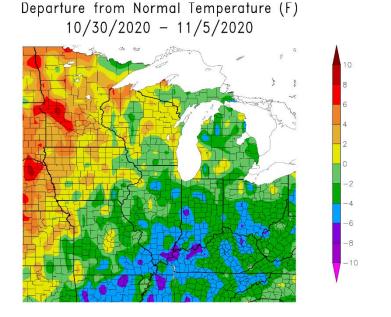




### Aaron B. Wilson

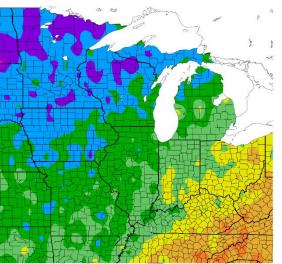
STATE CLIMATE OFFICE OF OHIO (SCOO)
DEPARTMENT OF EXTENSION - CFAES
BYRD POLAR & CLIMATE RESEARCH CENTER
DEPARTMENT OF GEOGRAPHY

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



NOAA Regional Climate Centers

30-Day
Departure from Normal Temperature (F)
10/4/2020 - 11/2/2020



Departure from Normal Temperature (F) 9/7/2020 - 11/5/2020



60-Day

7-Day

Generated 11/6/2020 at HPRCC using provisional data.



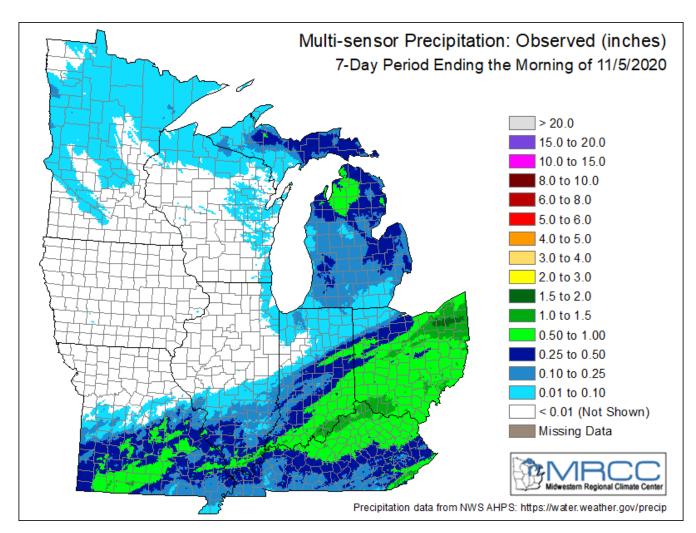
Generated 11/3/2020 at HPRCC using provisional data.

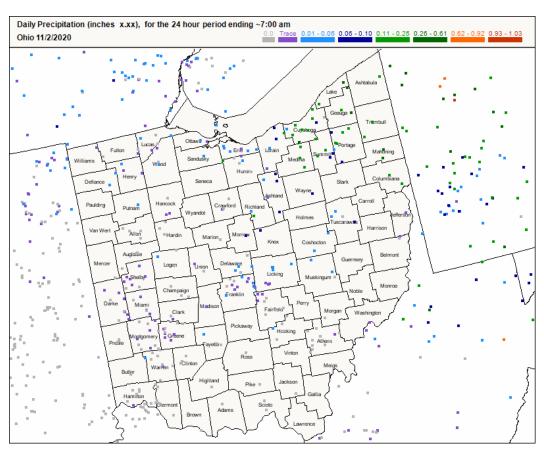
NOAA Regional Climate Centers

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



### This Week's Precipitation



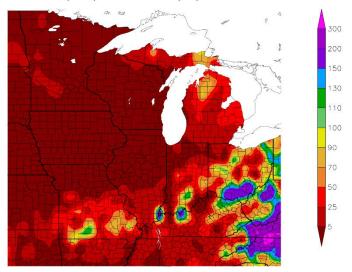


https://www.cocorahs.org/



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

Percent of Normal Precipitation (%) 10/30/2020 - 11/5/2020



Generated 11/6/2020 at HPRCC using provisional data.

