



#### Aaron B. Wilson

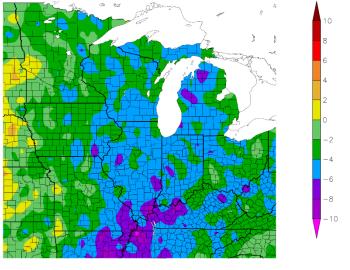
STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES
BYRD POLAR & CLIMATE RESEARCH CENTER

DEPARTMENT OF GEOGRAPHY

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





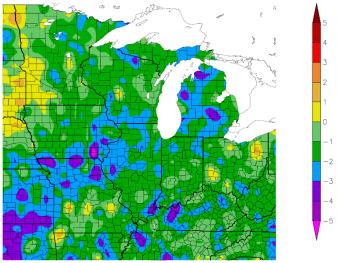
NOAA Regional Climate Centers

7-Day

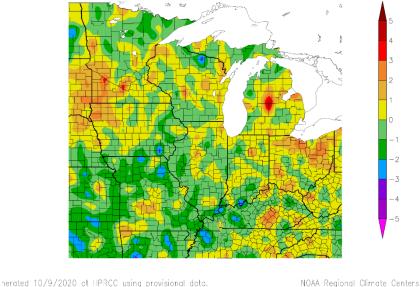
Generated 10/9/2020 at HPRCC using provisional data.



30-Day Departure from Normal Temperature (F) 9/9/2020 - 10/8/2020



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



60-Day

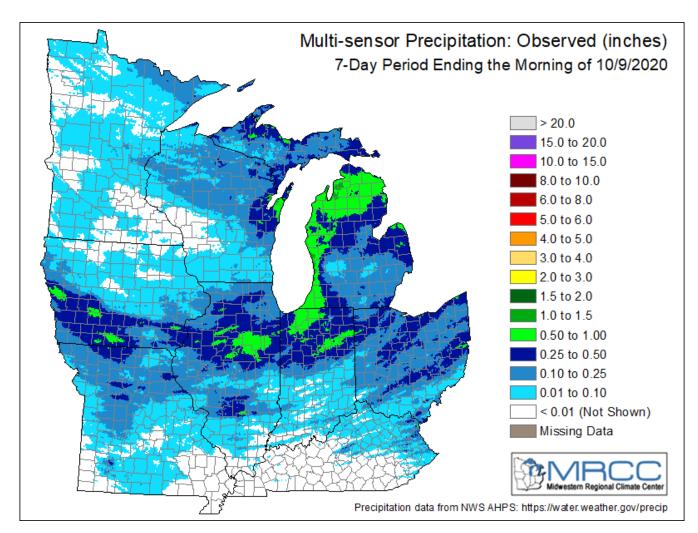
Generated 10/9/2020 at HPRCC using provisional data.

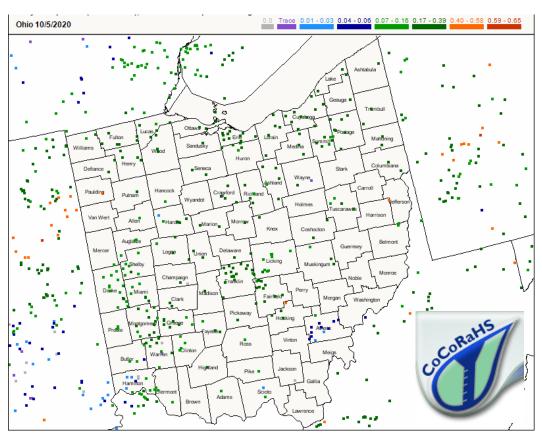
NOAA Regional Climate Centers

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



### This Week's Precipitation



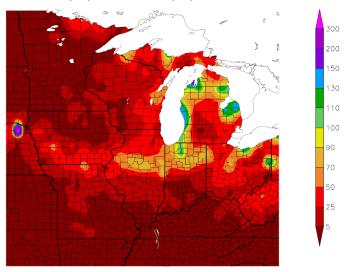


https://www.cocorahs.org/



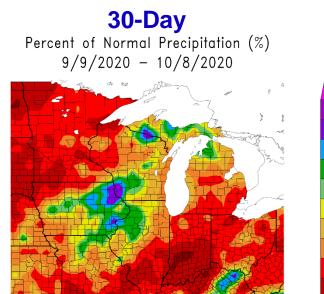
### **Precipitation Differences Compared to Average (1981-2010)**

