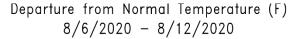
Hydrologic and Climate Assessment August 14, 2020

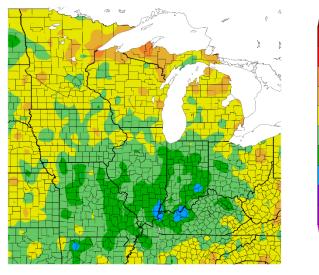


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ourtesy of Elizabeth Faw

Temperature Differences Compared to Average (1981-2010)



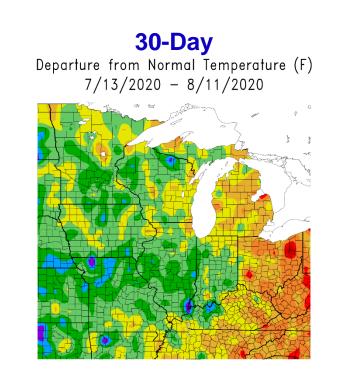


Generated 8/13/2020 at HPRCC using provisional data.

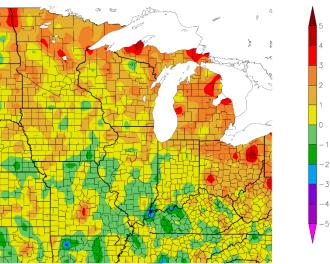
NOAA Regional Climate Centers

7-Day





Departure from Normal Temperature (F) 6/14/2020 - 8/12/2020



nerated 8/13/2020 ot HPRCC using provisional data.

NOAA Regional Climate Centers

60-Day

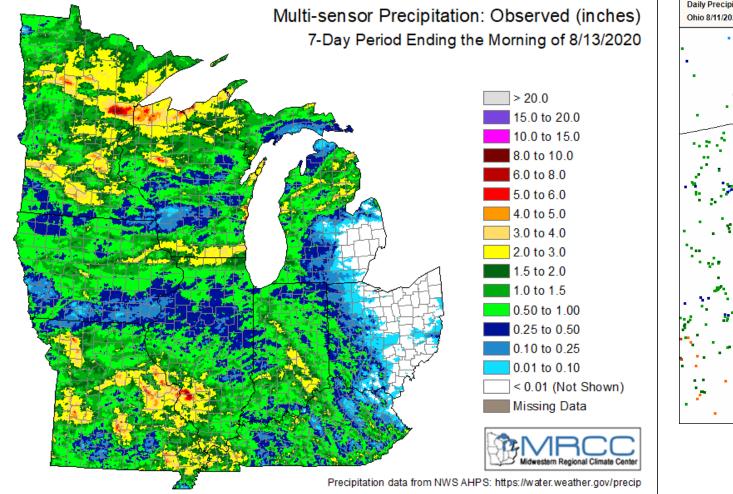
Generated 8/12/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

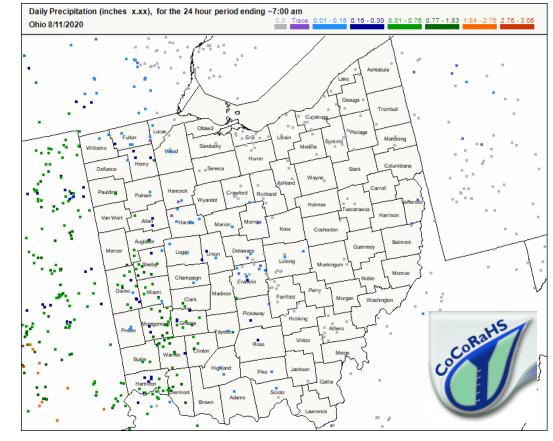
https://www.drought.gov/drought/dews/midwest/current-conditions



This Week's Precipitation



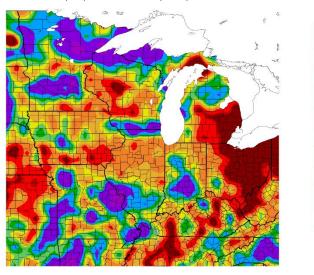
The Ohio State University



https://www.cocorahs.org/

Precipitation Differences Compared to Average (1981-2010)

