

Hydrologic and Climate Assessment

June 5, 2020



Aaron B. Wilson

STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES

BYRD POLAR & CLIMATE RESEARCH CENTER

DEPARTMENT OF GEOGRAPHY

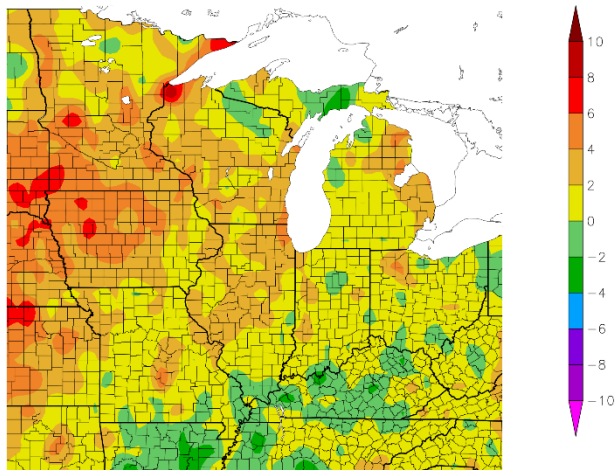


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Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F)
5/29/2020 – 6/4/2020

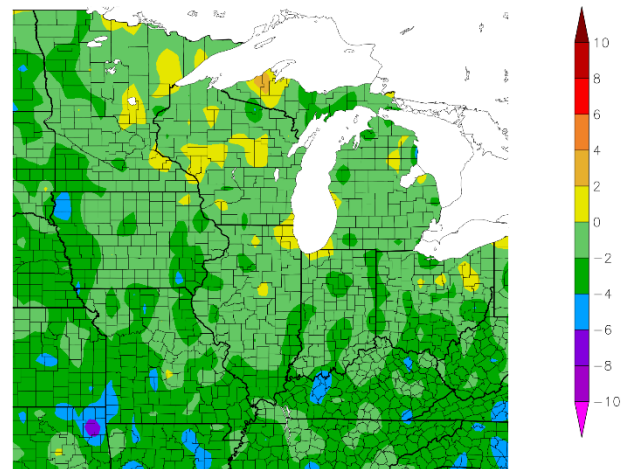


Generated 6/5/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

30-Day

Departure from Normal Temperature (F)
5/6/2020 – 6/4/2020

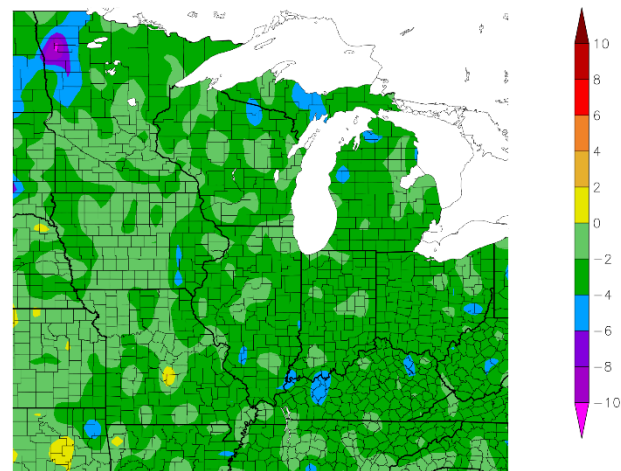


Generated 6/5/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

60-Day

Departure from Normal Temperature (F)
4/6/2020 – 6/4/2020



NATIONAL
INTEGRATED
DROUGHT
INFORMATION
SYSTEM



Drought.gov
U.S. Drought Portal



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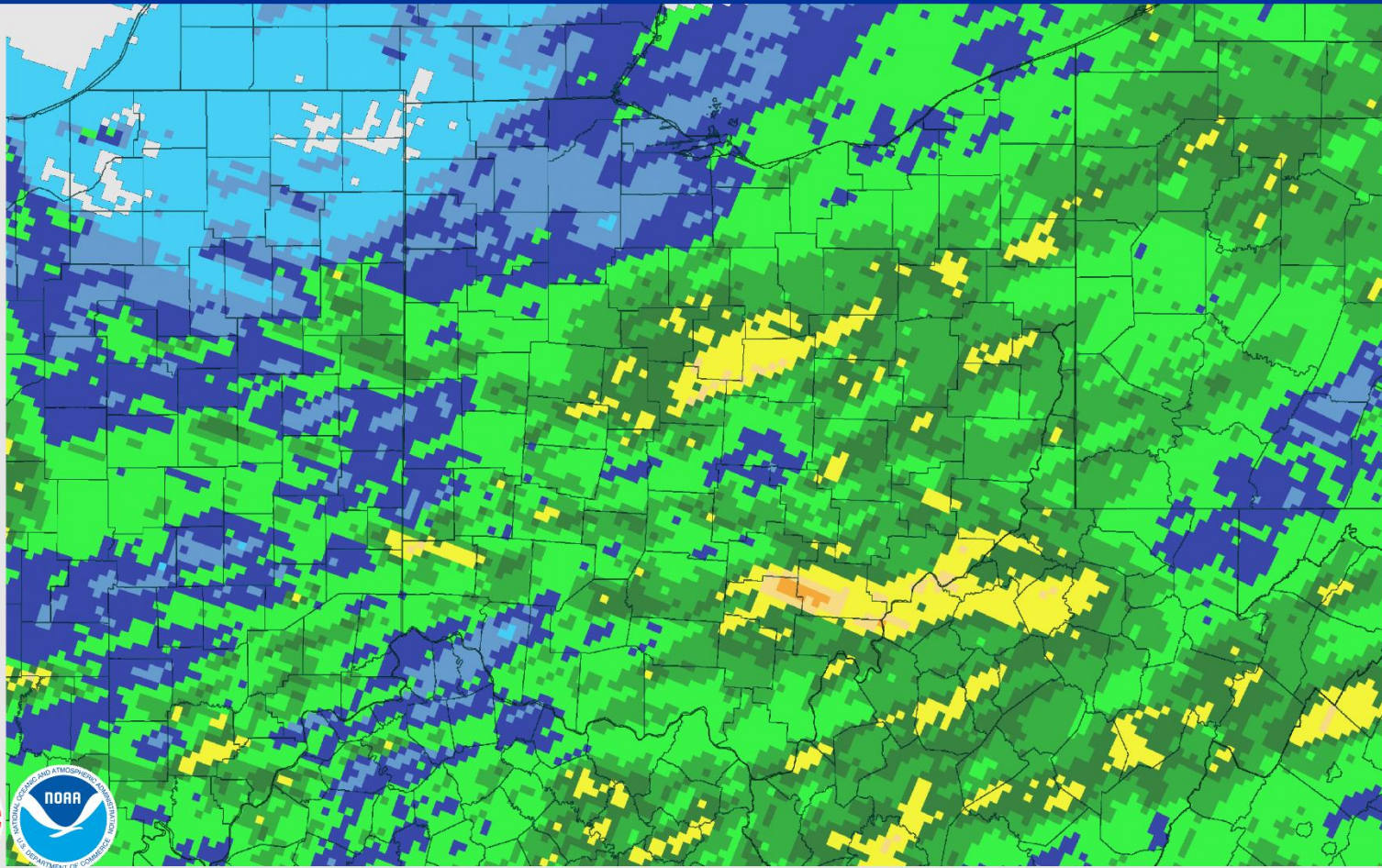
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This Week's Precipitation