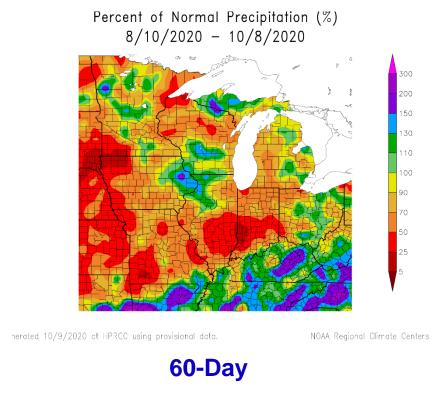
Percent of Normal Precipitation (%) 10/2/2020 - 10/8/2020



Generated 10/9/2020 at HPRCC using provisional data. NOAA Regional Climate Centers

7-Day







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

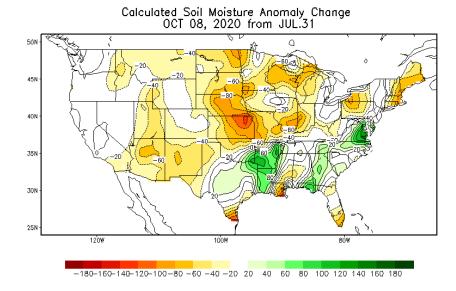
NOAA Regional Climate Centers

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



# Calculated Soil Moisture Ranking Percentile OCT 08, 2020 50N 45N 40N 35N 30N 120W 100W 80W

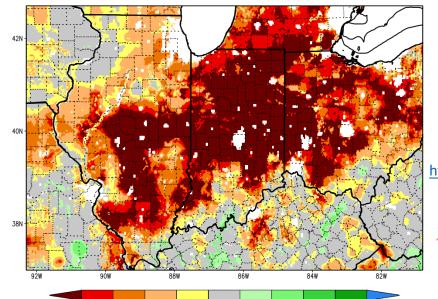
### **Soil Moisture**



SPoRT-LIS 0-2 m RSM percentile valid 09 Oct 2020

NORR

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

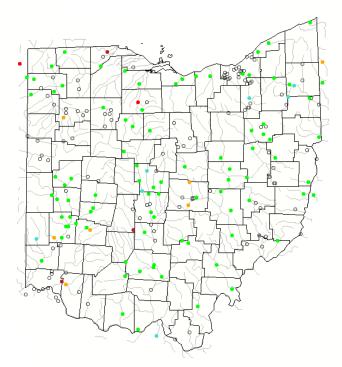


https://weather.msfc.nasa.gov/sport/case studies/lis IN.html





### 7-DAY

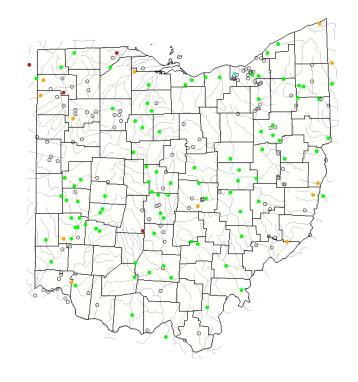


| Explanation - Percentile classes |                      |                 |        |                 |                      |      |            |
|----------------------------------|----------------------|-----------------|--------|-----------------|----------------------|------|------------|
| • 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

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

### **USGS Stream Flow**

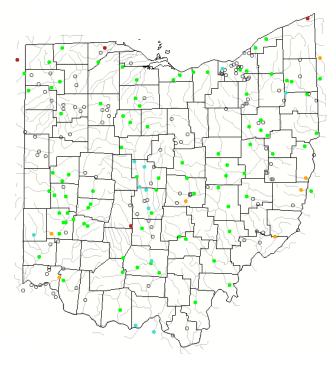
**14-DAY** 





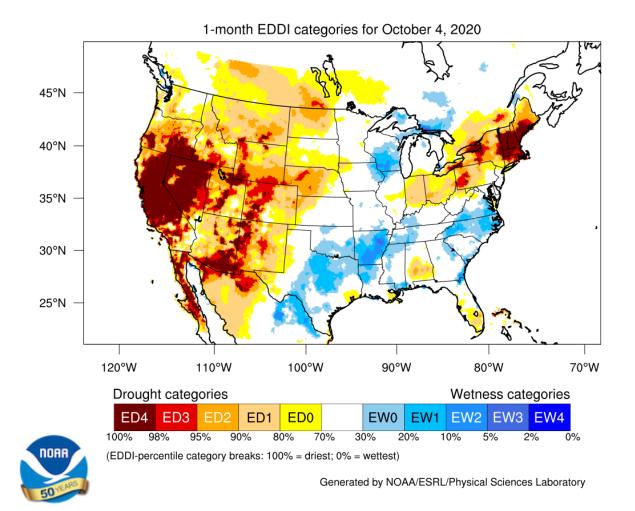
https://waterwatch.usgs.gov/index.php

### **28-DAY**





### **Moisture Demand**



# **Quick Drought Response Index** Ohio

https://quickdri.unl.edu/Home/StateQuickDRI.aspx?OH

October 4, 2020

(Week 40)

