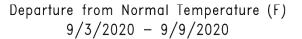
Ohio's Climate Assessment September 11, 2020

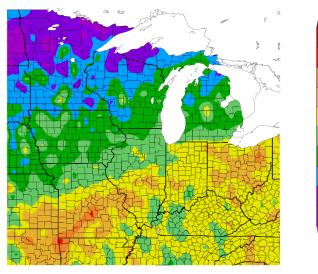
Photo Credit: David Marrison



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)





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

NOAA Regional Climate Centers

7-Day

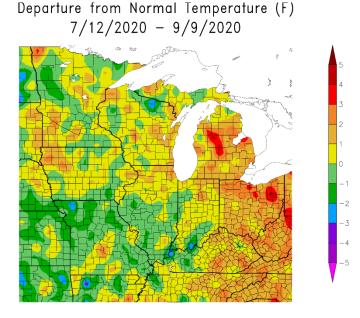


<text>

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

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

NOAA Regional Climate Centers



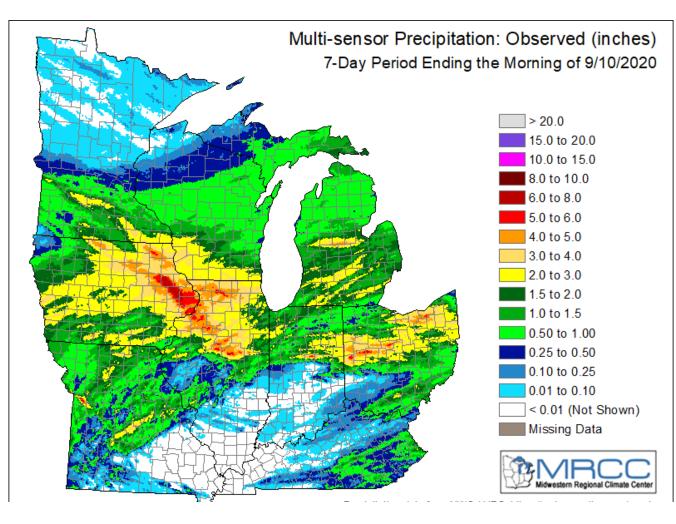
nerated 9/10/2020 at HPRCC using provisional data.

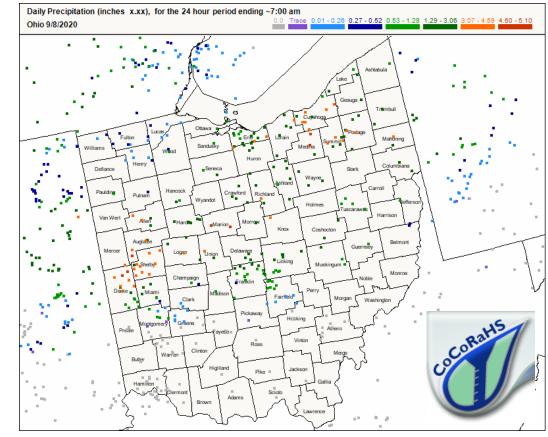
NOAA Regional Climate Centers

60-Day

THE OHIO STATE UNIVERSITY

This Week's Precipitation



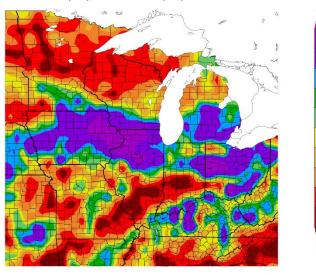


https://www.cocorahs.org/

THE OHIO STATE UNIVERSITY

Precipitation Differences Compared to Average (1981-2010)