Percent of Normal Precipitation (%) 8/6/2020 - 8/12/2020



Generated 8/13/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

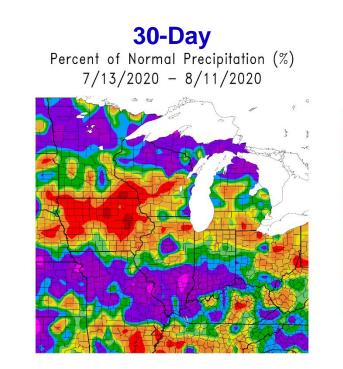
800 400

50

25

7-Day

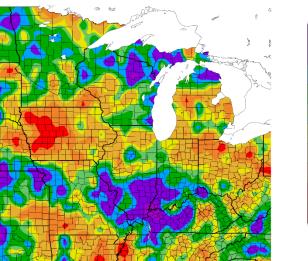




Generated 8/12/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%) 6/14/2020 - 8/12/2020



nerated 8/13/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

200

150

130

10

60-Day

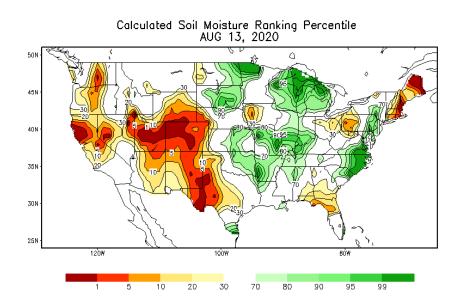
300

150 30

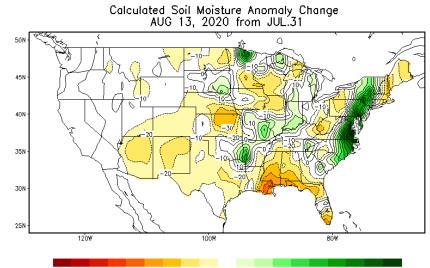
50

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





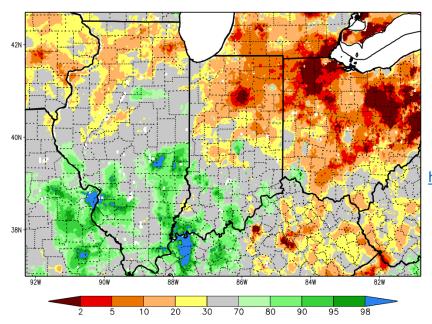
Soil Moisture



-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 0-200 cm Soil Moisture percentile valid 14 Aug 2020

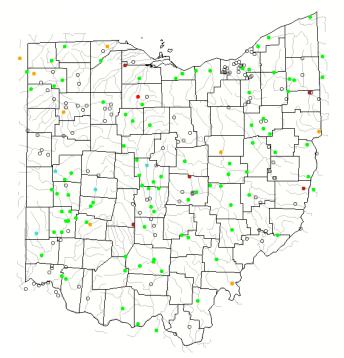


https://weather.msfc.nasa.gov/sport/case_studies/lis_IN.html





7-DAY

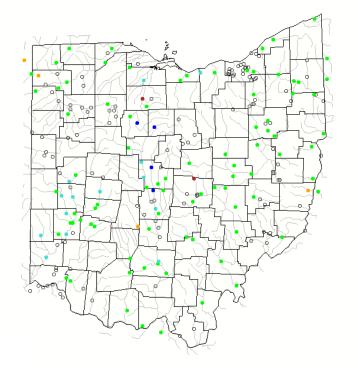


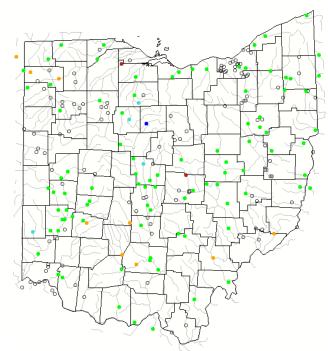
Explanation - Percentile classes							
•		•				•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

