Hydrologic and Climate Assessment July 2, 2020

Photo Courtesy of Elizabeth Hawkins – OSU Extension

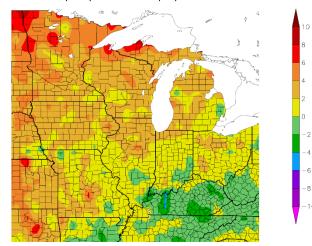


Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO) **DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER** DEPARTMENT OF GEOGRAPHY

Temperature Differences Compared to Average (1981-2010)

7-Day

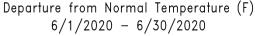
Departure from Normal Temperature (F) 6/25/2020 - 7/1/2020

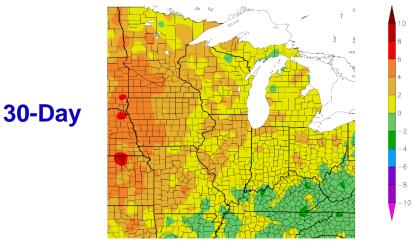


Generated 7/2/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



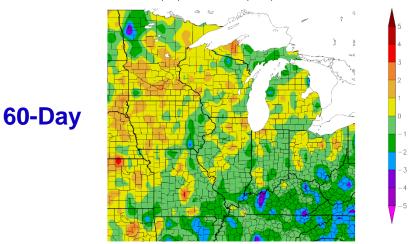




Generated 7/1/2020 at HPRCC using provisional data.

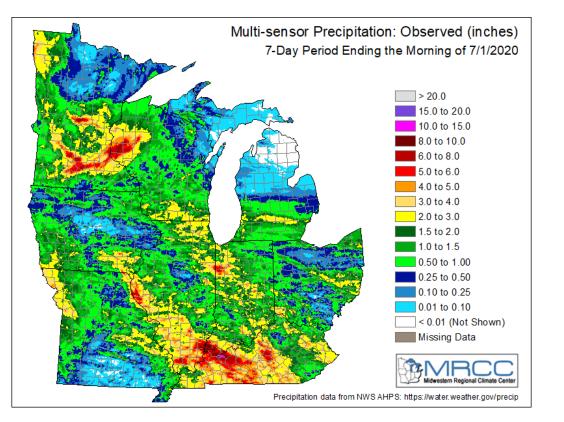
NOAA Regional Climate Centers

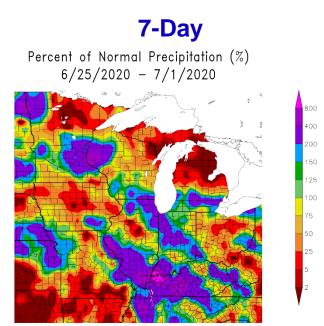
Departure from Normal Temperature (F) 5/2/2020 - 6/30/2020





This Week's Precipitation





Generated 7/2/2020 at HPRCC using provisional data.

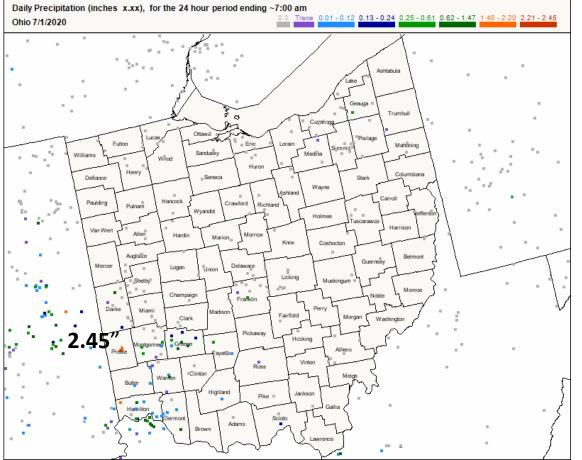
NOAA Regional Climate Centers





CoCoRaHS

Top 5 Wettest/Driest: June



CoCoRaHS	Total Precip		
Name	(inches)		
Athens 2.3 SSE	7.47		
New Marshfield 1.6 SW	7.17		
Old Washington 2.8 NE	6.68		
Albany 4.1 NW	6.61		
Norwich 1.1 SE	5.98		
Ada 0.4 SSW	0.61		
Defiance 9.4 NE	0.88		
Kenton 1.1 N	0.97		
Archbold 4.7 NW	1.11		
McGuffey 0.2 W	1.17		