Wetter

Near Average

Water

Conditions Relative to 4-Week Historical Average

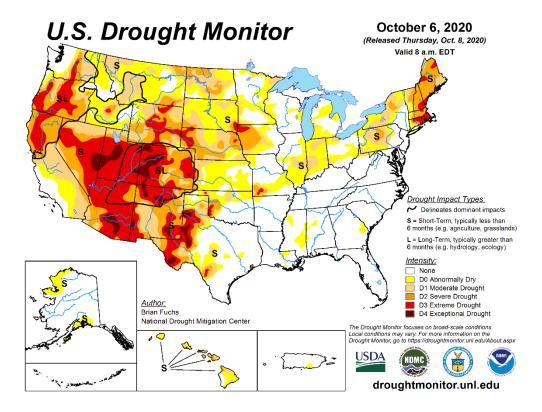
> Out of Season Urban No Data

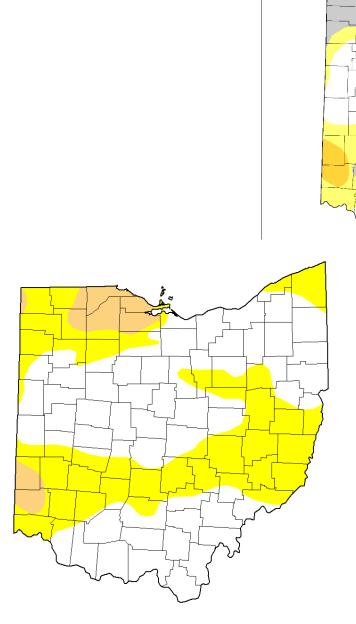
CALMIT University of Nebraska - Lince for Atlanted Land Research to Lince WUSGS

**USDA** 



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





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

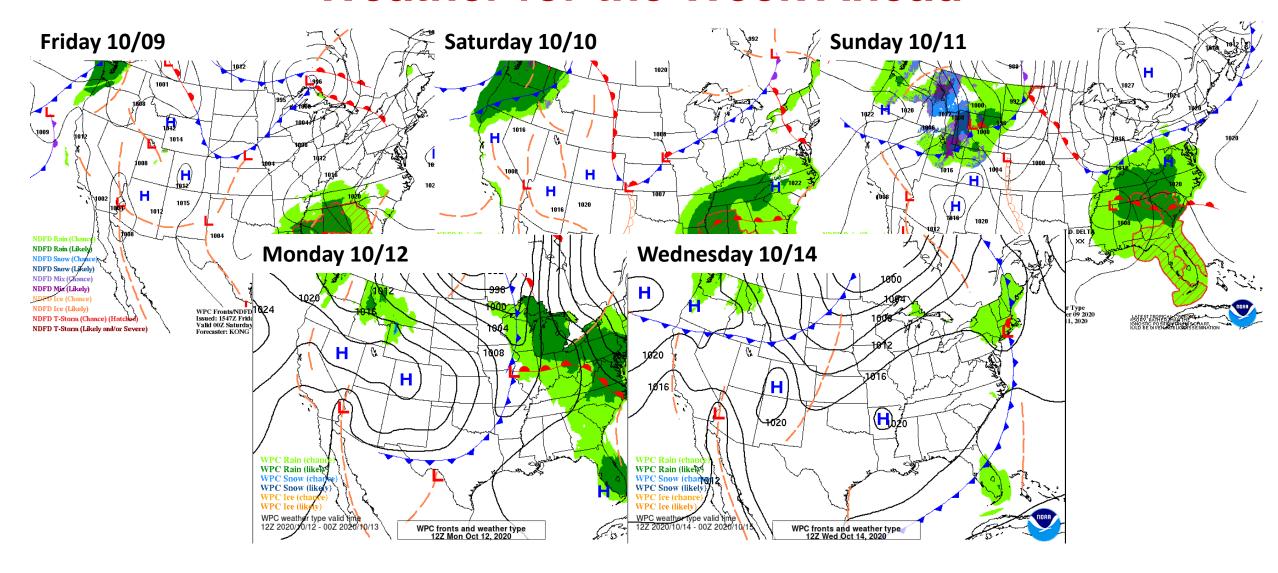
4 Class Degradation
3 Class Degradation
2 Class Degradation
1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement
3 Class Improvement