USGS Stream Flow

14-DAY





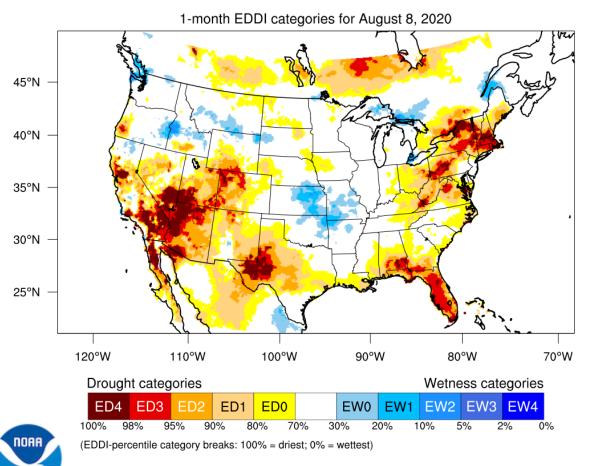
28-DAY



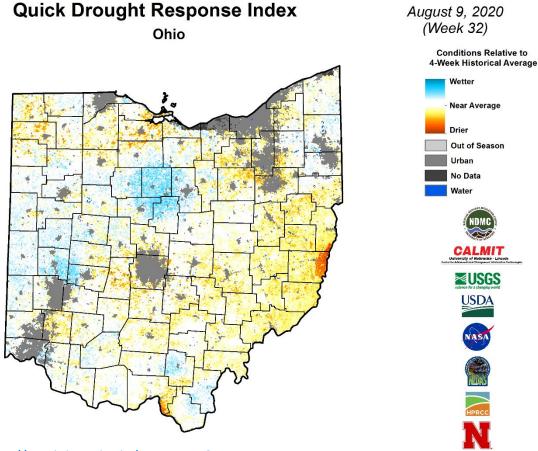
The Ohio State University

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

Moisture Demand



Generated by NOAA/ESRL/Physical Sciences Laboratory



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

The Ohio State University

Current U.S. Drought Monitor

U.S. Drought Monitor Ohio

August 11, 2020 (Released Thursday, Aug. 13, 2020) Valid 8 a.m. EDT







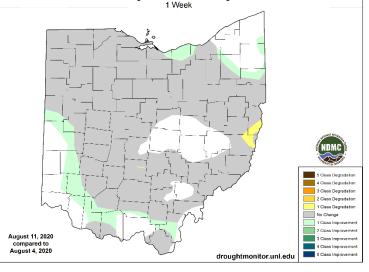
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