https://cocorahs.org/

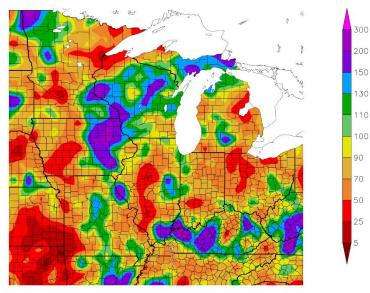
THE OHIO STATE UNIVERSITY

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Precipitation Differences Compared to Average (1981-2010)

30-Day

Percent of Normal Precipitation (%) 6/1/2020 - 6/30/2020

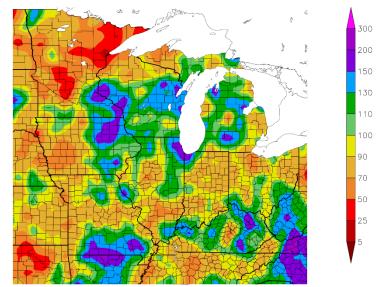


Generated 7/1/2020 at HPRCC using provisional data.

NOM Regional Climate Centers

60-Day

Percent of Normal Precipitation (%) 5/2/2020 - 6/30/2020

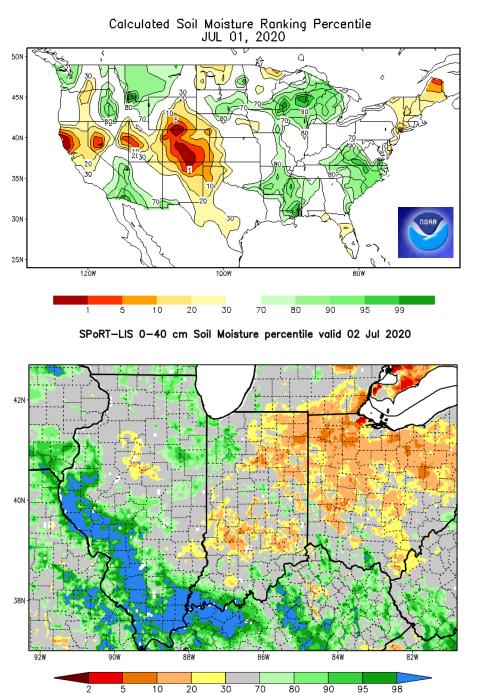


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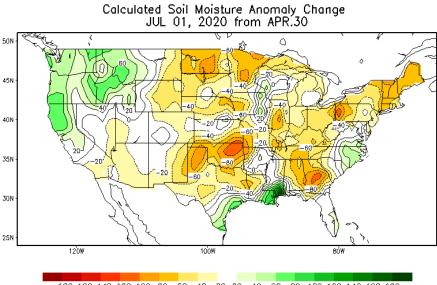
NOAA Regional Climate Centers





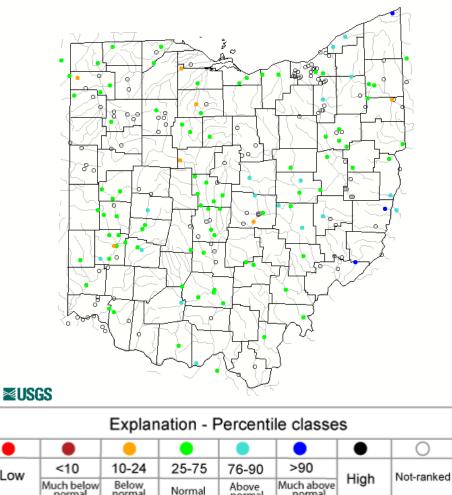


Soil Moisture



-180-160-140-120-100-80 -60 -40 -20 20 40 60 80 100 120 140 160 180

7-DAY



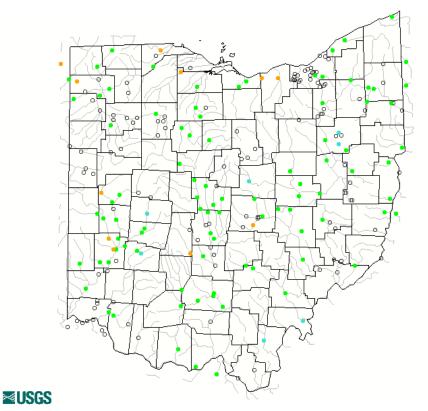
Average streamflow compared to historical streamflow for the day of the year

