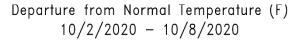
# Ohio's Climate Assessment October 9, 2020

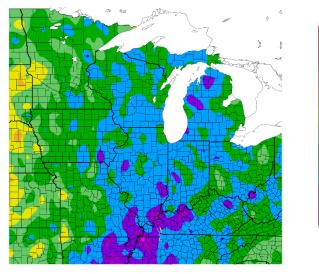


Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO) DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

**Photo Courtesy of Kat Bledsoe** 

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



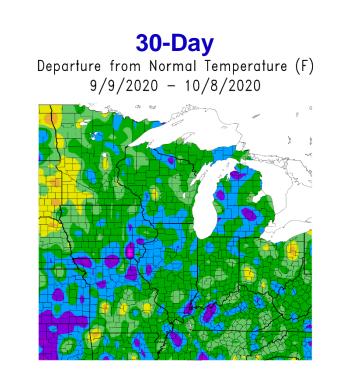


Generated 10/9/2020 at HPRCC using provisional data.

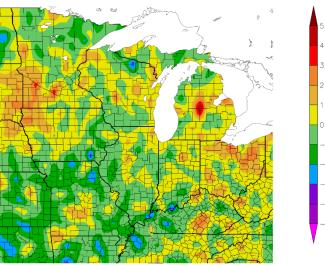
NOAA Regional Climate Centers

7-Day





Departure from Normal Temperature (F) 8/10/2020 - 10/8/2020



**60-Day** 

nerated 10/9/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

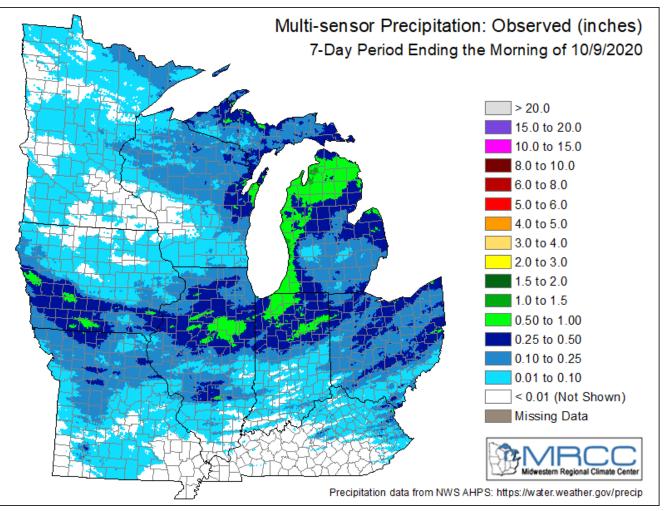
Generated 10/9/2020 at HPRCC using provisional data.

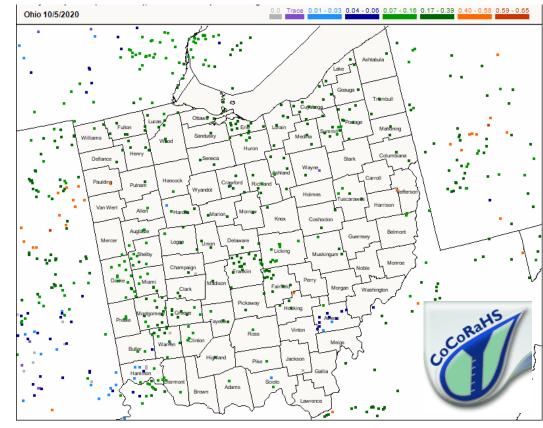
NOAA Regional Climate Centers

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 (%) 10/2/2020 - 10/8/2020

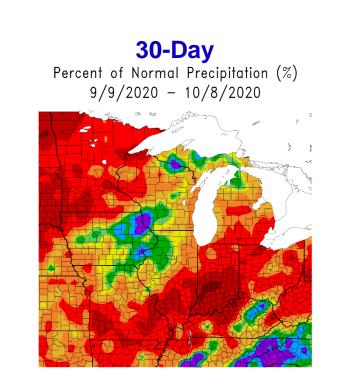
Generated 10/9/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