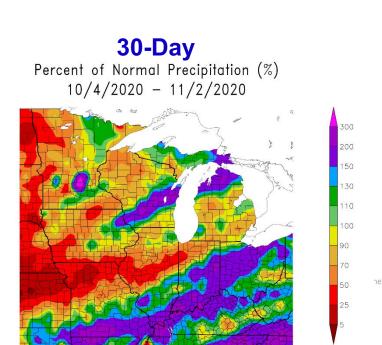
NOAA Regional Climate Centers

7-Day

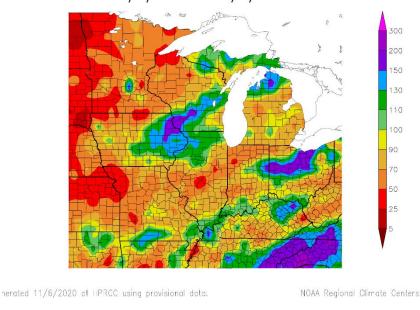


Generated 11/3/2020 at HPRCC using provisional data. NOAA Regional Climate Centers

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



Percent of Normal Precipitation (%) 9/7/2020 - 11/5/2020

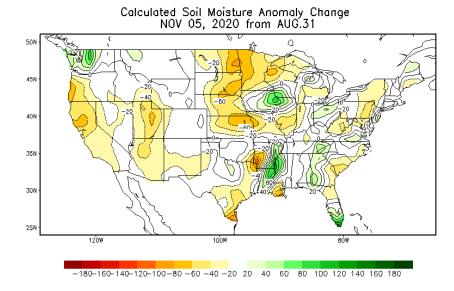


60-Day



# Calculated Soil Moisture Ranking Percentile NOV 05, 2020 50N 45N 40N 35N 120W 100W 80W

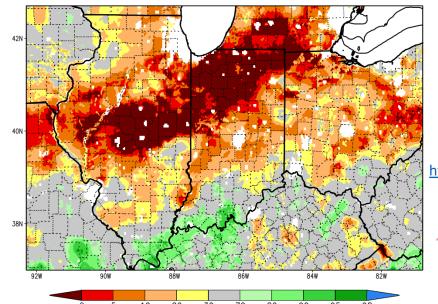
