



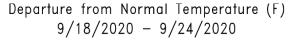
#### Aaron B. Wilson

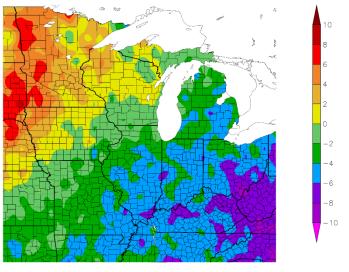
STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES
BYRD POLAR & CLIMATE RESEARCH CENTER

DEPARTMENT OF GEOGRAPHY

#### **Temperature Differences Compared to Average (1981-2010)**





NOAA Regional Climate Centers

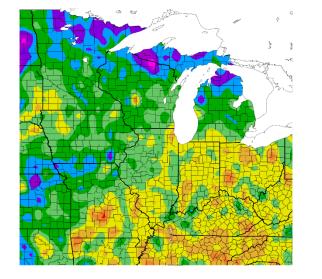
7-Day



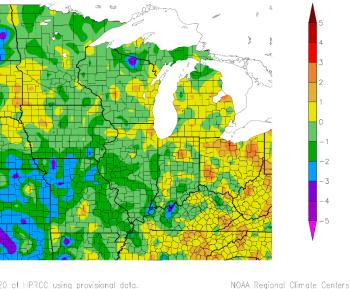
Generated 9/25/2020 at HPRCC using provisional data.

30-Day

Departure from Normal Temperature (F) 8/26/2020 - 9/24/2020



Departure from Normal Temperature (F) 7/27/2020 - 9/24/2020



nerated 9/25/2020 at HPRCC using provisional data.

60-Day

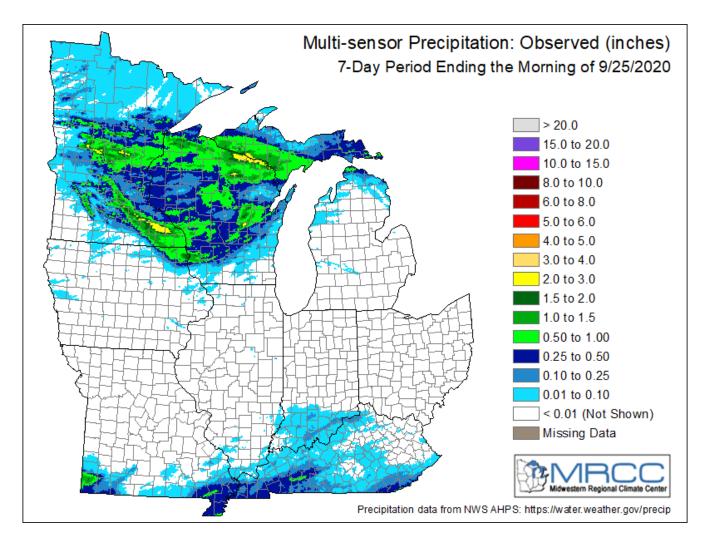
Generated 9/25/2020 at HPRCC using provisional data.

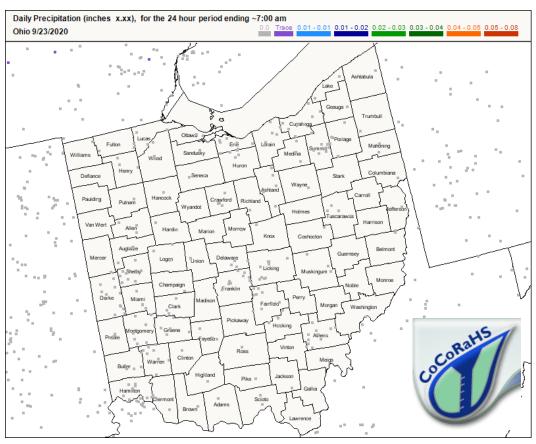
NOAA Regional Climate Centers

https://www.drought.gov/drought/dews/midwest/current-conditions



#### This Week's Precipitation



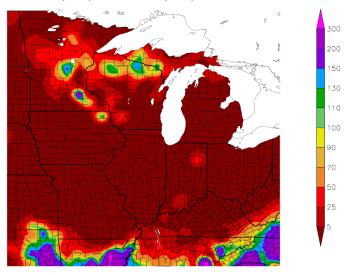


https://www.cocorahs.org/



#### **Precipitation Differences Compared to Average (1981-2010)**

Percent of Normal Precipitation (%) 9/18/2020 - 9/24/2020



Generated 9/25/2020 at HPRCC using provisional data.