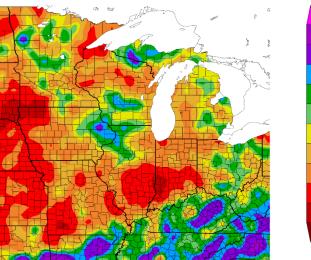
200

7-Day





Percent of Normal Precipitation (%) 8/10/2020 - 10/8/2020



**60-Day** 

nerated 10/9/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

150

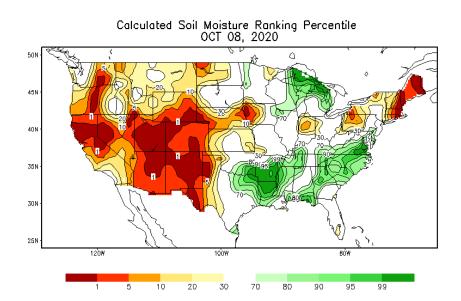
130

Generated 10/9/2020 at HPRCC using provisional data.

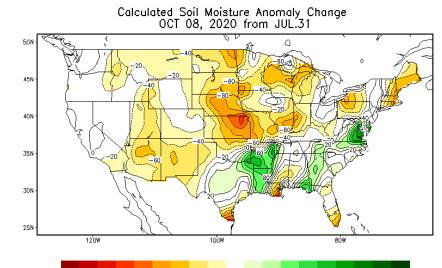
NOAA Regional Climate Centers

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





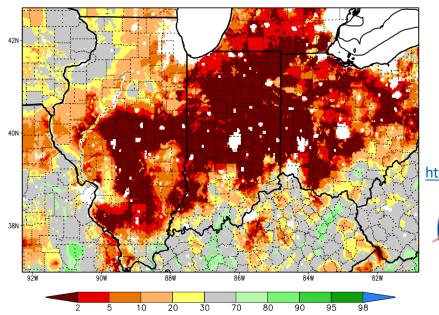
#### **Soil Moisture**



<sup>-180-160-140-120-100-80 -60 -40 -20 20 40 60 80 100 120 140 160 180</sup> 



https://www.cpc.ncep.noaa.gov/products/Soi Imst\_Monitoring/US/Soilmst/Soilmst.shtml# SPoRT-LIS 0-2 m RSM percentile valid 09 Oct 2020

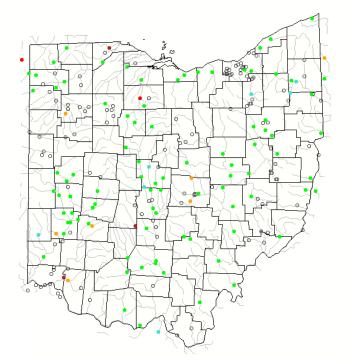


https://weather.msfc.nasa.gov/sport/case\_studies/lis\_IN.html





#### 7-DAY

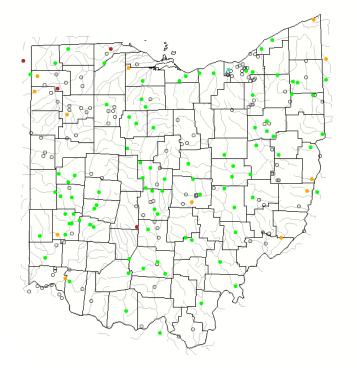


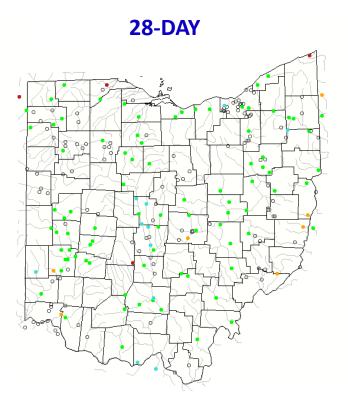
Explanation - Percentile classes							
•		•				•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