June 05, 2020 7-Day Observed Precipitation

Created on: June 05, 2020 - 14:52 UTC

Valid on: June 05, 2020 12:00 UTC



Inches

20
15
10
8.0
6.0
5.0
4.0
3.0
2.0
1.5
1.0
.50
.25
.10
.01
?



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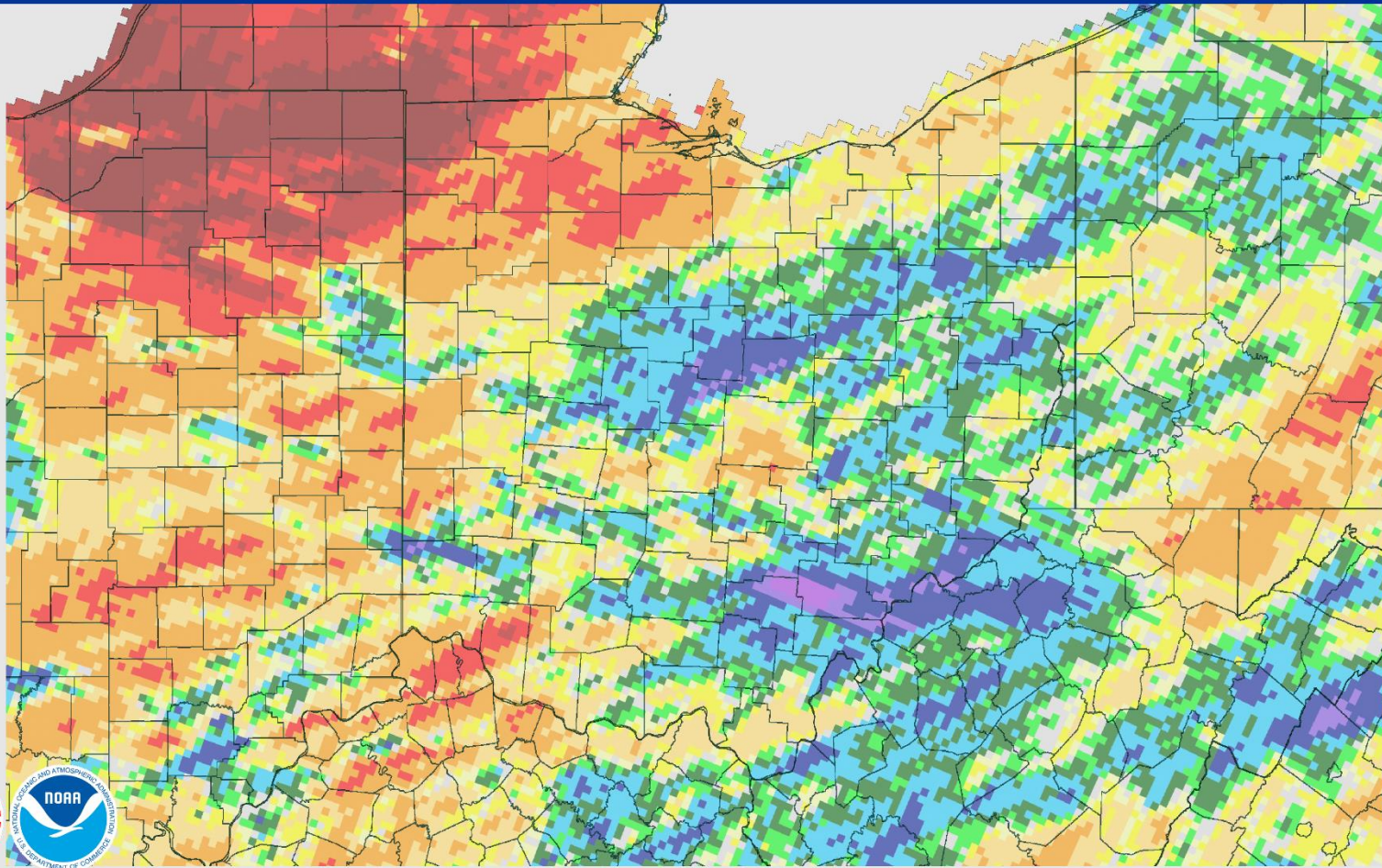
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This Week's Precipitation

June 05, 2020 7-Day Percent Precipitation

Created on: June 05, 2020 - 14:54 UTC

Valid on: June 05, 2020 12:00 UTC



Percent

600
400
300
200
150
125
110
100
90
75
50
25
10
5
0
?