### **Soil Moisture**



SPoRT-LIS 0-2 m RSM percentile valid 06 Nov 2020

NORA

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





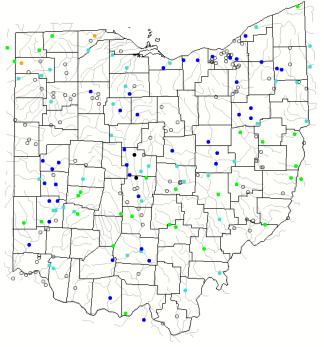
# 7-DAY

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		

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

### **USGS Stream Flow**





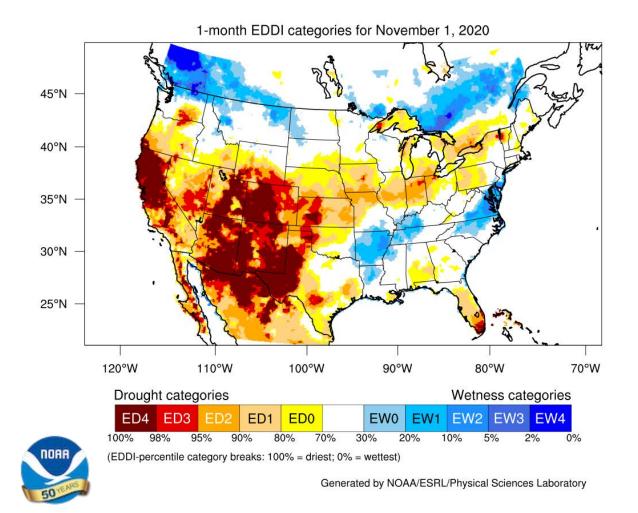


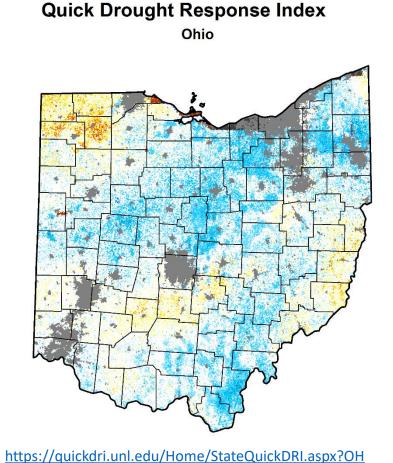
https://waterwatch.usgs.gov/index.php

**28-DAY** 



### **Moisture Demand**

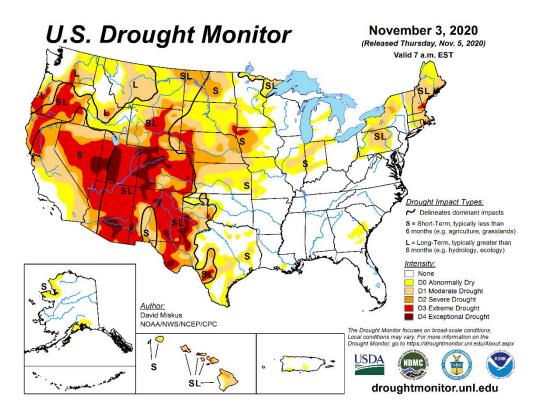


