Hydrologic and Climate Assessment

August 14, 2020

Photo Courtesy of Elizabeth Hawkins
Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal temperature (°F)
8/6/2020 - 8/12/2020

30-Day

Departure from Normal Temperature (°F)
7/13/2020 - 8/11/2020

60-Day

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

https://www.drought.gov/drought/dews/midwest/current-conditions
This Week’s Precipitation

Multi-sensor Precipitation: Observed (inches)
7-Day Period Ending the Morning of 8/13/2020

https://www.cocorahs.org/
Precipitation Differences Compared to Average (1981-2010)

7-Day

30-Day

60-Day

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

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

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

Moisture Demand

1-month EDDI categories for August 8, 2020

Quick Drought Response Index
Ohio

August 9, 2020
(Week 32)

Conditions Relative to 4-Week Historical Average
- Wetter
- Near Average
- Drier
- Out of Season
- Urban
- No Data
- Water

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

Generated by NOAA/ESRL/Physical Sciences Laboratory

THE OHIO STATE UNIVERSITY
7-Day Precipitation/Evaporation Forecast

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

https://www.weather.gov/abr/etforecasts
8-14 Day Outlook

Normals (1981-2010)

Highs: 80-85°F
Lows: 60-65°F
Precip: 0.85-1.05”
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

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: https://climate.osu.edu
- NOAA’s National Climatic Data Center: www.ncdc.noaa.gov
- NOAA’s Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate Hub: https://www.climatehubs.oe.usda.gov/hubs/midwest
- Climate Portal: www.climate.gov
- National Drought Mitigation Center: https://drought.unl.edu/
- Midwest Regional Climate Center: https://mrcc.isws.illinois.edu
- Community Collaborative Rain Snow Hail Network (CoCoRaHS): https://cocorahs.org
- Song: “Wishful Thinking” by Dan Lebowitz