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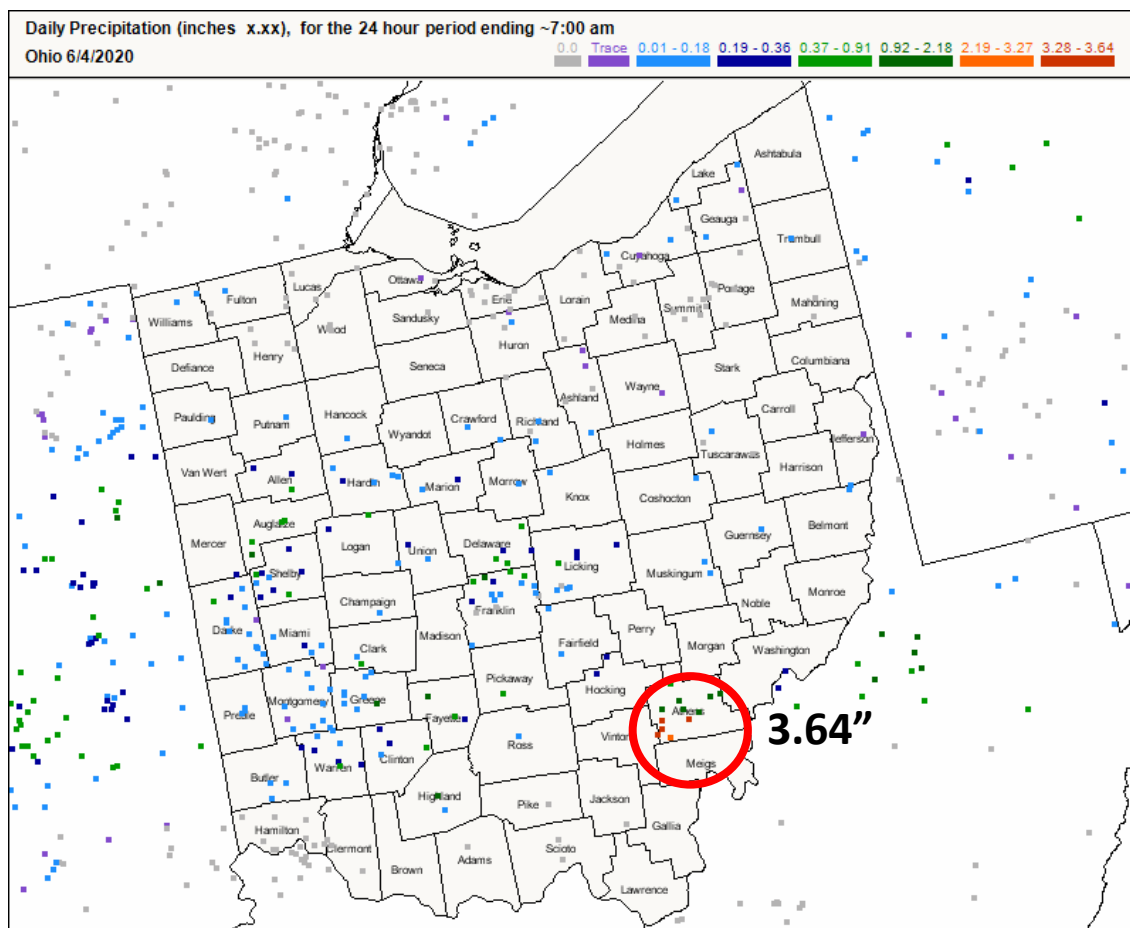
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CoCoRaHS



Top 10 Wettest: Apr-present

CoCoRaHS Name	Total Precip (inches)
Albany 4.5 WNW	15.44
Wyoming 1.2 NW	14.86
Athens 2.3 SSE	14.39
Columbus 3.6 NW	13.93
Albany 4.1 NW	13.90
Dublin 3.2 ENE	13.85
Albany 0.6 NW	13.74
Centerburg 5.3 WNW	13.61
Athens 4.6 ESE	13.43
New Marshfield 1.6 SW	13.34

<https://cocorahs.org/>



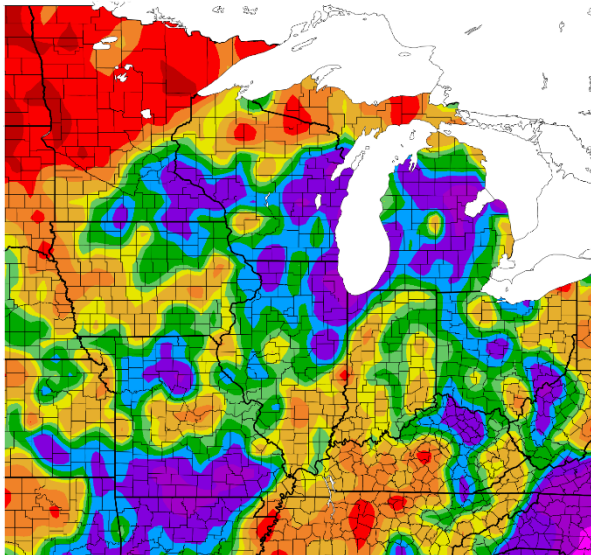
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Precipitation Differences Compared to Average (1981-2010)

