

**Weather Resources**  
**October 16, 2020**

To create a chart of temperature deviations from normal in the geographical center of the Corn Belt, like Dr. Taylor showed in his Climate presentation on October 15:

Go to Iowa Environmental Mesonet, <https://mesonet.agron.iastate.edu/>

Click on Ag Weather

Automated Data Plotting

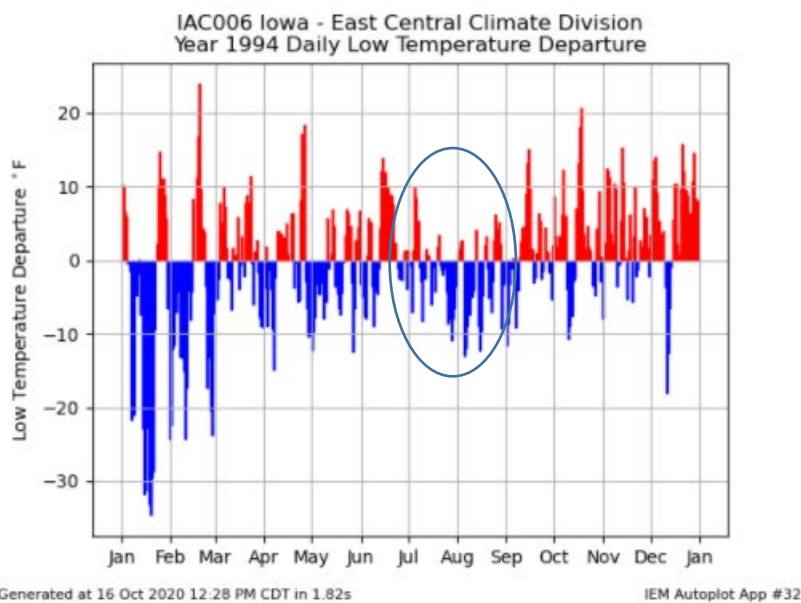
Select a Chart Type: Daily Temperature Departures for One Year (#32), click Select Plot Type

Select Station: Iowa Long Term Climate Series, Iowa East Central Climate Division

Year to Plot: 1994

Variable to Plot: Low Temperature

Make Plot with Options



1994 growing season was cooler than normal in July and August suggesting USDA underestimated yield in the August/September Crop Reports.

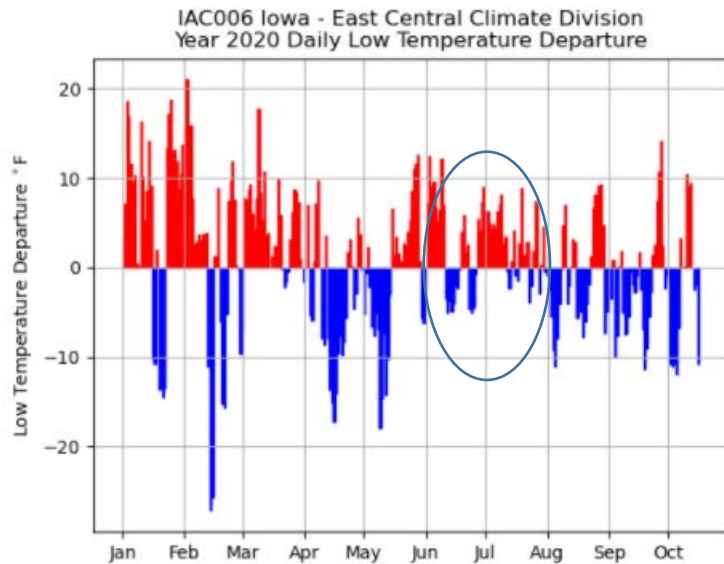
USDA August, 1994: 128.4 bu/ac

USDA September, 1994: 129.0 bu/ac

USDA October, 1994: 133.8 bu/ac

USDA January, 1995: 138.6 bu/ac

Same chart for 2020.



2020 was warmer than normal in the center of the Corn Belt in July and August suggesting USDA overestimated the corn yield in the August/September Crop Reports.

USDA August, 2020: 181.8 bu/ac

USDA September, 2020: 178.5 bu/ac

USDA October, 2020: 178.4 bu/ac

USDA January, 2021: ???? bu/ac

#### Other websites, resources:

TexMesonet

<https://www.texmesonet.org/>

West Texas Mesonet

<http://www.depts.ttu.edu/nwi/research/facilities/wtm/index.php>

El Nino/La Nina data sources:

Climate Prediction Center, El Nino-Southern Oscillation (ENSO)

<https://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml>

Australian Bureau of Meteorology, Climate Outlooks and Drivers

<http://www.bom.gov.au/climate/>