Percent of Normal Precipitation (%) 9/3/2020 - 9/9/2020



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

NOAA Regional Climate Centers

800 400

50

25

7-Day



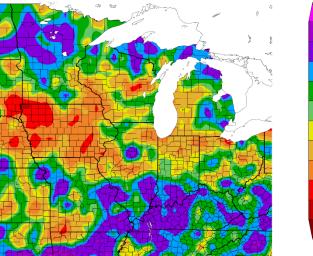
<text>

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

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

NOAA Regional Climate Centers

Percent of Normal Precipitation (%) 7/12/2020 - 9/9/2020



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

NOAA Regional Climate Centers

150

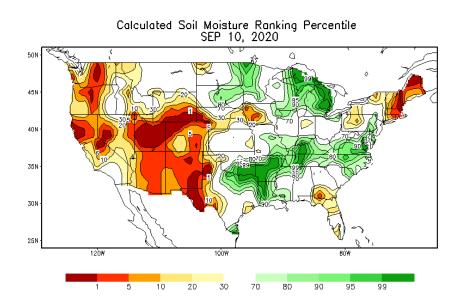
130

60-Day

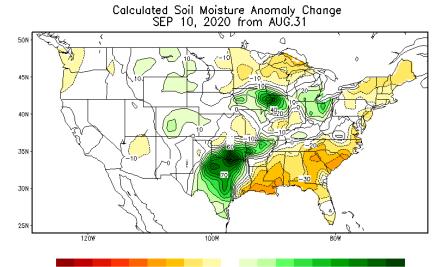
800 400

> 50 25





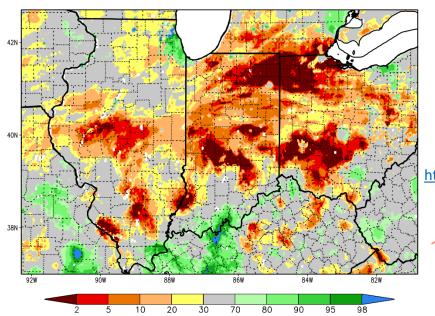
Soil Moisture



-90-80-70-60-50-40-30-20-10 10 20 30 40 50 60 70 80 90



https://www.cpc.ncep.noaa.gov/products/Soi Imst Monitoring/US/Soilmst/Soilmst.shtml# SPoRT-LIS 0-100 cm Soil Moisture percentile valid 11 Sep 2020

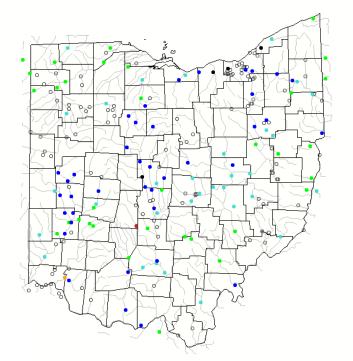


https://weather.msfc.nasa.gov/sport/case_studies/lis_IN.html





7-DAY

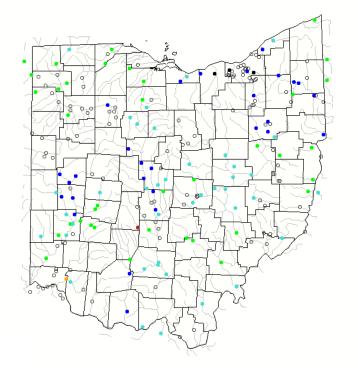


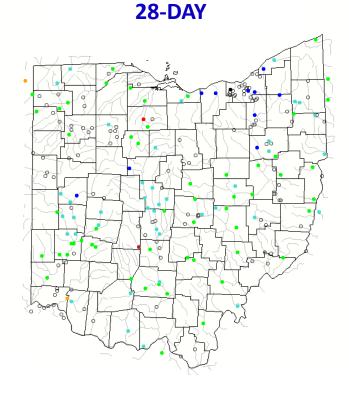
Explanation - Percentile classes							
•		•				•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