normal

normal

USGS Streamflow

28-DAY



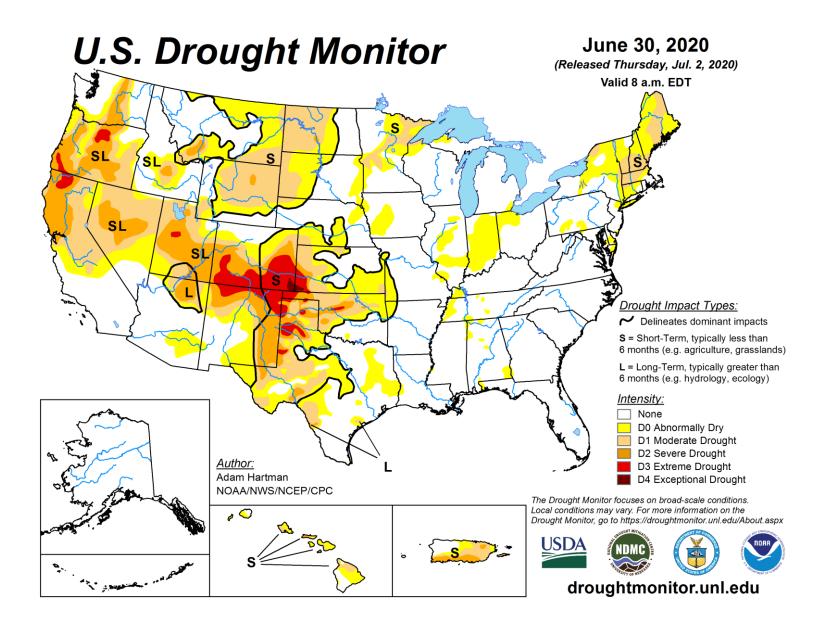
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normal

normal

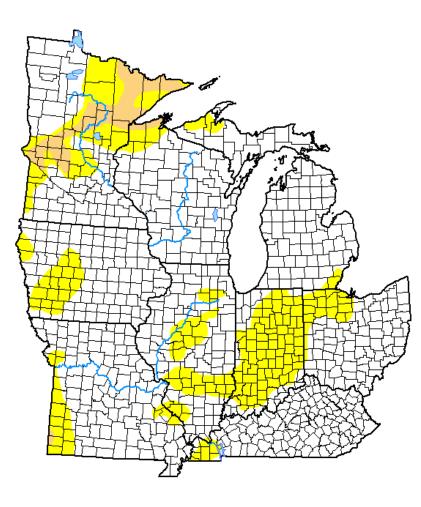
Low



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STATE CLIMATE OFFICE OF OHIO (SCOO)

U.S. Drought Monitor Midwest



June 30, 2020

(Released Thursday, Jul. 2, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	76.78	23.22	3.54	0.00	0.00	0.00
Last Week 06-23-2020	75.83	24.17	2.90	0.00	0.00	0.00
3 Month s Ago 03-31-2020	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12-31-2019	<mark>99.74</mark>	0.26	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2019	74.06	25.94	11.99	5.07	0.32	0.00
One Year Ago 07-02-2019	96.09	3.91	0.00	0.00	0.00	0.00

Intensity:



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> Adam Hartman

NOAA/NWS/NCEP/CPC

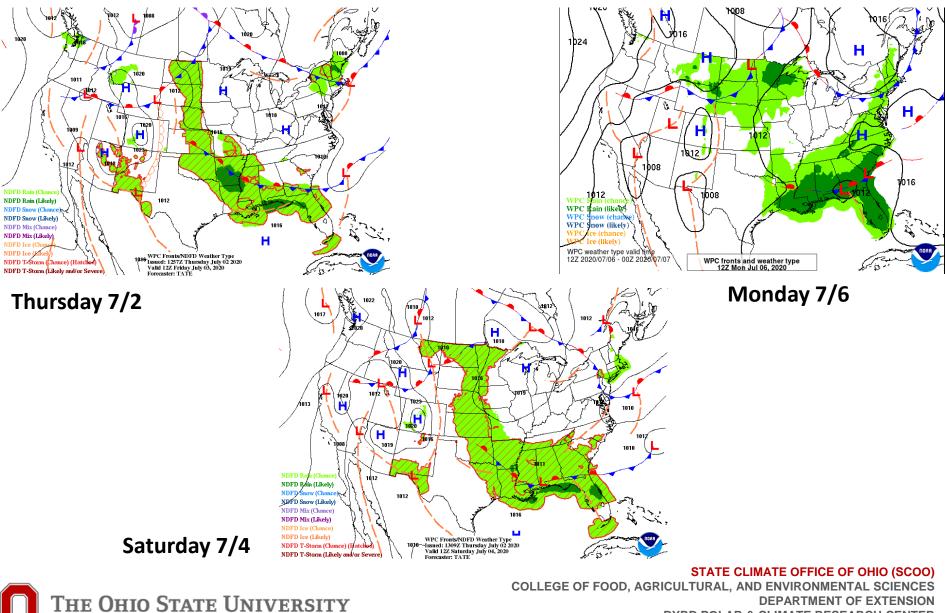


droughtmonitor.unl.edu



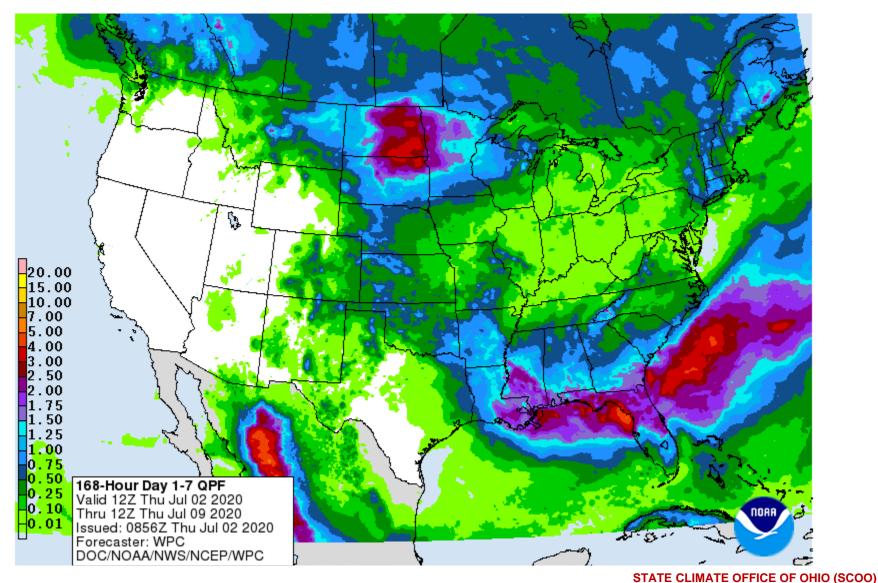
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Weather for the Week Ahead



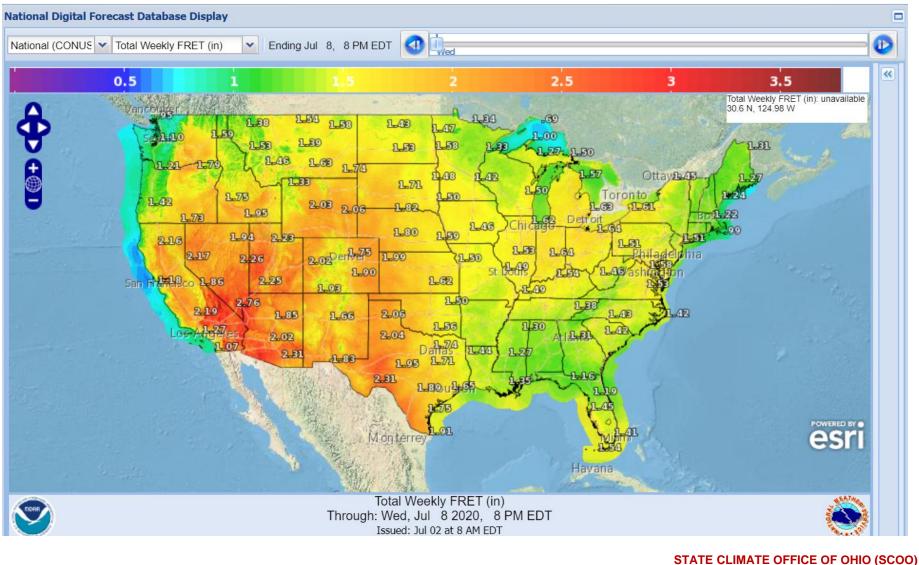
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7-Day Precipitation Forecast



