



ROBINETTE Farms



MARTELL • NEBRASKA

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RANK 1 = WARMEST PERIOD OF RECORD: 1880-2015	YEAR	ANOMALY °F
1	2015	1.62
2	2014	1.33
3	2010	1.26
4	2013	1.19
5	2005	1.17
6 (tie)	1998	1.13
6 (tie)	2009	1.13
8	2012	1.12
9 (tie)	2003	1.10
9 (tie)	2006	1.10
9 (tie)	2007	1.10
12	2002	1.08
13 (tie)	2004	1.03
13 (tie)	2011	1.03
15 (tie)	2001	0.97
15 (tie)	2008	0.97

Here are the top 15 average global temperature rankings from the [National Oceanic and Atmospheric Administration \(NOAA\)](#). We began keeping these records in 1880.

As you can see, 14 of the 15 warmest years since 1880 came in the last fifteen years, and 1998 — not far off from the 2000's! — rounds out the top 15.

These are global temps, what about in the US and what about over a longer period than just since 1880?

Read more below!

June 15th, 2016

Farm News

This Week's Share

Fennel

Carrots or Beets

Kale or Chard

Head Lettuce

Garlic Scapes

Snow Peas

Missed Pickup?

If you miss pickup, contact us at 402.794.4025 or farmers@robinettefarms.com to arrange a time to pickup at the farm. If we haven't heard from you by Friday, your share will be donated to charity.

SOME LIKE IT HOT (. . .BUT THEY AIN'T FARMIN')

As we stare down what's shaping up to be an unseasonably hot June in Nebraska, I can't help but think about where the globe is headed and what that means for food production, so I just had to show some graphs — sorry!

Across the contiguous US, [the last five years is the hottest 60 month stretch](#) since record keeping began in 1880. Remember 1880? That's when Rutherford B. Hayes was president and 49% of the nation's 50 million people were farmers (about 2.5% of the country are farmers today).

In Nebraska, the last five years are "only" [the 4th hottest 60 month stretch](#) on record, and if we look at what this year might do, January—May nationally is also "only" [the 4th hottest](#) on record. What will happen when "year-to-date" includes June? I have a guess!

1880 wasn't that long ago though, so what about since human civilization began — what do those temps look like? The [graph at the bottom of the page](#) shows the temperature (both

Climate Nerdery and Recipes

actual and estimated) over the last 11,300 years, and yes, it has been quite warm in the past — but what’s important to notice is the **rate** of temperature change. Look how that purple line skyrockets vertically in a way we haven’t seen in 11 millennia!

Plants, animals and our planet can adapt to massive changes over long periods, but those quick changes are where things get sticky. Here’s a quick experiment to illustrate the point: make silly putty into a nice smooth ball and slowly stretch it out — the silly putty can undergo massive amounts of shape change and easily adapt. Now ball it back up and make a new smooth ball, but this time put it on the sidewalk and hit it with a hammer! The silly putty should crack or shatter — it can’t change shape that fast! The hammer isn’t making near the magnitude of change as stretching creates, but the **rate** of hammer-induced change is just too much to bear.

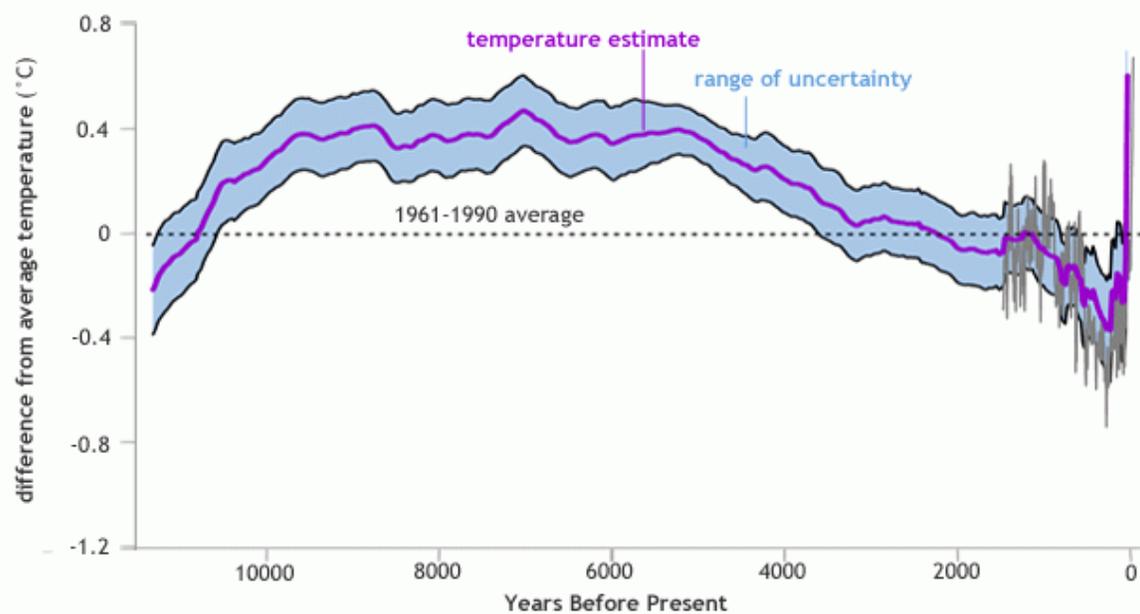
Greenhouse gases are the hammer and global climate is the putty. Our climate is changing so quickly right now that it’s really hard to know what’s coming! How can we plan for this?

On the farm, we’re trying to pay attention to the warming trends and get things in the ground sooner (official “frost-free” dates were extended by almost a

month a couple years back), or even try new plants that maybe haven’t done well here in the past. We also grow a wide diversity of plants which we hope allows us to find “winning” crops each year regardless of what weather comes our way. Unfortunately, as farmers have been forever, we’re largely at the mercy of Mother Nature and a largely variable climate means that some years we just won’t have the opportunity to get things done on the timeline that is required. This year planting was late due to spring floods, and those plants that did get in are now struggling to keep up with the sudden hot and dry.

You’ll see — farmers can **always** find something to complain about when we’re talking weather! ;-)

- [Garlic Scapes? Garlic Scapes!](#)
- [Berry-Beet Smoothie](#)
- [Tips and Recipes for Green Smoothies](#)
- [Simple Braised Greens](#)
- [Chard \(or Kale or any green\) Wraps](#)
- [Carrot, Snow Pea and Chicken Stirfry](#)
- [Leftover Greens? — Fry them of course!](#)
- [Fennel Ideas](#)



Global temperature anomalies over the past 11,300 years compared to historic average (1961-1990). The purple line shows the annual anomaly, and the light blue band shows the statistical uncertainty (one standard deviation). The gray line shows temperature from a separate analysis spanning the past 1,500 years. Image adapted from Figure 1(b) in Marcott et al.