USGS Stream Flow

14-DAY



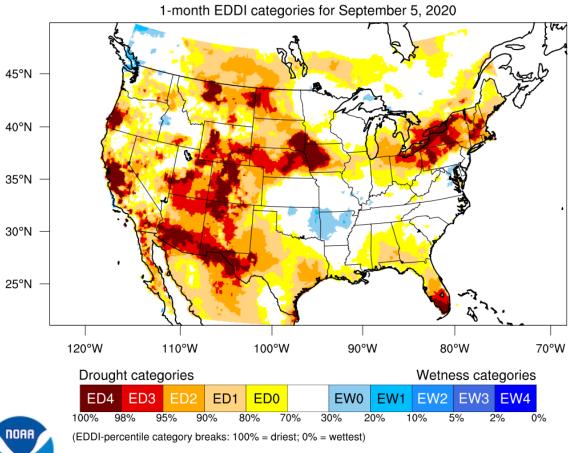




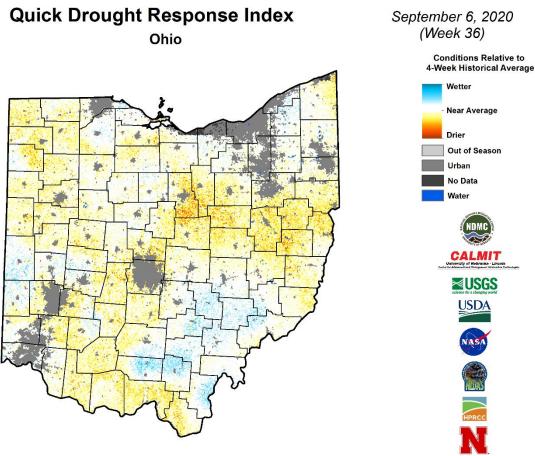
The Ohio State University

 $\underline{https://waterwatch.usgs.gov/index.php}$

Moisture Demand



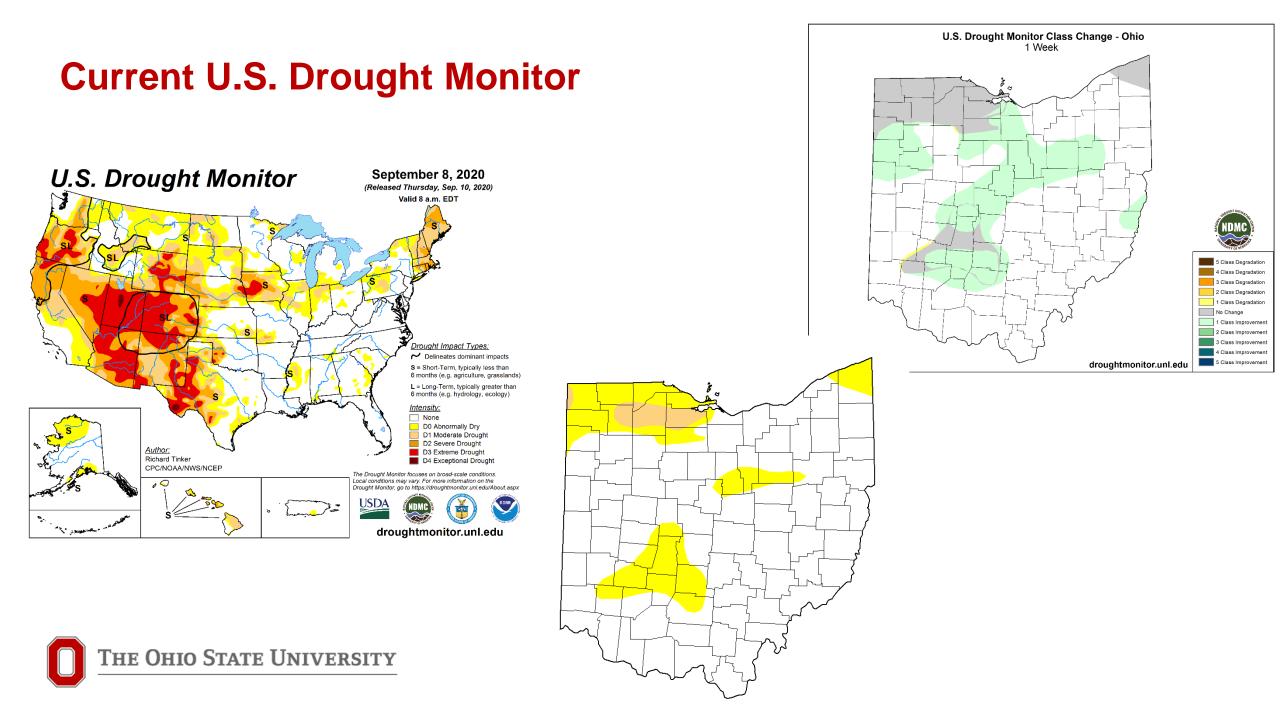




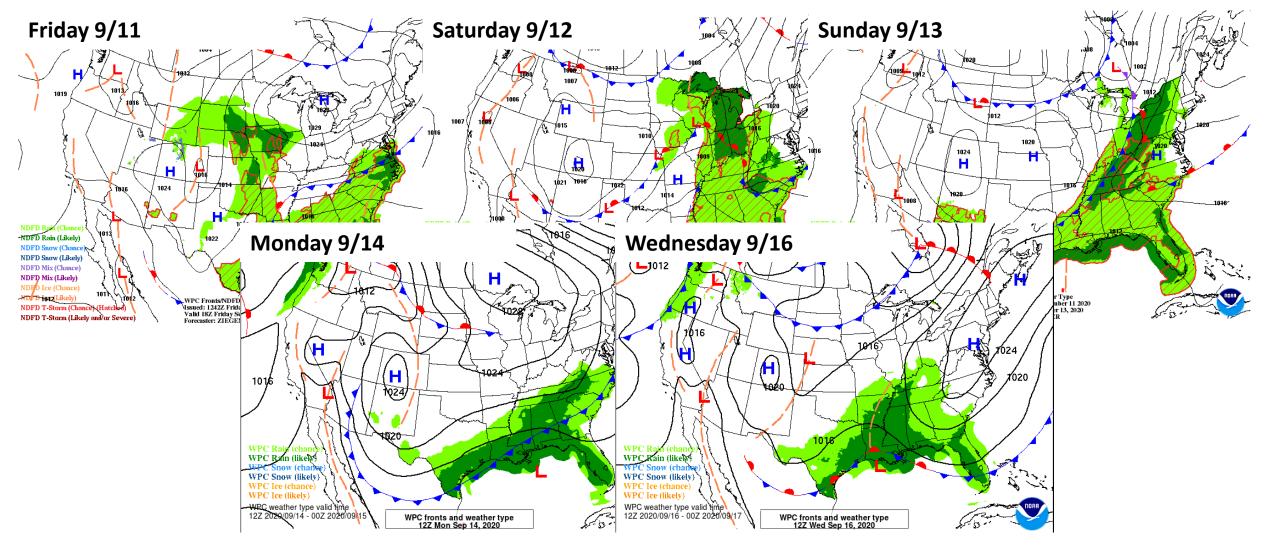
https://quickdri.unl.edu/State.aspx?OH

CALMIT University of Nebraska - Lincol **≥USGS** <u>USDA</u> NASA HPRCC N





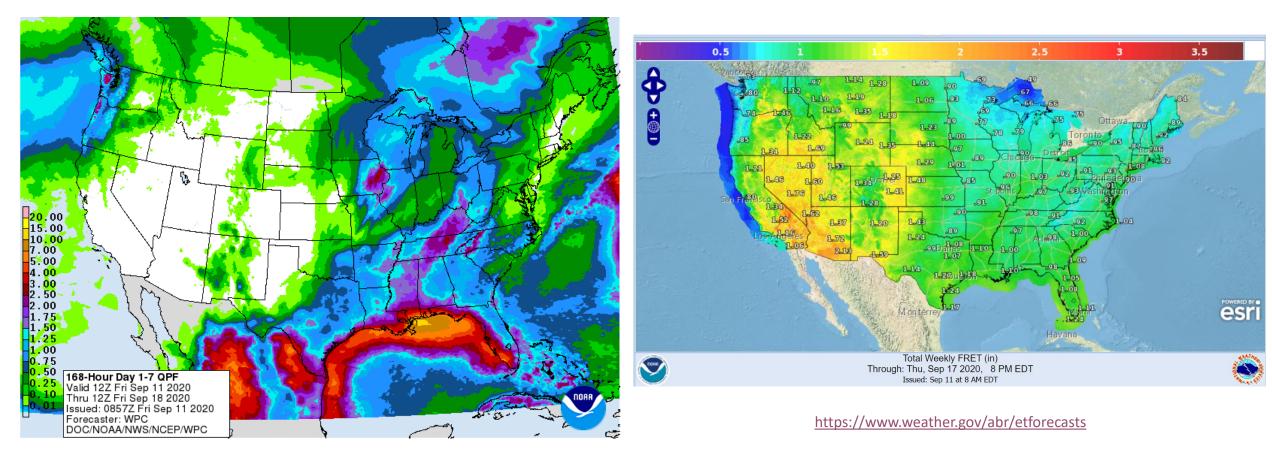
Weather for the Week Ahead





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