#### **USGS Stream Flow**

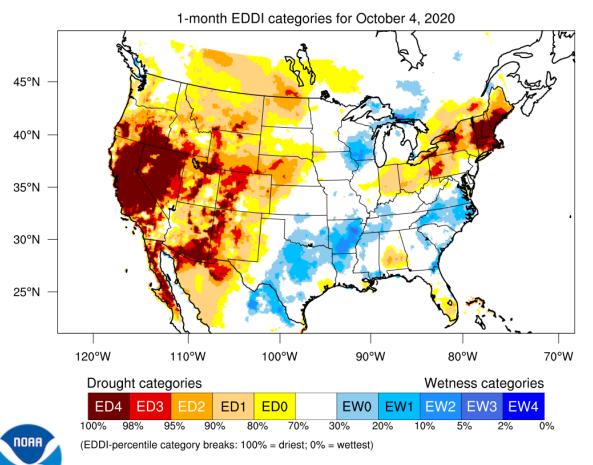
**14-DAY** 



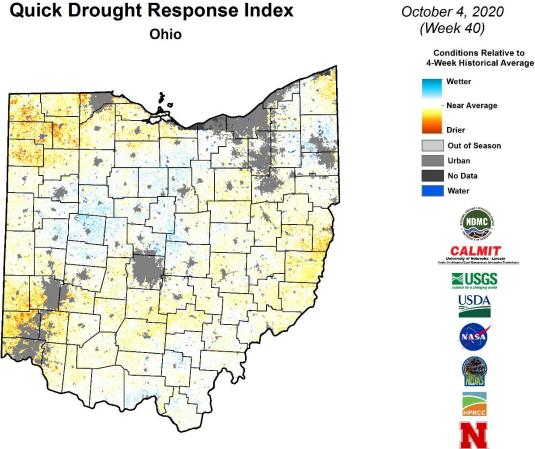




#### **Moisture Demand**



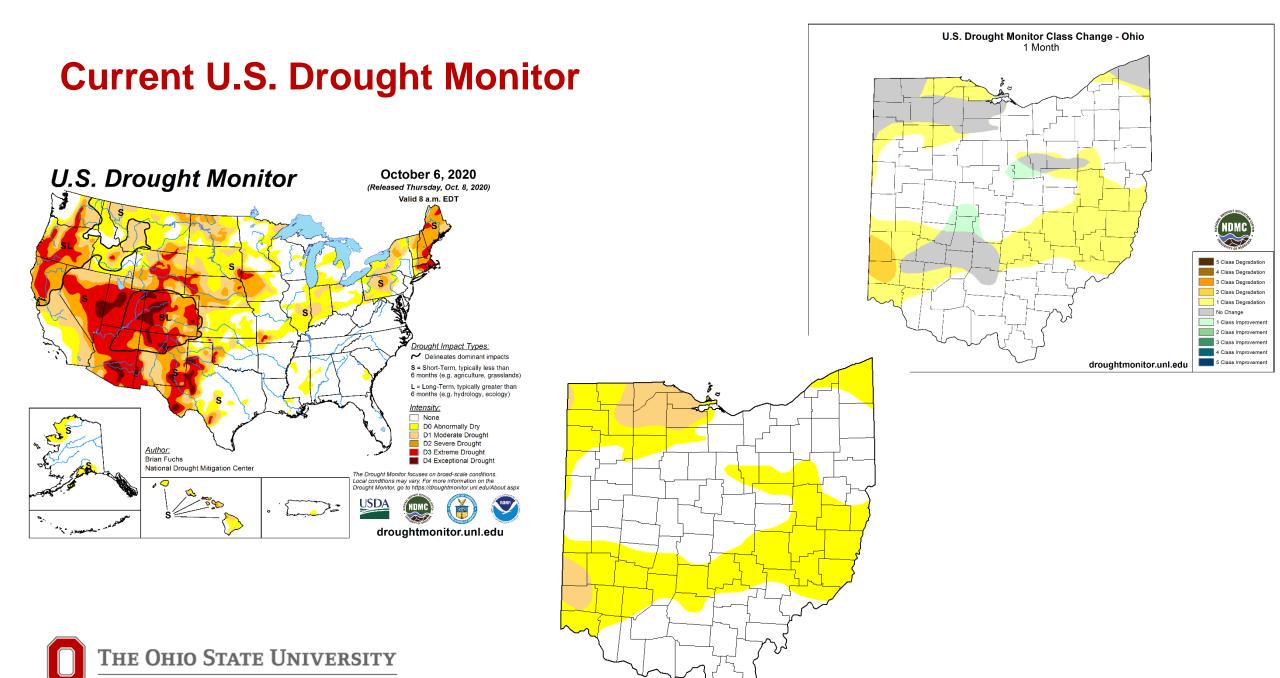
Generated by NOAA/ESRL/Physical Sciences Laboratory