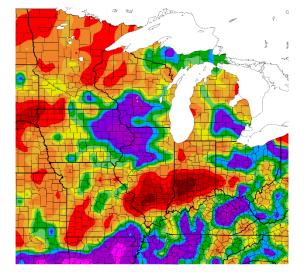
NOAA Regional Climate Centers

7-Day

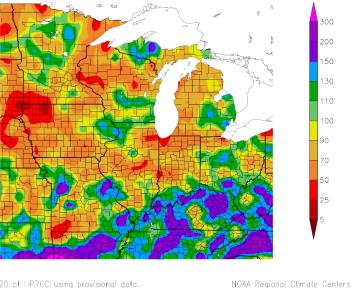


30-Day

Percent of Normal Precipitation (%) 8/26/2020 - 9/24/2020



Percent of Normal Precipitation (%) 7/27/2020 - 9/24/2020



nerated 9/25/2020 at HPRCC using provisional data.

60-Day

Generated 9/25/2020 at HPRCC using provisional data.

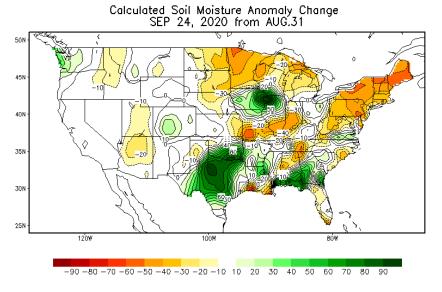
NOAA Regional Climate Centers

https://www.drought.gov/drought/dews/midwest/current-conditions



# Calculated Soil Moisture Ranking Percentile SEP 24, 2020 50N 45N 40N 35N 120W 100W 80W

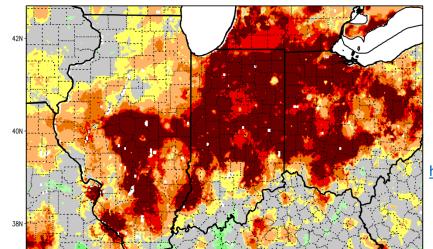
#### **Soil Moisture**



SPoRT-LIS 0-100 cm Soil Moisture percentile valid 25 Sep 2020



https://www.cpc.ncep.noaa.gov/products/Soi lmst Monitoring/US/Soilmst/Soilmst.shtml#



https://weather.msfc.nasa.gov/sport/case studies/lis IN.html





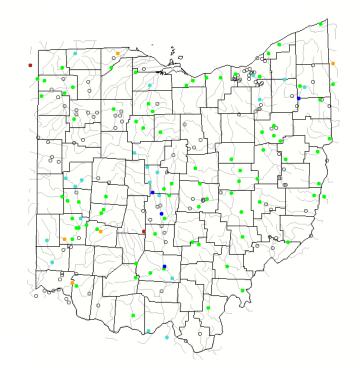
# 7-DAY

Explanation - Percentile classes							
							0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		recriainsu

