooftop experiment was conducted in Guelph, ON, Canada. However, the nearest historical weather data available was located on Kitchener/Waterloo (20 km distance), as shown in Figure S3.

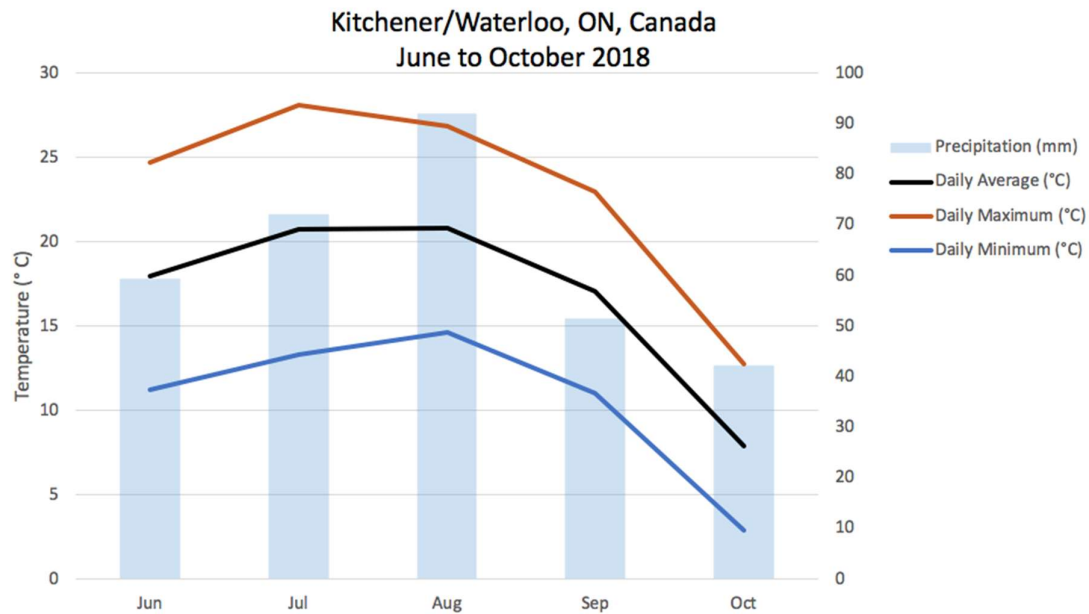


Figure S3. Kitchener/Waterloo, ON (Canada) weather historical data from June to October of 2018 during the experiment [3].

References:

1. Environment and Climate Change Canada. Available Online: http://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?stnID=4402&autofwd=1 (accessed on 07 September 2019).
2. Environment and Climate Change Canada. Available Online: http://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?stnID=4835&autofwd=1 html (accessed on 07 September 2019).
3. Environment and Climate Change Canada. Available Online: http://climate.weather.gc.ca/climate_data/hourly_data_e.html?hlyRange=2010-04-06%7C2019-09-07&dlyRange=2010-04-18%7C2019-09-07&mlyRange=%7C&StationID=48569&Prov=ON&urlExtension=_e.html&searchType=stnName&optLimit=yearRange&StartYear=1840&EndYear=2019&selRowPerPage=25&Line=0&searchMethod=contains&txtStationName=waterloo&timeframe=1&Year=2018&Month=6&Day=1# (accessed on 07 September 2019).