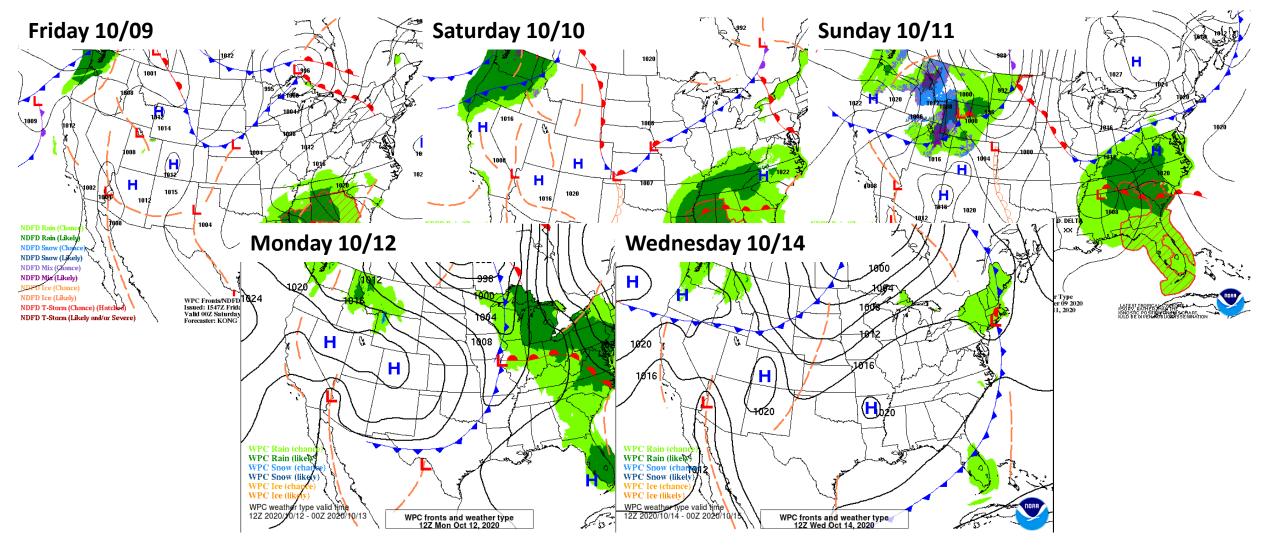
https://quickdri.unl.edu/State.aspx?OH







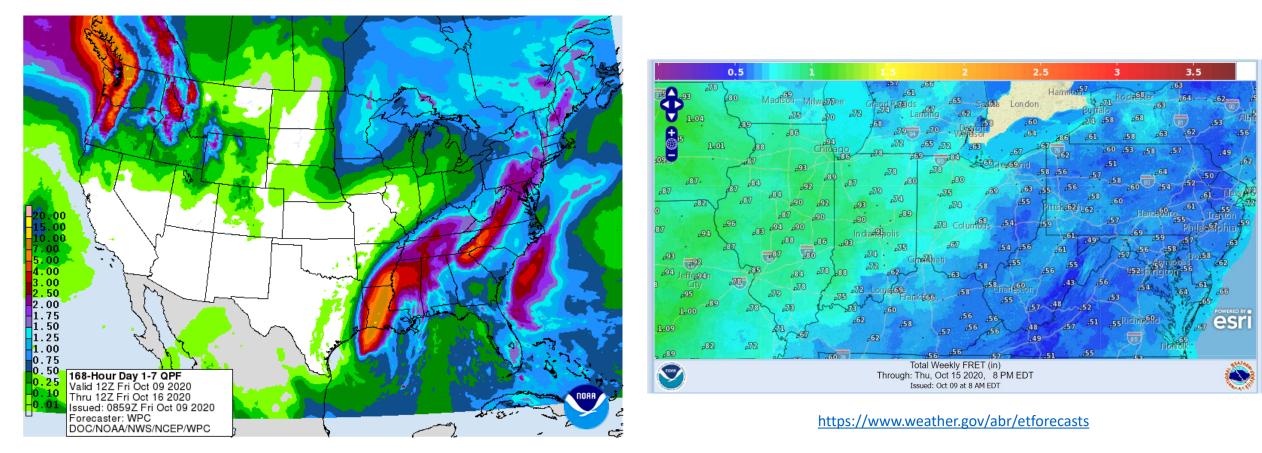
## Weather for the Week