Average streamflow compared to historical streamflow for the day of the year

#### **USGS Stream Flow**





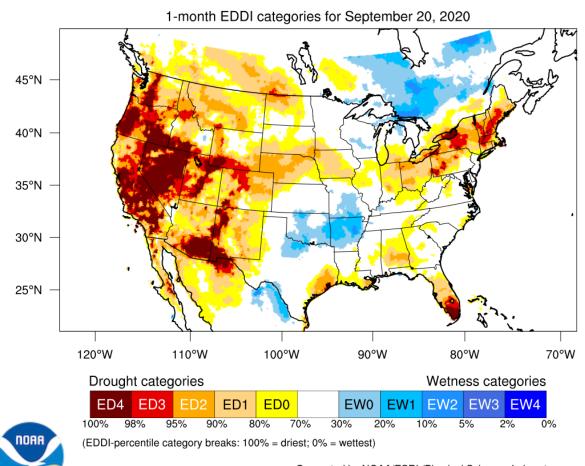


https://waterwatch.usgs.gov/index.php

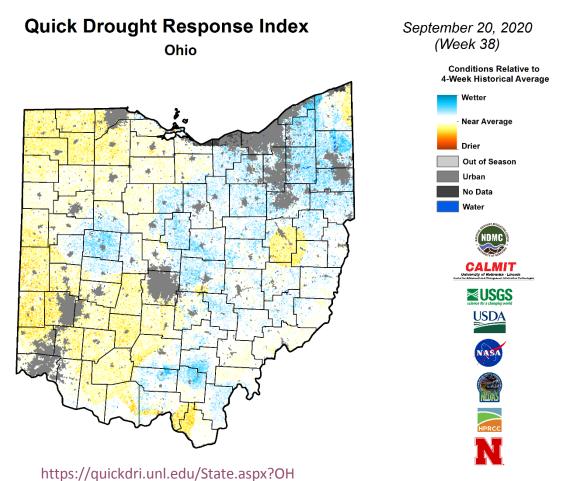
**28-DAY** 



#### e Demand

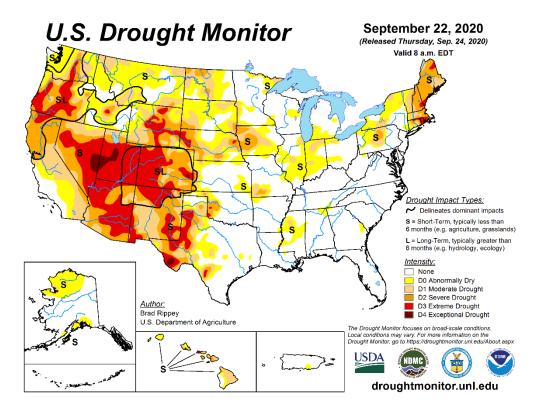


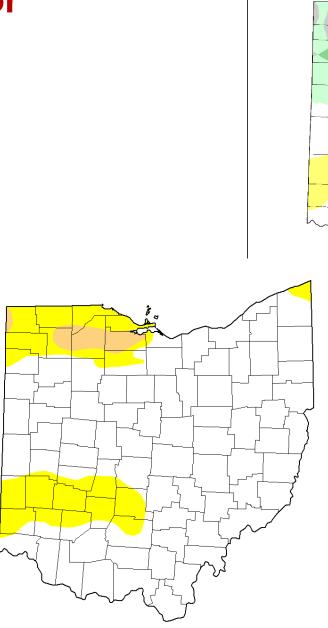
Generated by NOAA/ESRL/Physical Sciences Laboratory





#### **Current U.S. Drought Monitor**





U.S. Drought Monitor Class Change - Ohio
1 Month

4 Class Degradation
3 Class Degradation
2 Class Degradation
1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement
3 Class Improvement