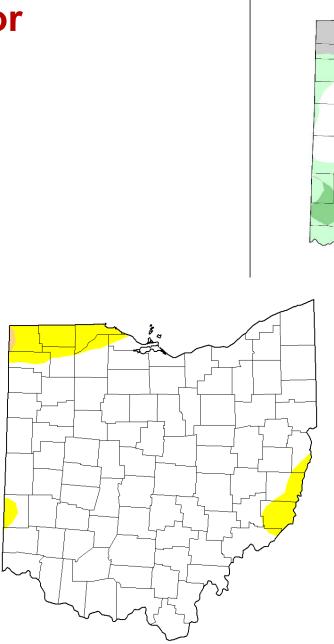






### **Current U.S. Drought Monitor**





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

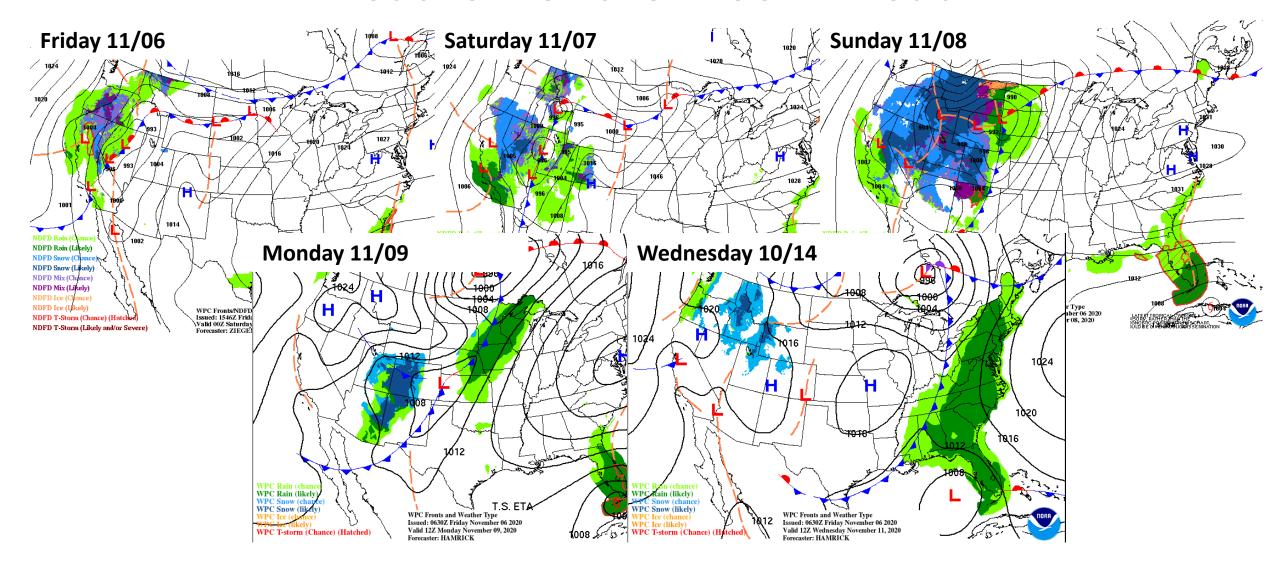
4 Class Improvement

5 Class Improvement

droughtmonitor.unl.edu

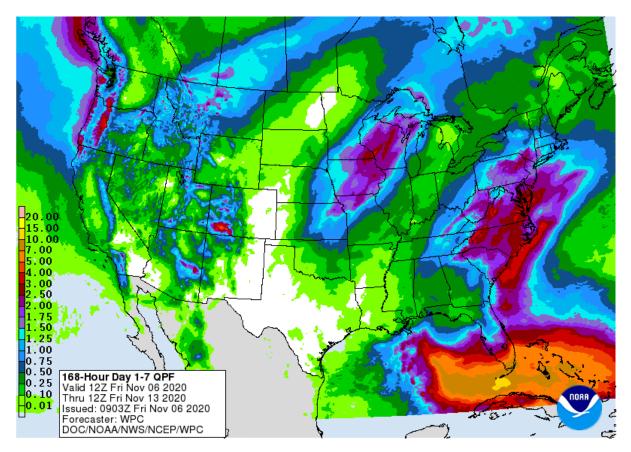


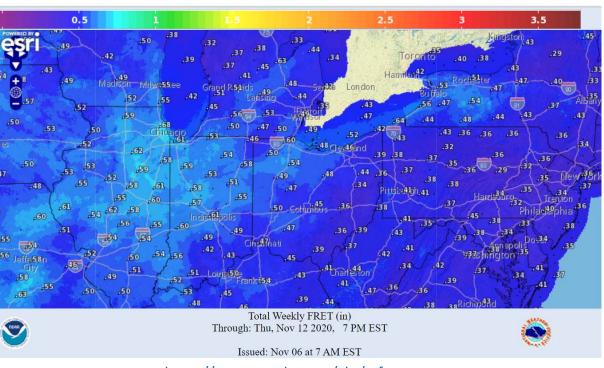
### Weather for the Week Ahead





## 7-Day Precipitation/Evaporation Forecast



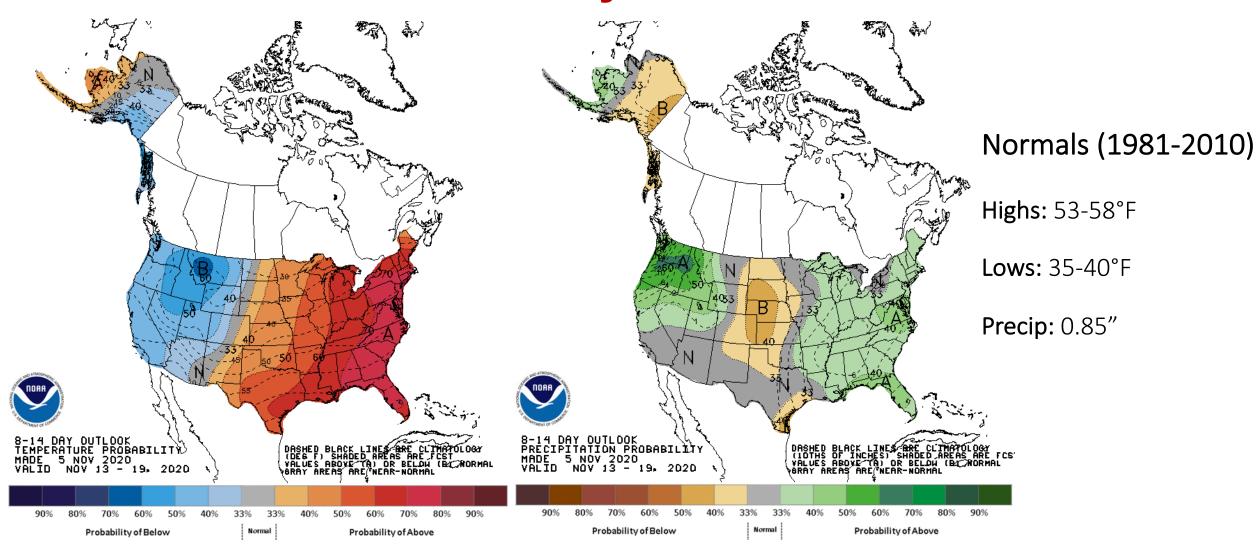


https://www.weather.gov/abr/etforecasts