<u>Author:</u> Brian Fuchs National Drought Mitigation Center



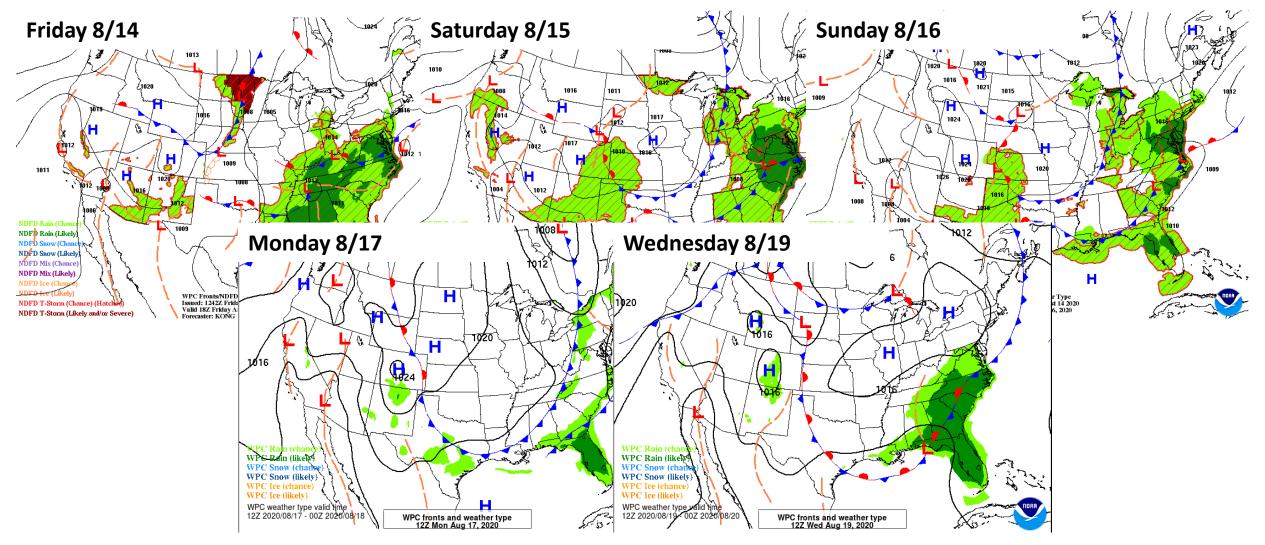
U.S. Drought Monitor August 11, 2020 (Released Thursday, Aug. 13, 2020) Valid 8 a.m. EDT Drought Impact Types: ➤ Delineates dominant impacts S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands) L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology) Intensity: None D0 Abnormally Dry D1 Moderate Drought D2 Severe Drought Author: D3 Extreme Drought Brian Fuchs D4 Exceptional Drought National Drought Mitigation Center The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the \sim Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx USDA 48 ۰. No sume droughtmonitor.unl.edu