30-Day

Percent of Normal Precipitation (%)
5/6/2020 – 6/4/2020

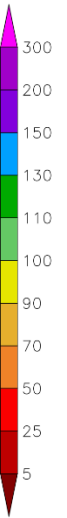
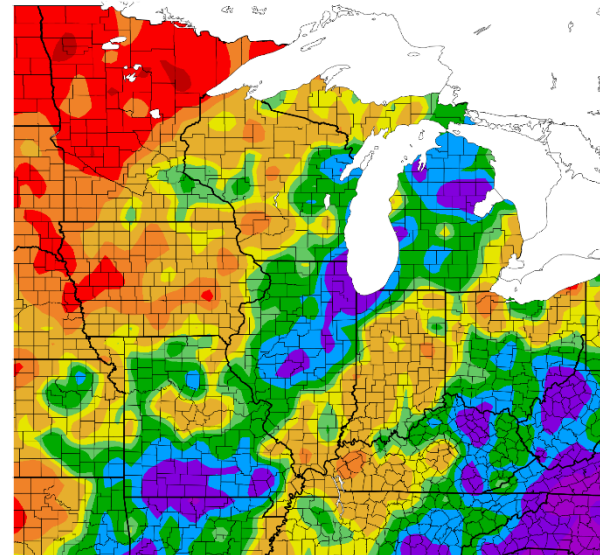


Generated 6/5/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

60-Day

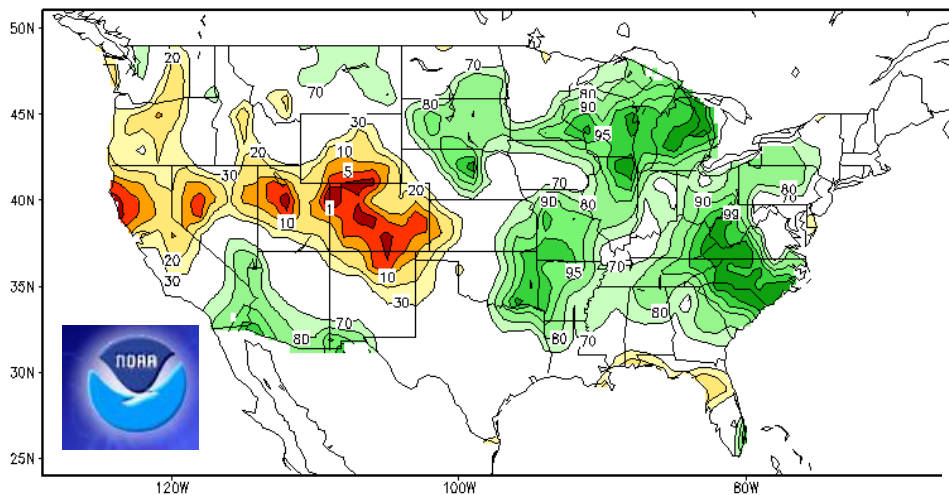
Percent of Normal Precipitation (%)
4/6/2020 – 6/4/2020



Generated 6/5/2020 at HPRCC using provisional data.

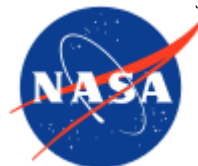
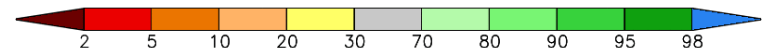
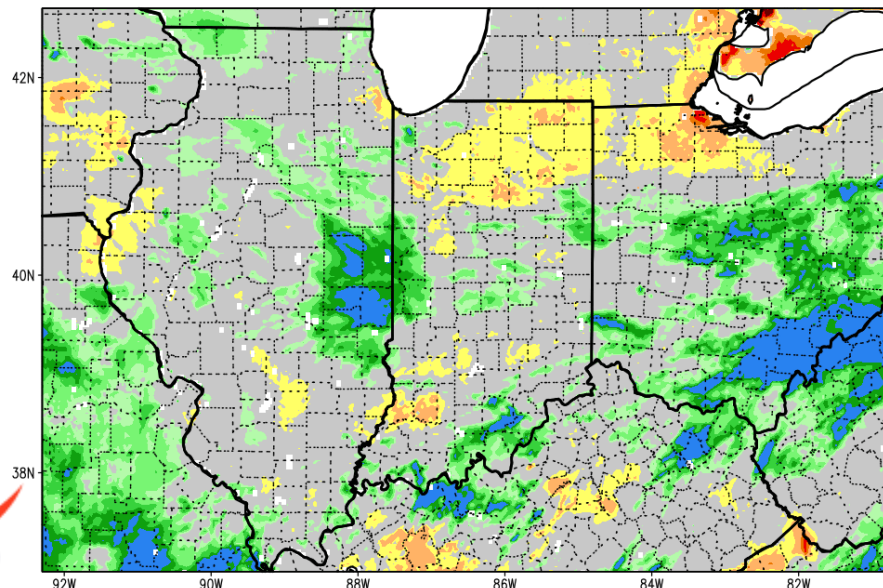
NOAA Regional Climate Centers