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

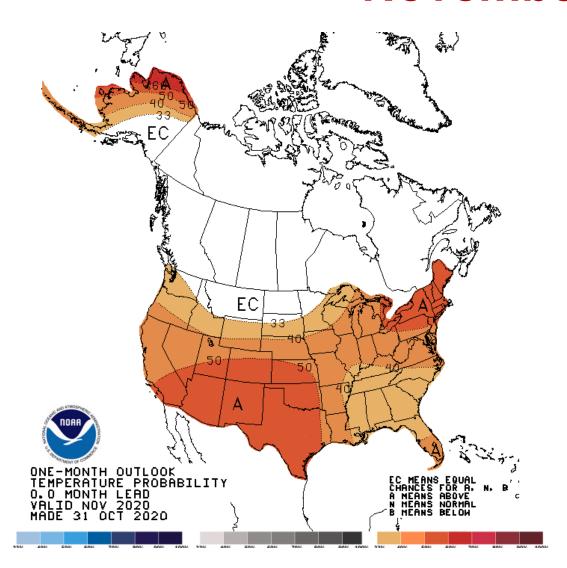


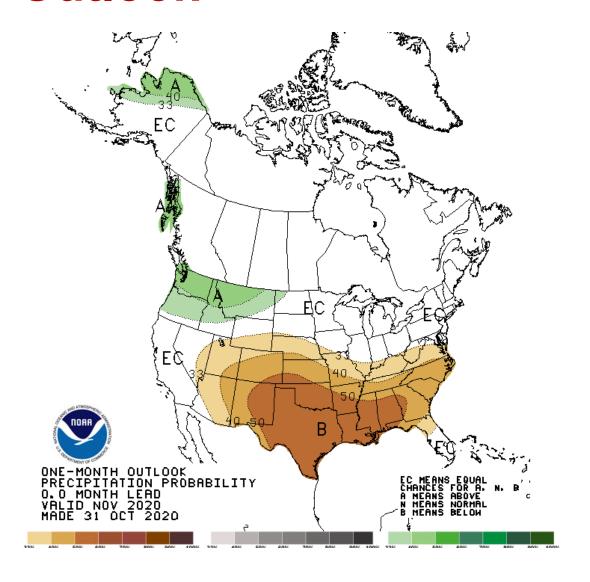
# 8-14 Day Outlook



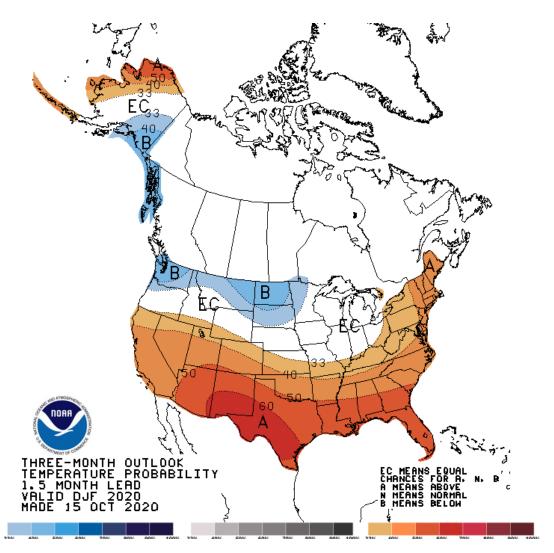


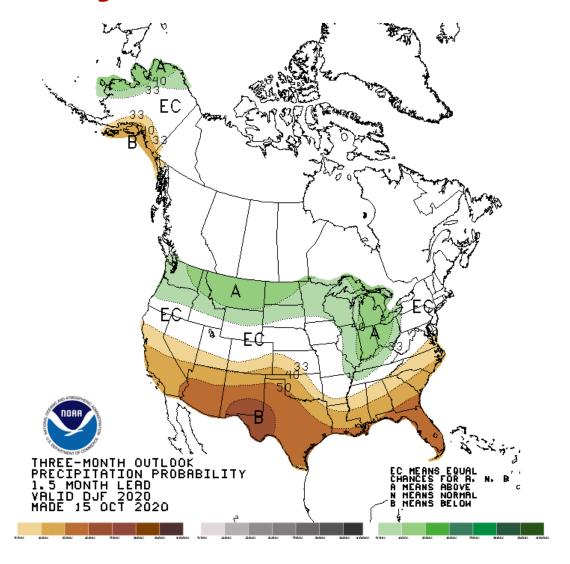
### **November Outlook**



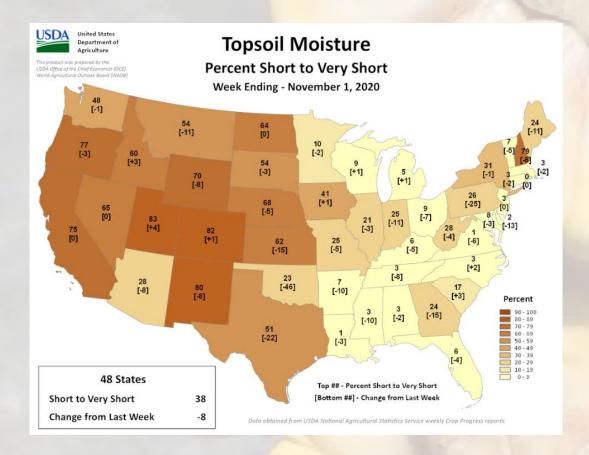


### **December – February Outlook**





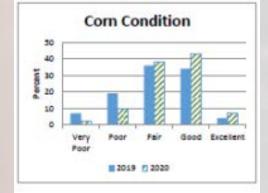
# **Ag Highlights**

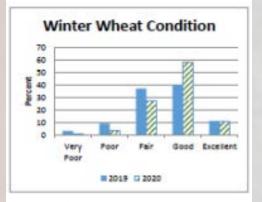


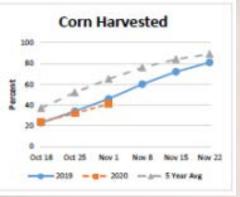