Ahead





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

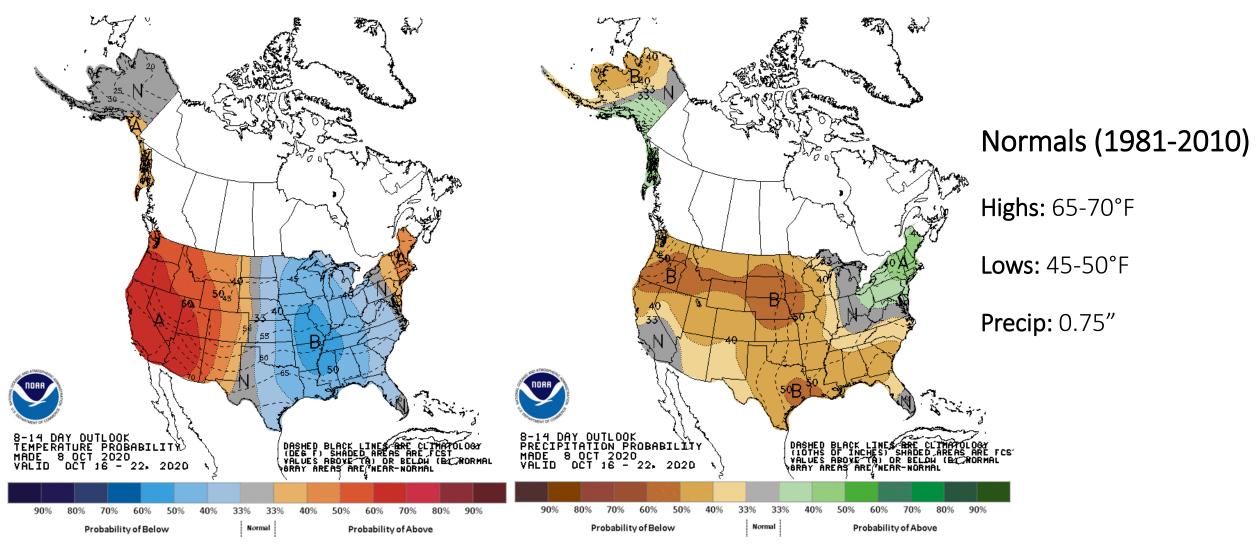
## **7-Day Precipitation/Evaporation Forecast**