Calculated Soil Moisture Ranking Percentile
JUN 04, 2020



Soil Moisture

SPoRT-LIS 0-40 cm Soil Moisture percentile valid 05 Jun 2020



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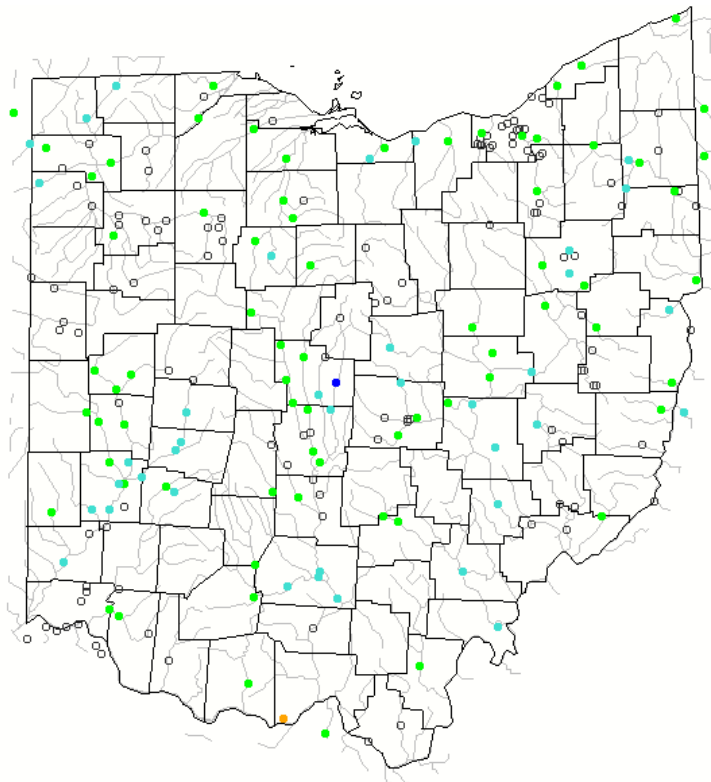
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7-DAY



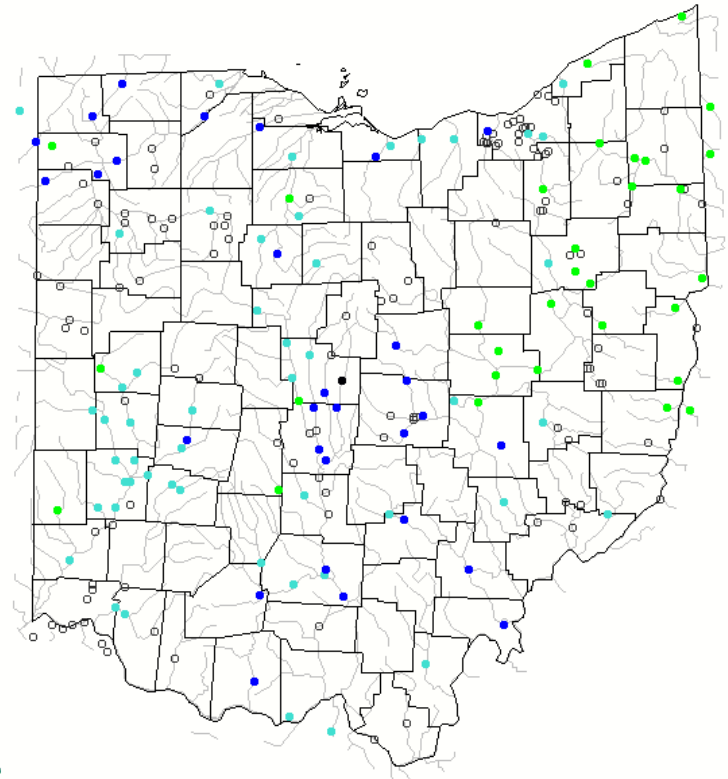
Explanation - Percentile classes

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

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

USGS Streamflow

28-DAY



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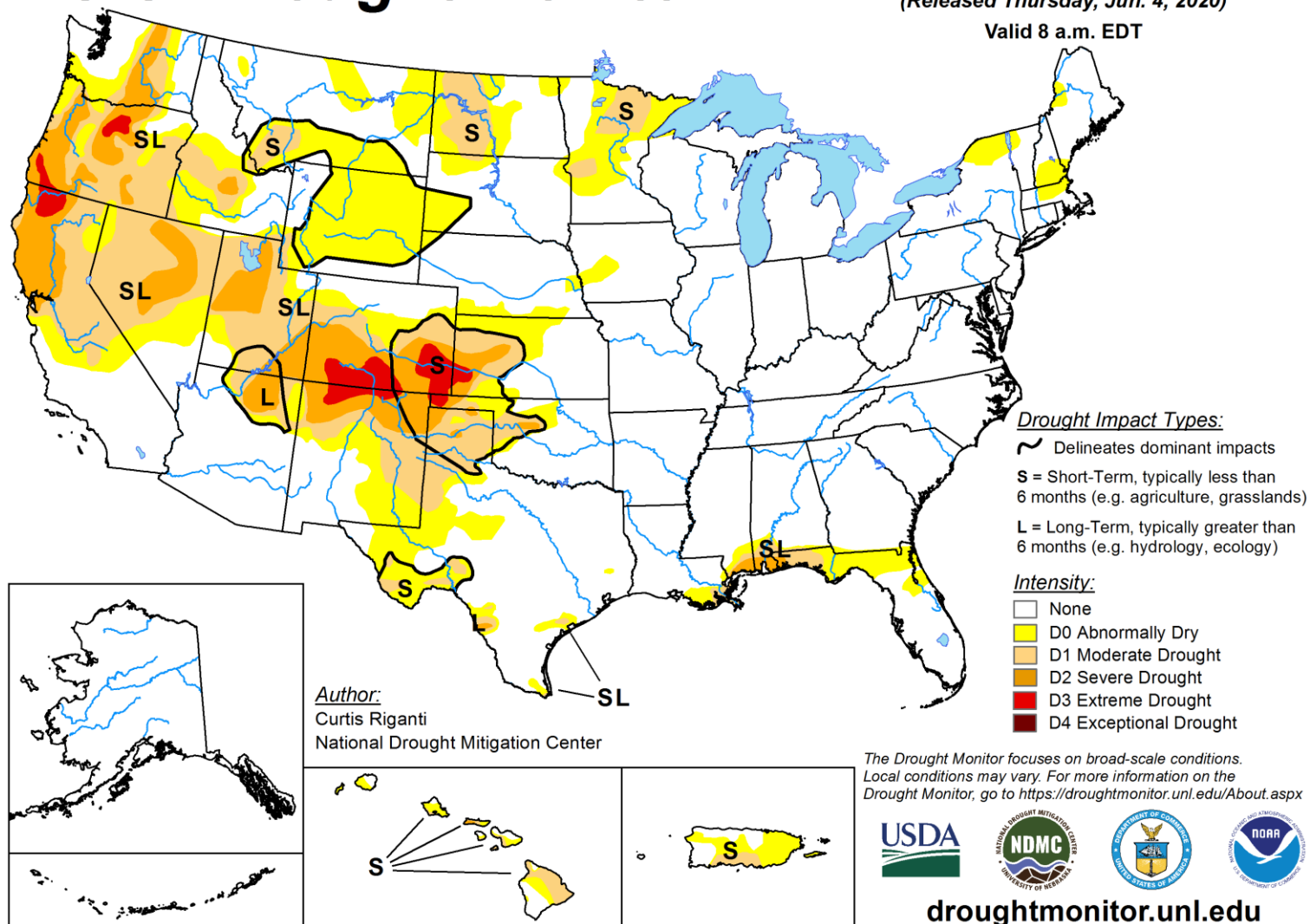
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U.S. Drought Monitor