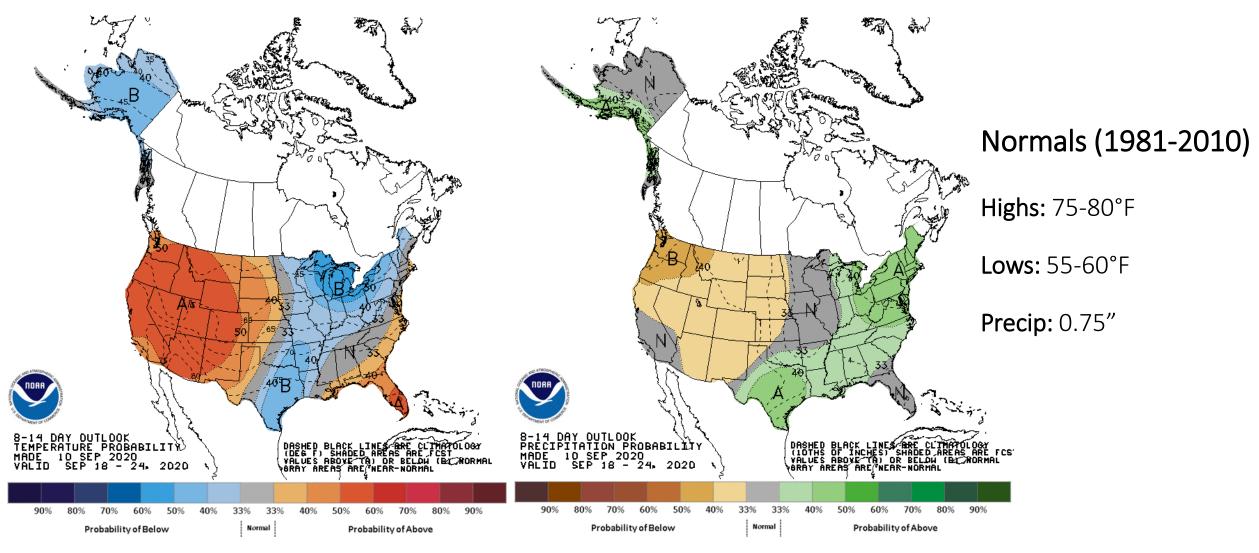
7-Day Precipitation/Evaporation Forecast



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



8-14 Day Outlook





Ag Highlights

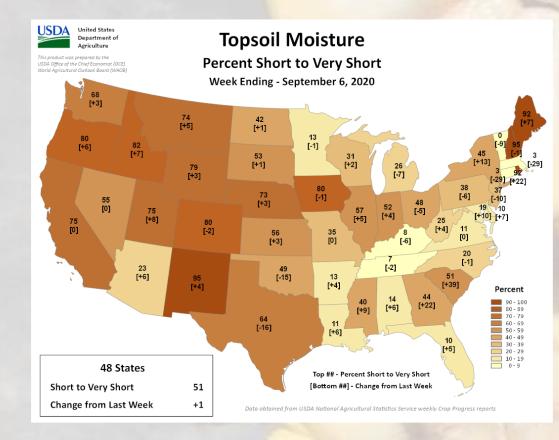


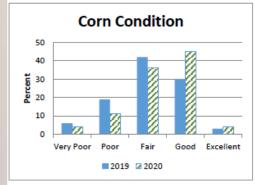
Photo Credit: Elizabeth Hawkins

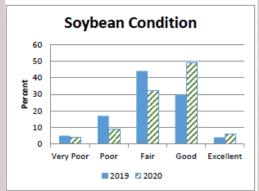


- 5.7 suitable days for fieldwork ending Sept. 6
- Crop stress from August dry weather still present
- Most crop conditions still fair to good and ahead of 5yr averages

NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics_by_State/Ohio/Publicati ons/Crop_Progress_&_Condition/2020/cw3220oh.pdf







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

Summary of Conditions

Drought Monitor: D0-D1 coverage shrinks to about 19% of the state

Climate Recap: Warmer than average; Labor Day event

Week Ahead: Warm with scattered storms this weekend; Drier and less humid to start next week

Photo Credit: David Marrison

The Ohio State University

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: "Wishful Thinking" by Dan Lebowitz



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