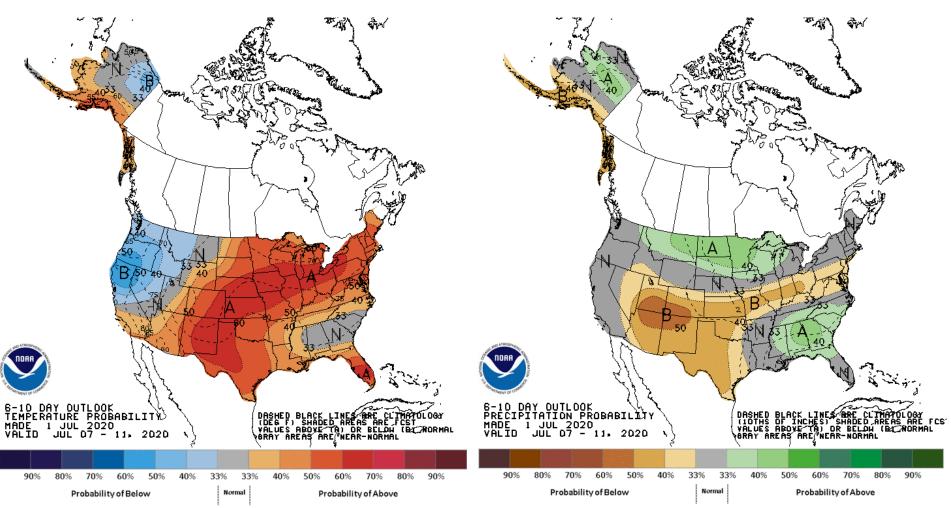


7-Day Reference Evaporation Forecast



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6-10 Day Outlook



Highs: 82-86°F; Lows: 62-66°F; Precip: 0.85-1.05" (per week)

THE OHIO STATE UNIVERSITY

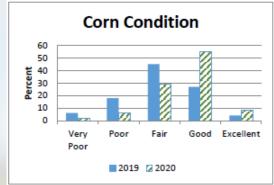
Ag Highlights

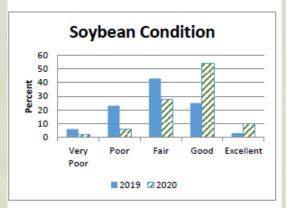
- 5.2 suitable days for fieldwork ending June 28
- Scattered rains improved topsoil moisture a bit
- Side dressed nitrogen on corn and applied herbicides to corn and soybean
- Winter wheat mature and starting to harvest

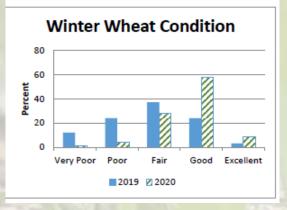
NASS: Cheryl Turner – https://www.nass.usda.gov/Statistics_by_State/Ohio/Publicatio ns/Crop_Progress_&_Condition/2020/cw2220oh.pdf

Photo Credit: Beth Scheckelhoff









Summary of Conditions



Drought Monitor: D0 across western and northwestern Ohio

Climate Recap: Warmer than average; scattered heavy rainfall

Week Ahead: Hot and dry – some areas may not see any precipitation over the next 7 days



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): https://cocorahs.org
- Song: "Wishful Thinking" by Dan Lebowitz