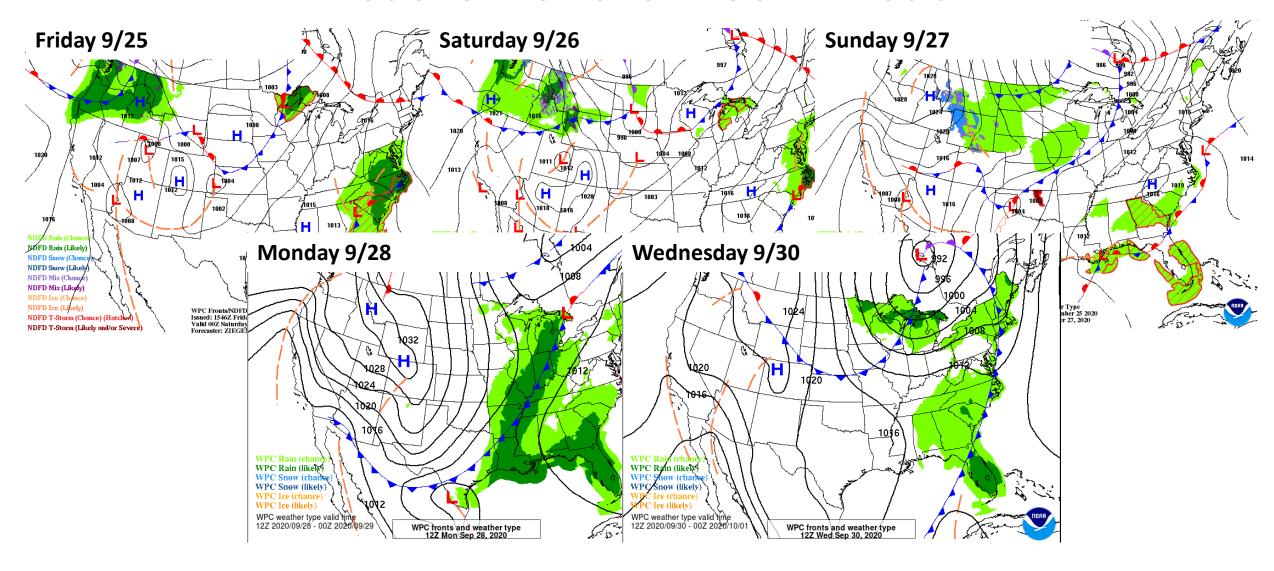
4 Class Improvement

5 Class Improvement

droughtmonitor.unl.edu

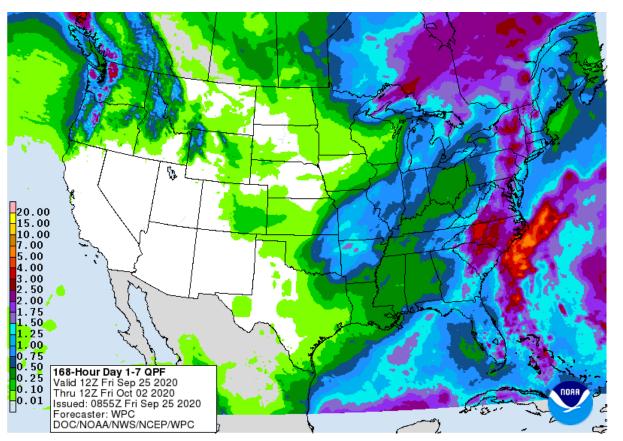


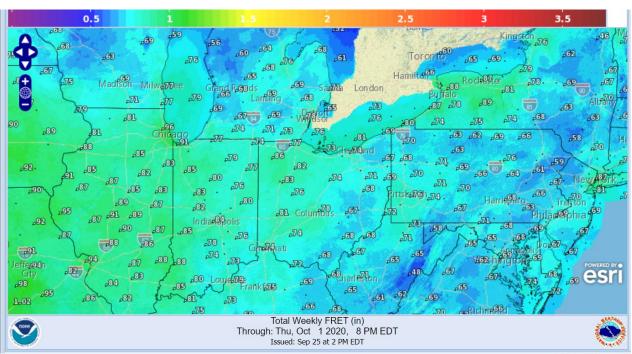
#### Weather for the Week Ahead





# 7-Day Precipitation/Evaporation Forecast



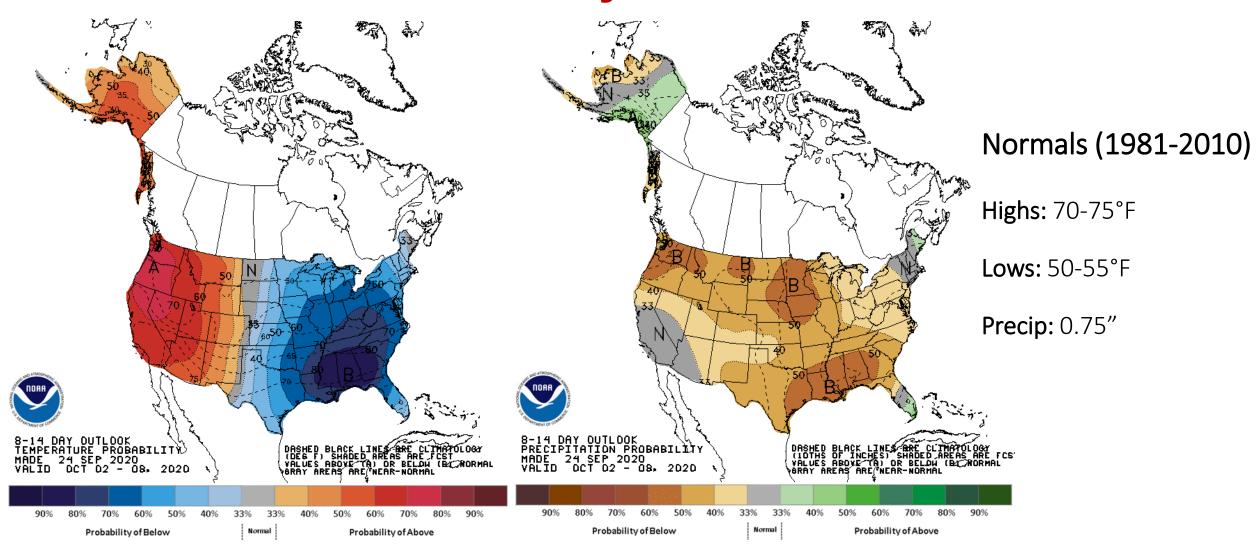


https://www.weather.gov/abr/etforecasts

https://www.wpc.ncep.noaa.gov/#

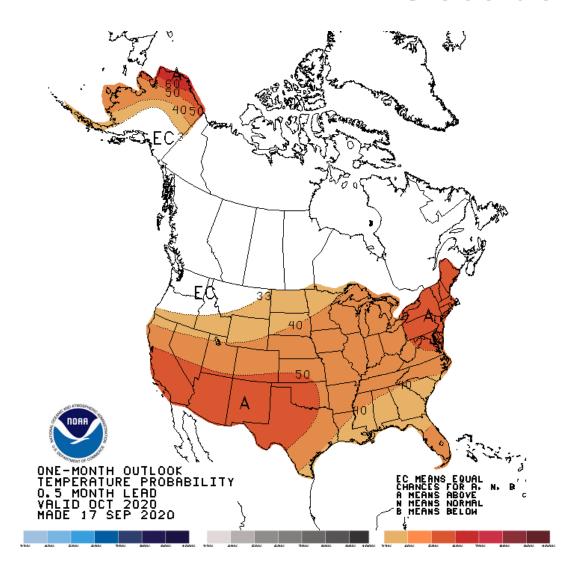