June 2, 2020

(Released Thursday, Jun. 4, 2020)

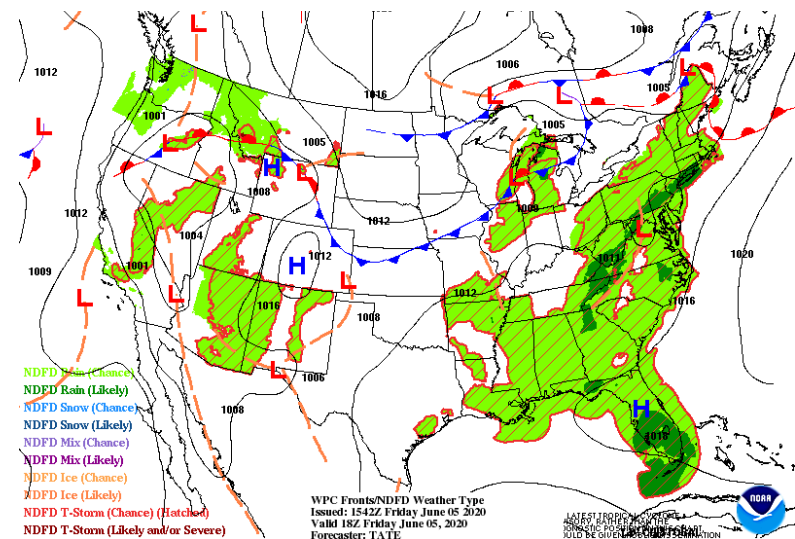
Valid 8 a.m. EDT



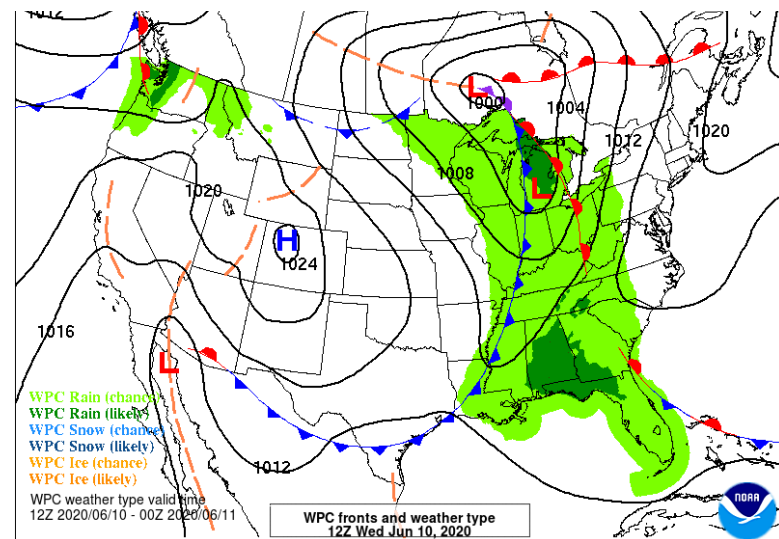
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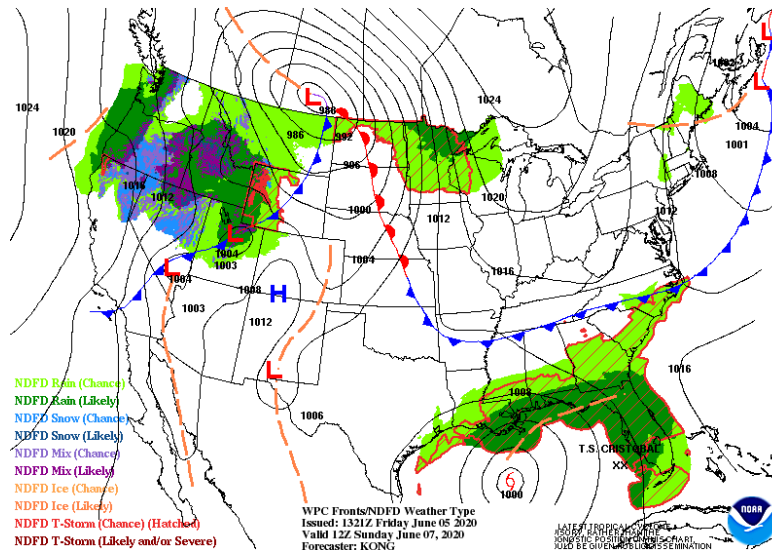
Weather for the Week Ahead