4 Class Improvement

droughtmonitor.unl.edu

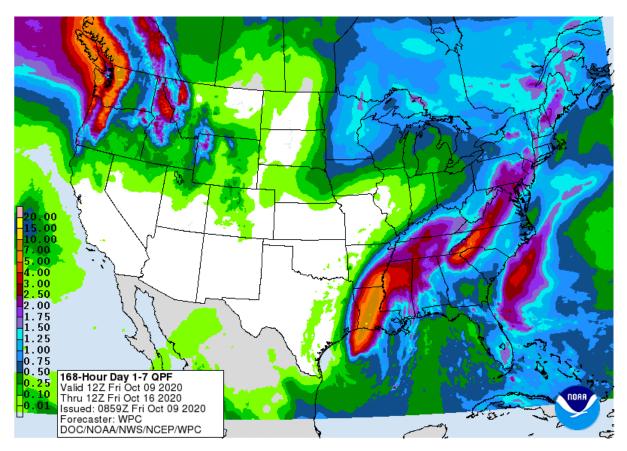


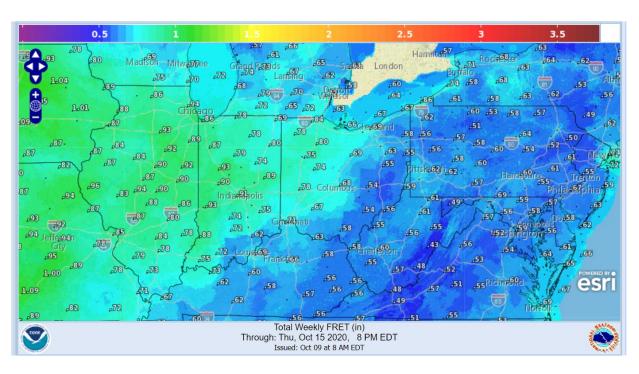
### Weather for the Week Ahead





# 7-Day Precipitation/Evaporation Forecast



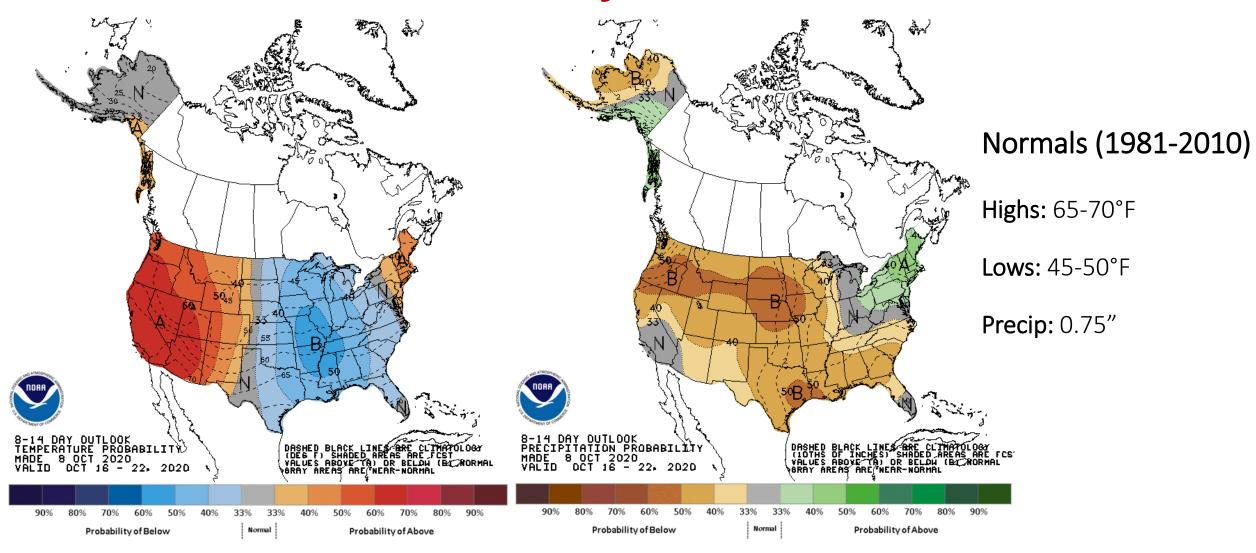


https://www.weather.gov/abr/etforecasts

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

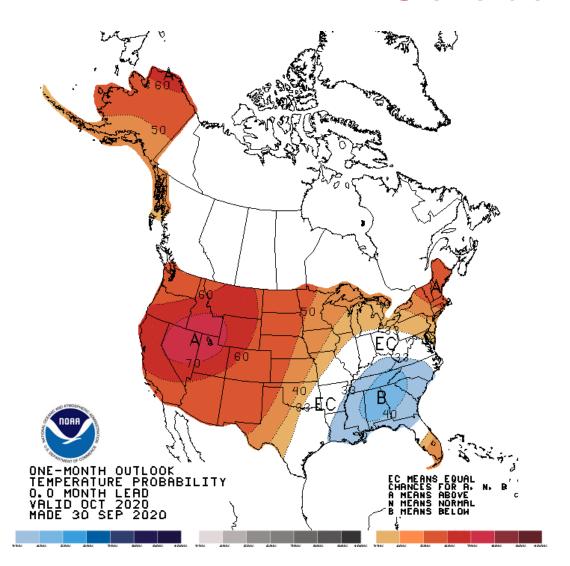


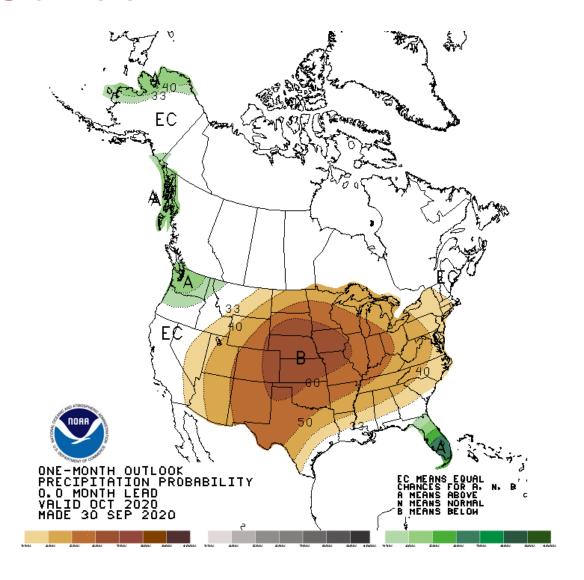
# 8-14 Day Outlook



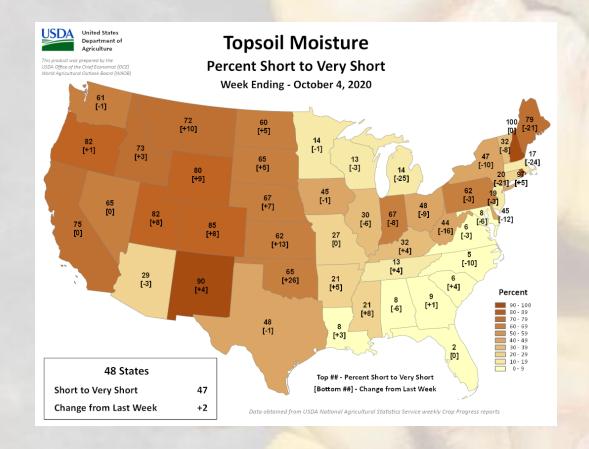


### **October Outlook**





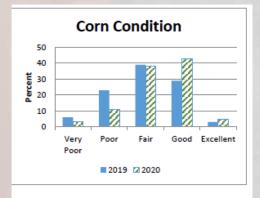
# **Ag Highlights**

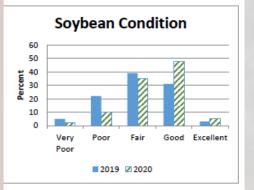


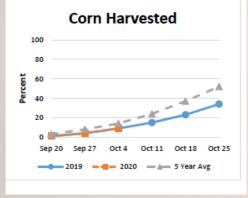
- 4.7 suitable days for fieldwork ending Oct. 4
- Harvested corn and soybeans and planted wheat
- Harvest behind 5yr average

### NASS: Cheryl Turner –

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







**Photo Credit: Elizabeth Hawkins** 



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### **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 Hub: <a href="https://www.climatehubs.oce.usda.gov/hubs/midwest">https://www.climatehubs.oce.usda.gov/hubs/midwest</a>
- 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: <a href="https://mrcc.isws.illinois.edu">https://mrcc.isws.illinois.edu</a>
- 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** 