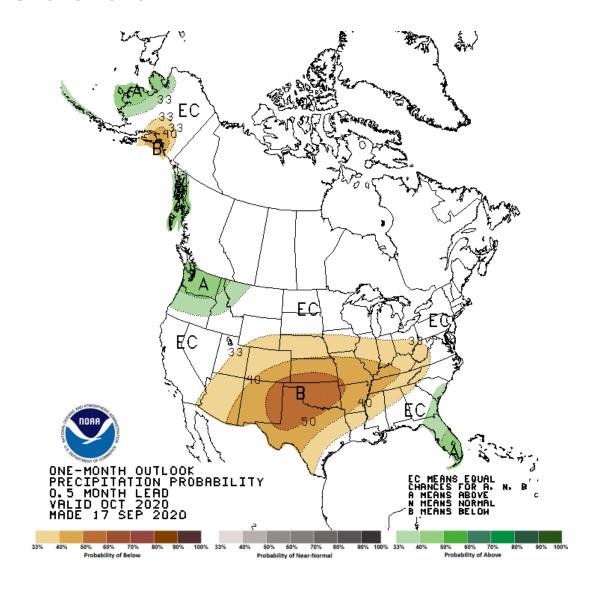
# 8-14 Day Outlook





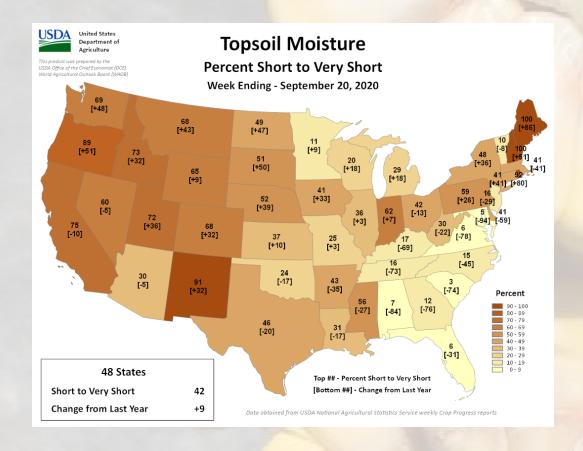
### **October Outlook**







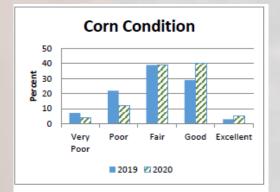
# **Ag Highlights**

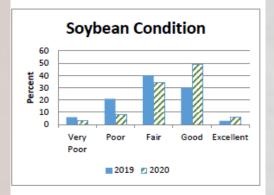


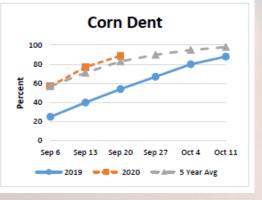
- 6.4 suitable days for fieldwork ending Sept. 21
- Silage and cutting hay
- Most crop conditions still fair to good and ahead of 5yr averages

#### NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics by State/Ohio/Publications/Crop Progress & Condition/2020/cw3220oh.pdf

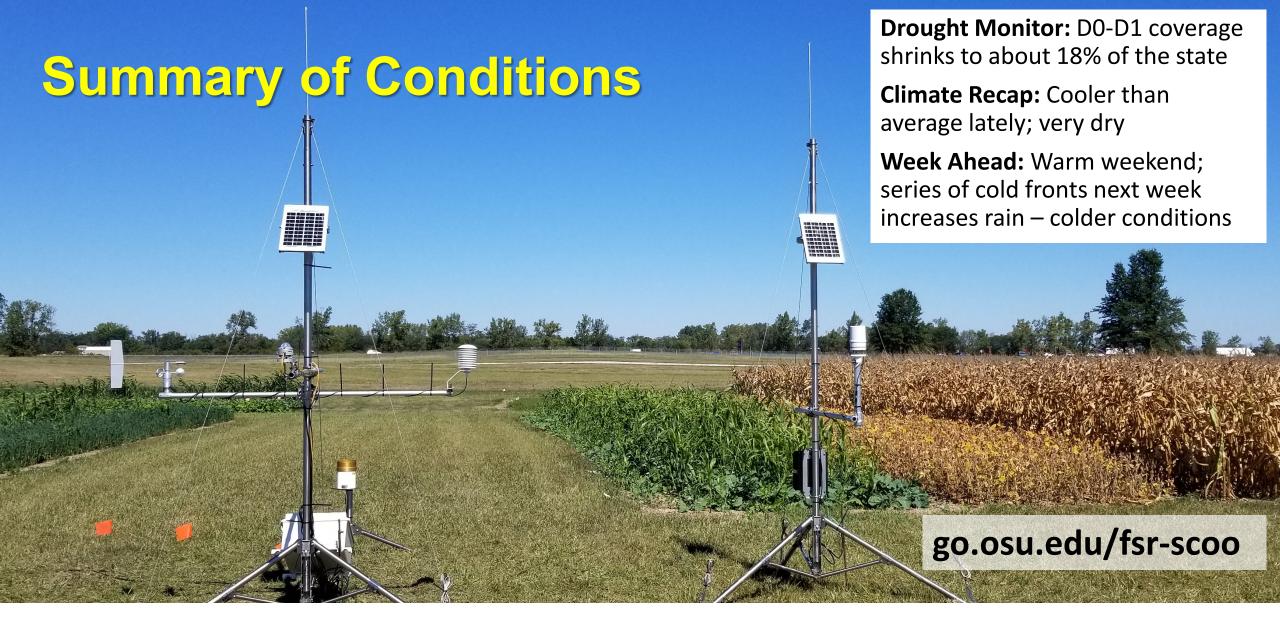






**Photo Credit: Elizabeth Hawkins** 







## **Partners and Additional Information**

- SCOO's Website: <a href="https://climate.osu.edu">https://climate.osu.edu</a>
- NOAA's National Climatic Data Center: www.ncdc.noaa.gov
  - Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate <u>Hub: https://www.climatehubs.oce.usda.gov/hubs/midwest</u>
- Climate Portal: www.climate.gov
- U.S. Drought Portal: <u>www.drought.gov</u>
- National Drought Mitigation Center: <a href="https://drought.unl.edu/">https://drought.unl.edu/</a>
- Midwest Regional Climate Center: https://mrcc.isws.illinois.edu
- Community Collaborative Rain Snow Hail Network (CoCoRaHS): <a href="https://cocorahs.org">https://cocorahs.org</a>
- Song: "Blue Creek Trail" by Dan Lebowitz

#### **Photo Courtesy of Toni Custer**



Aaron B. Wilson
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