The Ohio State University



U.S. Drought Monitor Class Change - Ohio

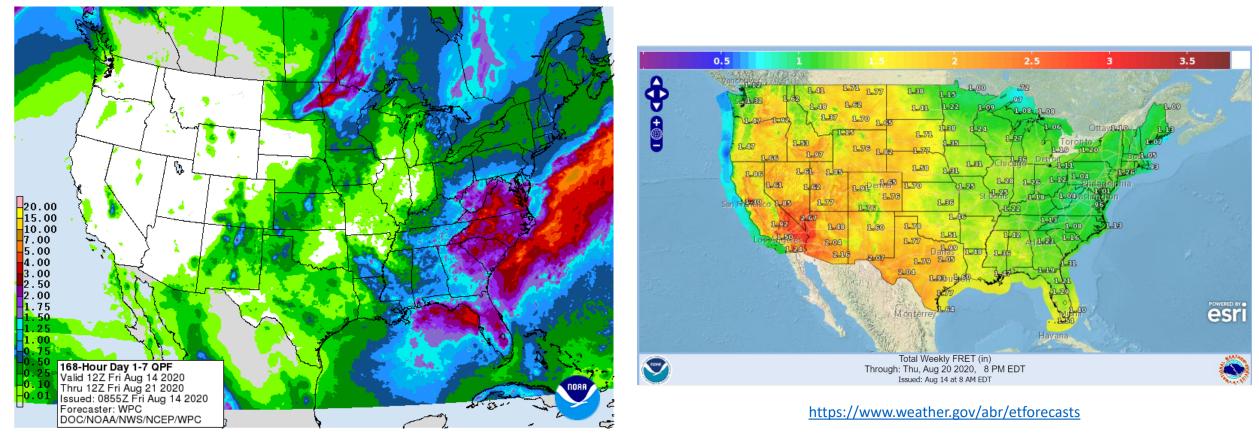
Weather for the Week Ahead





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

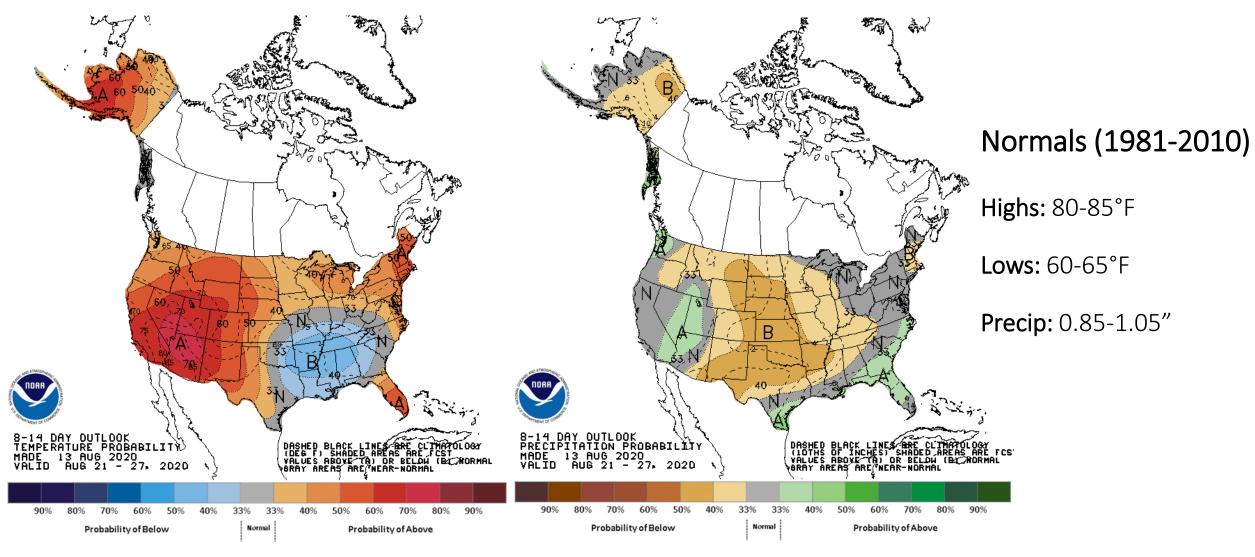
7-Day Precipitation/Evaporation Forecast



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



8-14 Day Outlook





Ag Highlights

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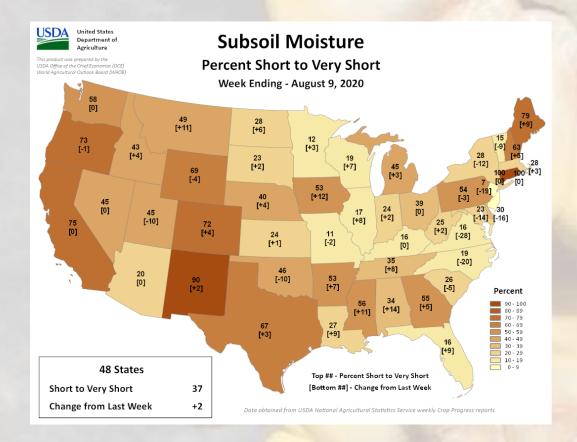


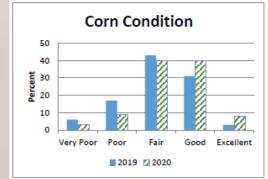
Photo Credit: Elizabeth Hawkins

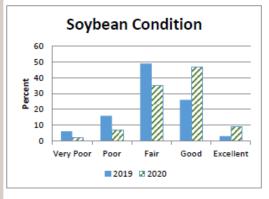


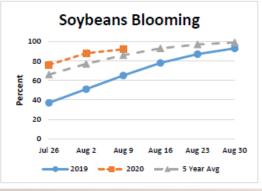
- 5.9 suitable days for fieldwork ending August 9
- Cooler but dry weather decreased topsoil moisture
- Fungicide and herbicide applications, seeded alfalfa, and spread manure

NASS: Cheryl Turner –

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







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Summary of Conditions

Drought Monitor: D1 moderate drought conditions cover ~17% of the state

Climate Recap: Cooler than average and in the west; Warmer than average and dry in eastern Ohio

Week Ahead: Locally heavy rainfall over the weekend; cooler drier weather expected next week

Photo Courtesy of Kat Bledsoe



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



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