- 2.2 suitable days for fieldwork ending Nov. 1
- Harvest behind 5yr average
- Decent start for winter wheat

### NASS: Cheryl Turner –

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

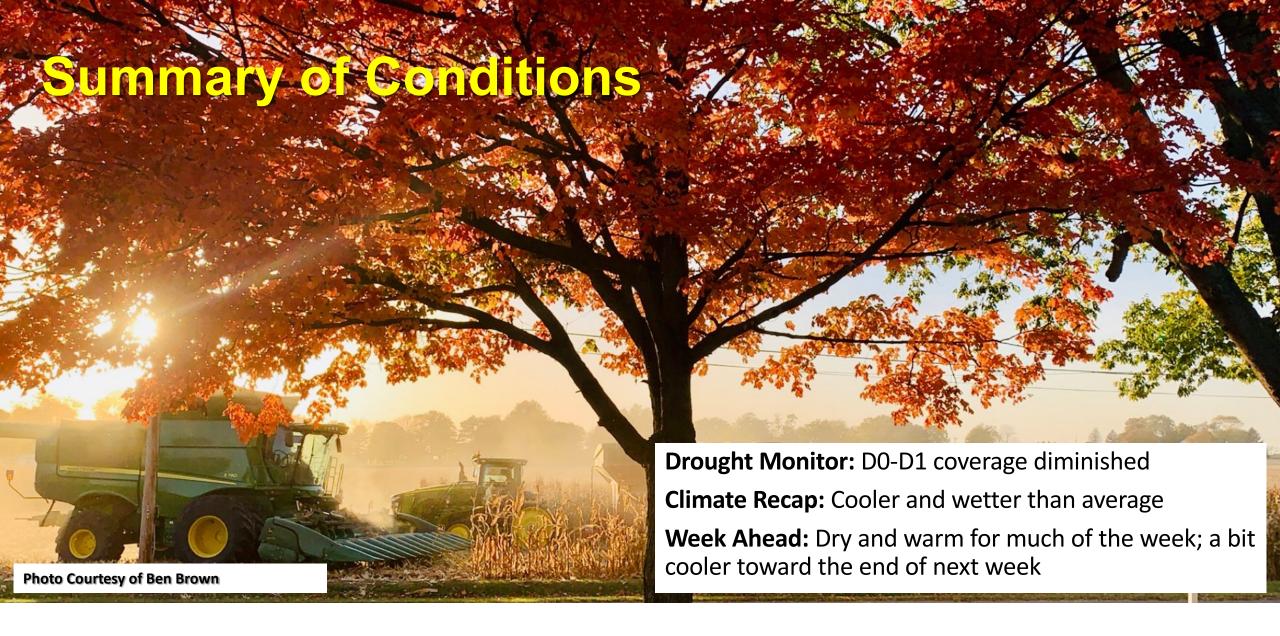






**Photo Credit: Elizabeth Hawkins** 







### **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 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: www.drought.gov
- 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 Ben Brown** 



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