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

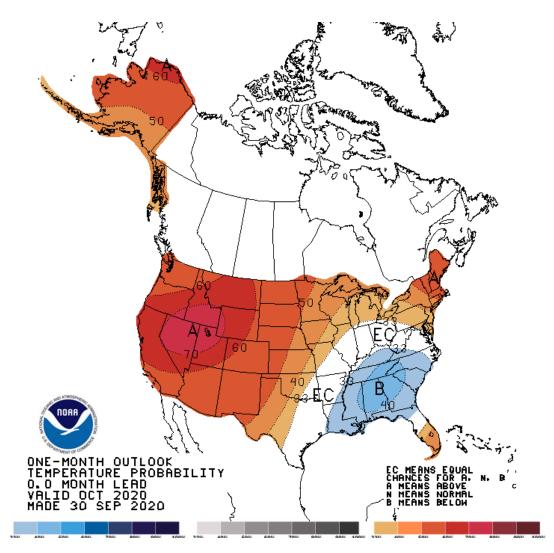


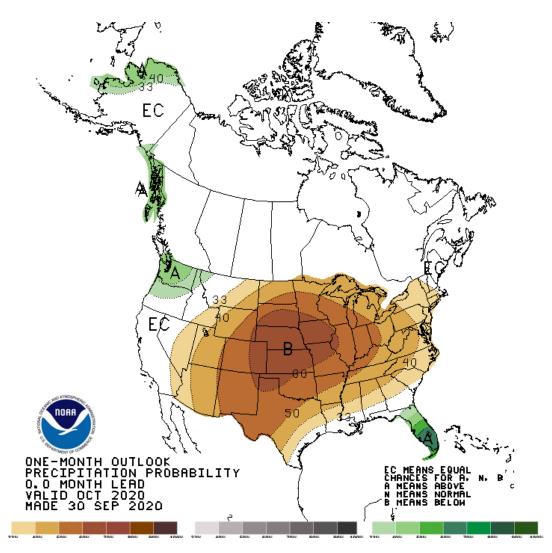
## 8-14 Day Outlook





### **October Outlook**

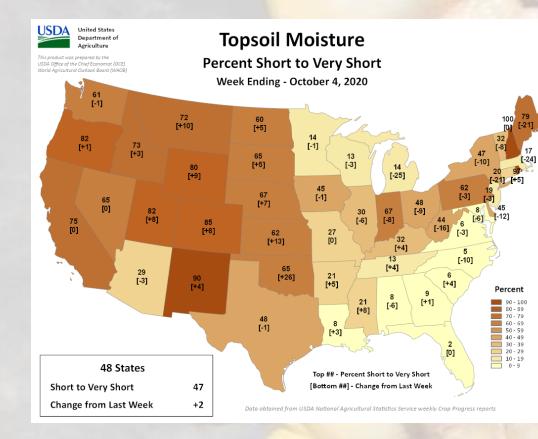




THE OHIO STATE UNIVERSITY

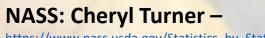
## **Ag Highlights**

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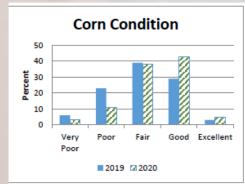


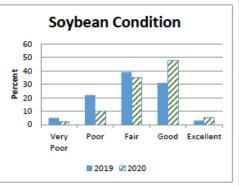
# 4.7 suitable days for fieldwork ending Oct. 4

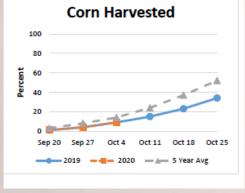
- Harvested corn and soybeans and planted wheat
- Harvest behind 5yr average



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







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Photo Credit: Elizabeth Hawkins



## Summary of Conditions

Photo Courtesy of Kat Bledsoe

**Drought Monitor:** D0-D1 coverage has expanded to about 43% of the state

**Climate Recap:** Cooler than average lately; very dry

Week Ahead: Damp, warm weekend; Cooler and dry conditions resume next week



## **Partners and Additional Information**

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

**Photo Courtesy of Toni Custer** 



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