Friday 6/5



Wednesday 6/10



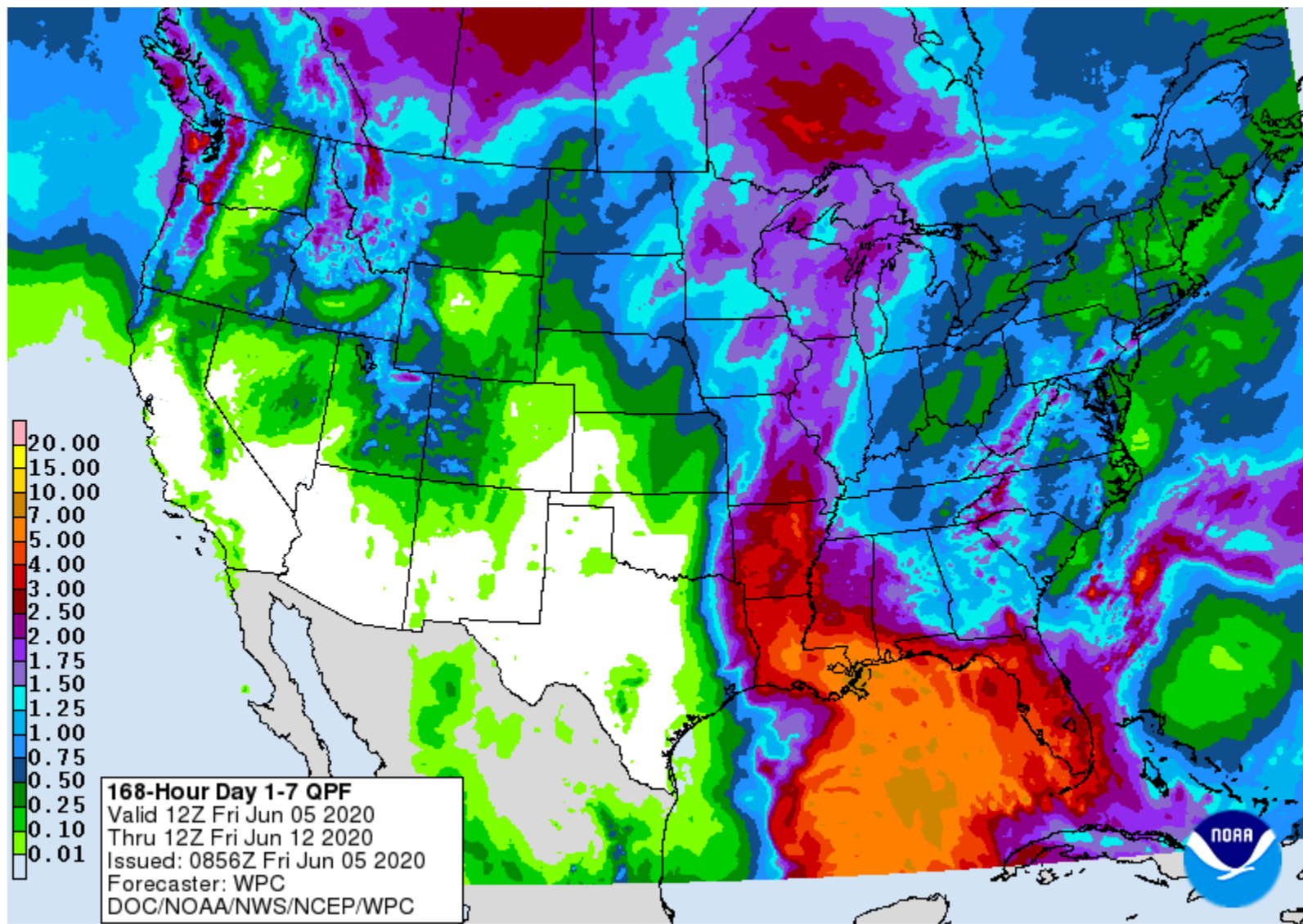
Sunday 6/7



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Weather for the Week Ahead



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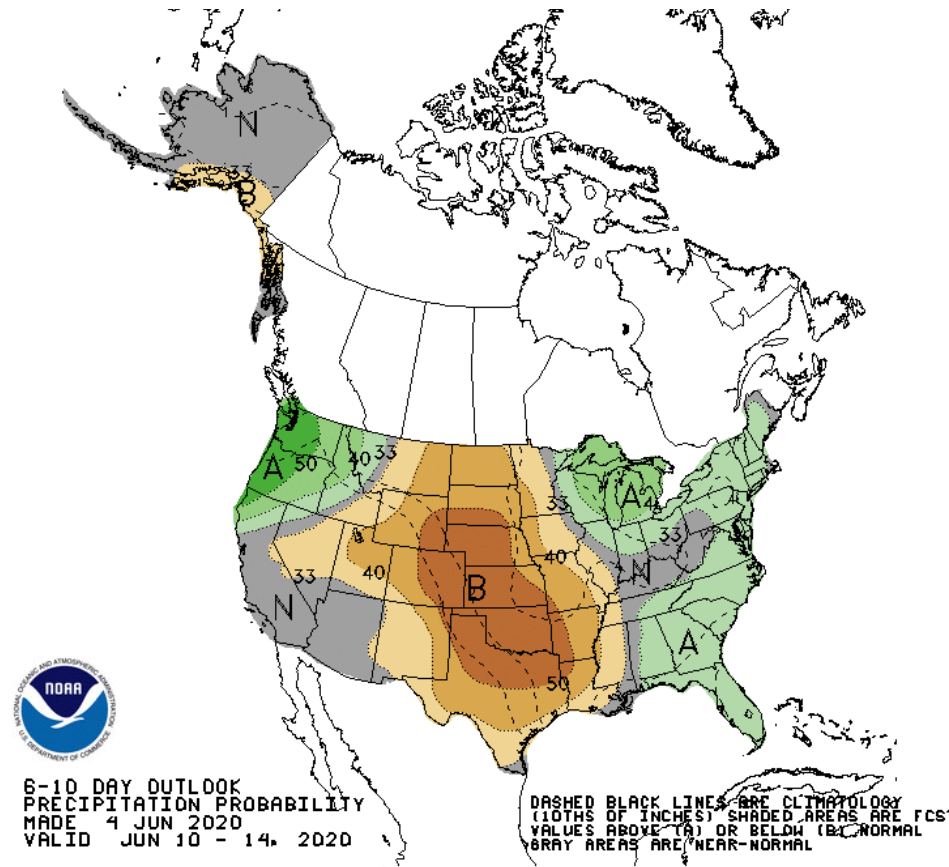
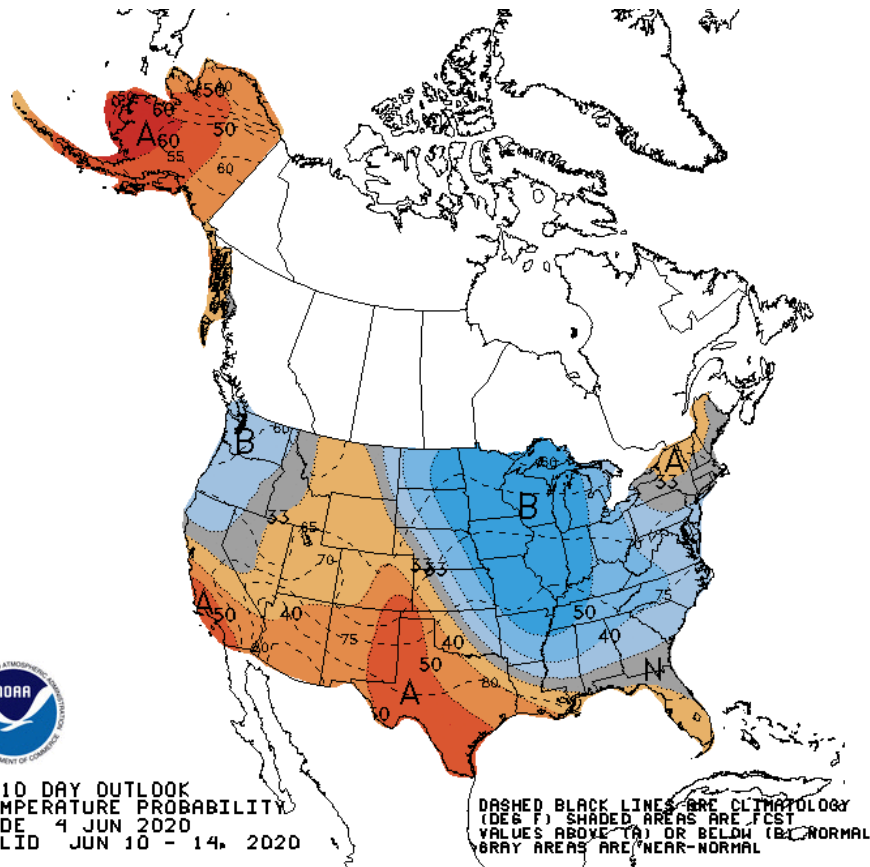
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6-10 Day Outlook



Highs: 77-83°F; Lows: 58-64°F; Precip: 0.85-1.05" (per week)



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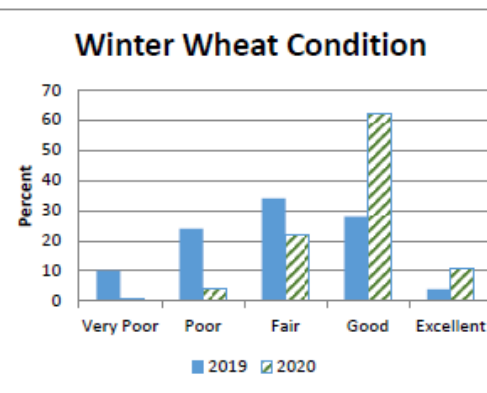
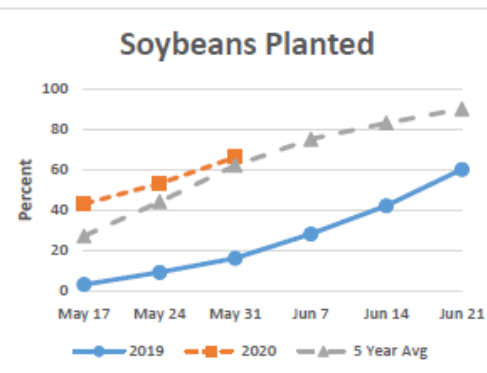
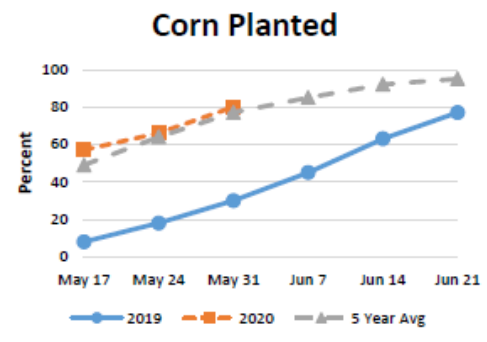
Ag Highlights

- 3.2 suitable days for fieldwork ending May 31
- Planting and replanting, chopping wheat and hay for forage
- Corn, soybean, and pastures all looking pretty good across the state

NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics_by_State/Ohio/Publications/Crop_Progress_&_Condition/2020/cw2220oh.pdf

Photo Credit: Beth Scheckelhoff



Summary of Conditions

Drought Monitor: None

Climate Recap: Warmer with scattered heavy rainfall

Week Ahead: Seasonally warm and mostly dry with tropical activity expected mid-week




Photo Courtesy of John Barker



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Partners and Additional Information

- SCOO's Website: <https://climate.osu.edu>
- 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:
<https://www.climatehubs.oce.usda.gov/hubs/midwest>
- Climate Portal: www.climate.gov
- U.S. Drought Portal: www.drought.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://cocoahs.org>
- Song: "Wishful Thinking" by Dan Lebowitz