

Findings from the Field

Volume 6

Article 13

2023

How is climate change affecting wild Maine blueberry production?

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Recommended Citation

H, Jack and A, Liam (2023) "How is climate change affecting wild Maine blueberry production?," *Findings from the Field*: Vol. 6, Article 13.

Available at: <https://findings.gmri.org/journal/vol6/iss1/13>

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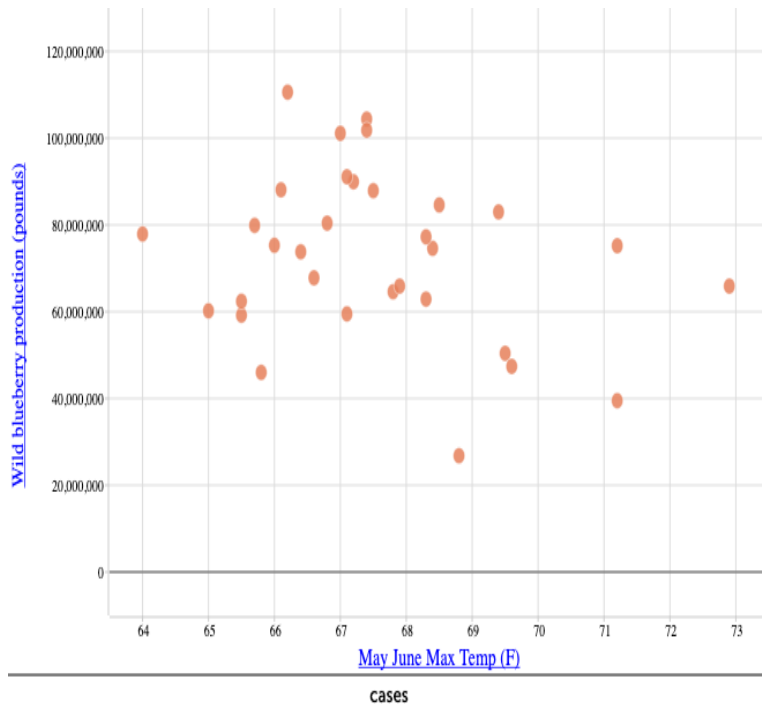
How is climate change affecting wild Maine blueberry production?

By: Liam and Jack

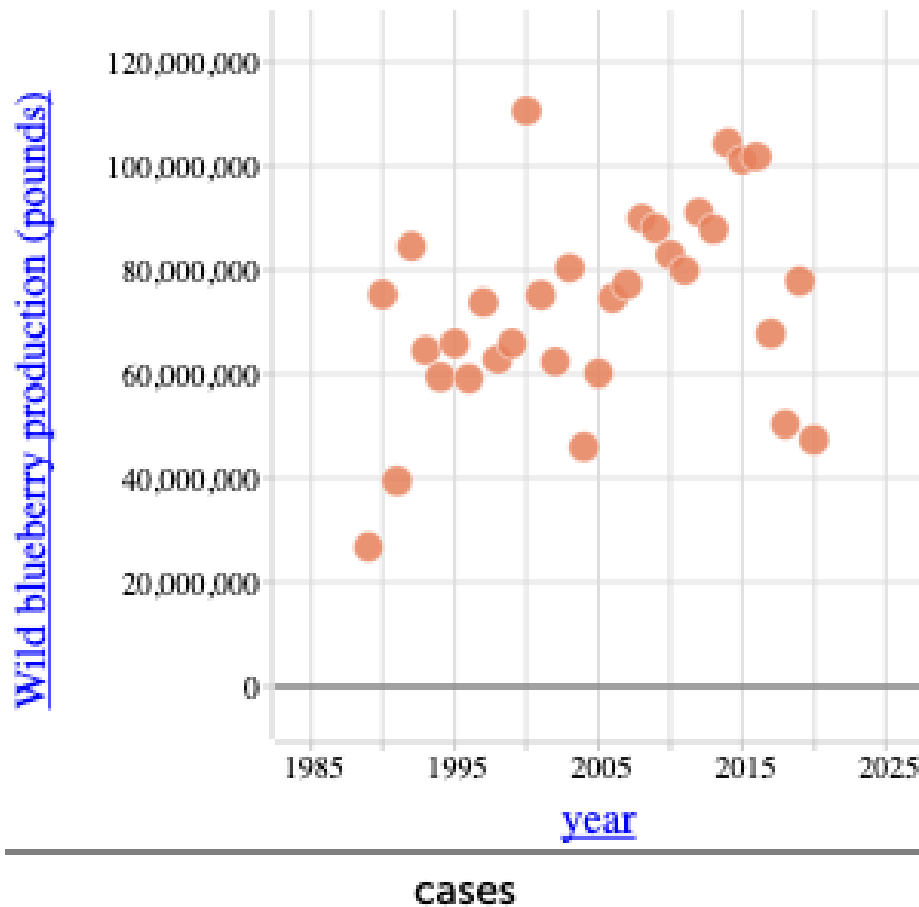
The Question

How is climate change affecting wild Maine blueberry production? This question was answered with information from Blueberry Hill, Winterport, collected by Francis Drummond. One thing that we gathered from the graph is that blueberry production peaked at around 66 degrees, but as the temperature got higher blueberry production started steadily going down. Thus our big question has already been answered; the data from the graphs show that as the temperature goes up, the production of blueberries goes down. This data is appropriate to answer my question because it's on Maine blueberries and Maine climate.

The Data



This data shows how the temperature affects blueberry production. You can see that when the temperature is hotter than 70 degrees blueberry production slows down, but the temperature is around 65 degrees blueberry production is much higher.



This graph shows blueberry production in pounds over the years. Blueberry production hit an all-time high in the year 2000, and as of recently, blueberry production has started going down on a steady decline.

Everyone knows that climate change has been affecting the temperature of this planet for many years, and every year the temperature continues rising. This graph shows the correlation of blueberry production over the years, starting around 1989. According to this graph, blueberry

production was on an incline starting in 1991. It peaked in the year 2000 at 110,000,000 pounds of blueberries. Since then blueberry production has been on a steady decline, hitting a low point in 2020, at 50,000,000 pounds harvested that year. Which is 4th to that of 1989 (the lowest).

When the temperature was most likely too cold for blueberries to mass produce like they have been. Based on our analysis of the data, we think that blueberry production is decreasing due to the warming climate on Earth. These two graphs connect to what we learned about bees, when the weather gets hotter bumble bees cannot go out and pollinate so therefore blueberry production would decrease.

Blueberries are a very yummy snack that just about everyone loves. Climate change has been warming the Earth significantly for many years. In the warmth, blueberry production starts to go down. If this trend of climate change continues, in the future blueberry population could be at risk. Our data shows how fast blueberry production has been going down, how long will it be until we lose them forever? We need to do more to stop the effects of climate change.

Citations:

New England Agricultural Statistics (NASS). <https://quickstats.nass.usda.gov/>.

Climate at a Glance: County Time Series, published March 2022, retrieved on March 11, 2022, from <https://www.ncdc.noaa.gov/cag/>.