

# Hydrologic and Climate Assessment

April 1, 2020



Photo Credit: Clifton Martin



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**Aaron B. Wilson**

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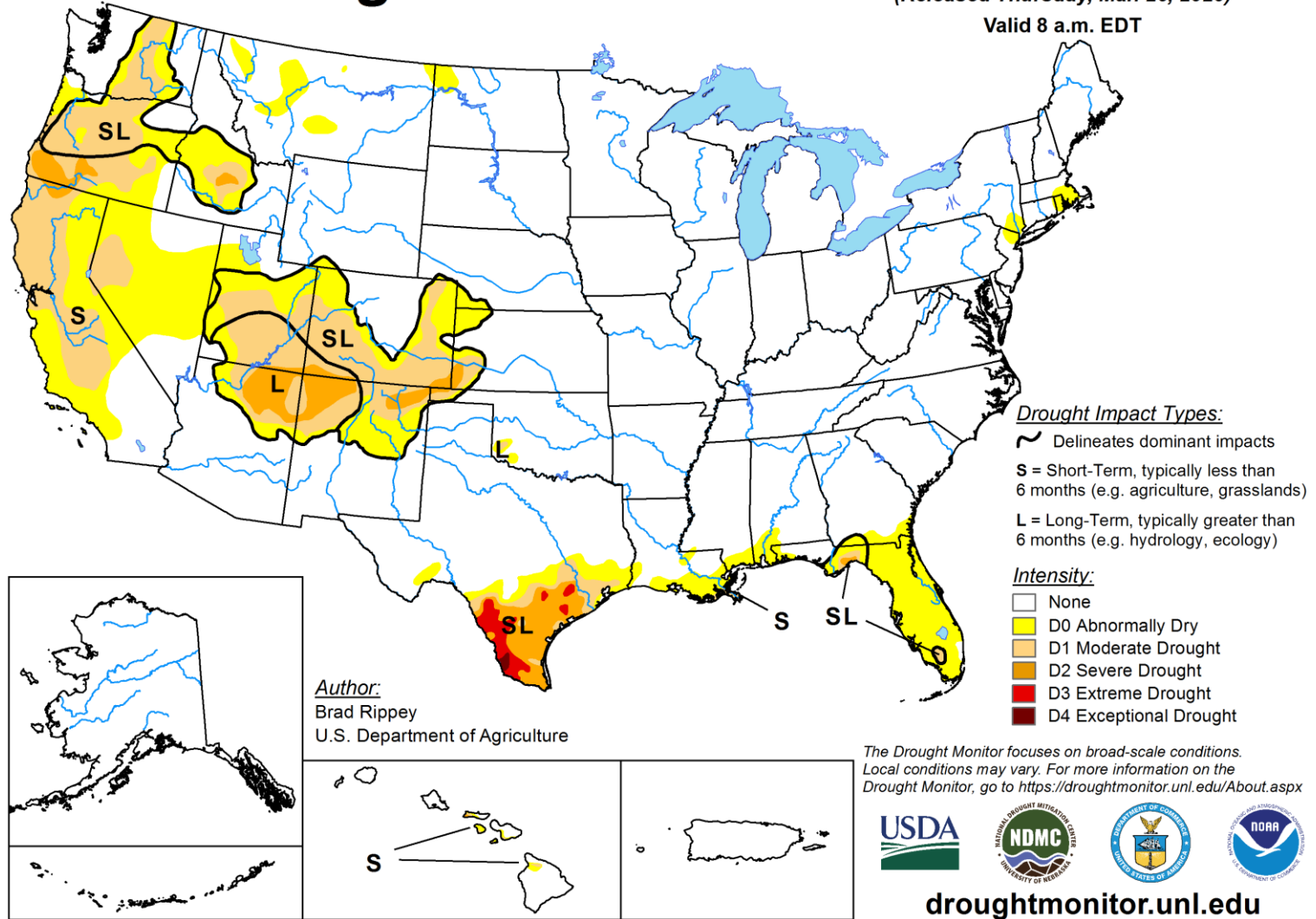
DEPARTMENT OF EXTENSION - CFAES

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# U.S. Drought Monitor

March 24, 2020  
(Released Thursday, Mar. 26, 2020)  
Valid 8 a.m. EDT



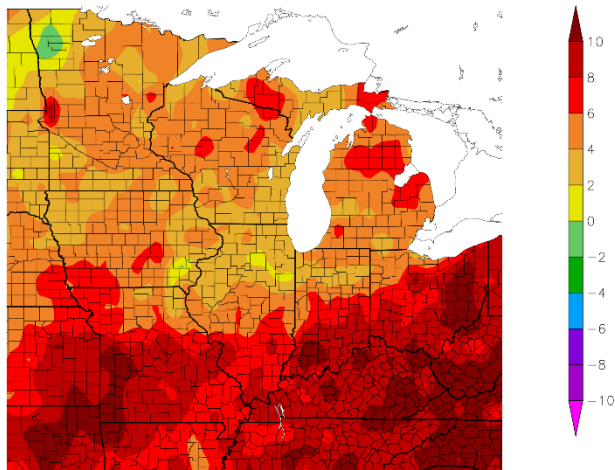
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# Temperature Differences Compared to Average (1981-2010)

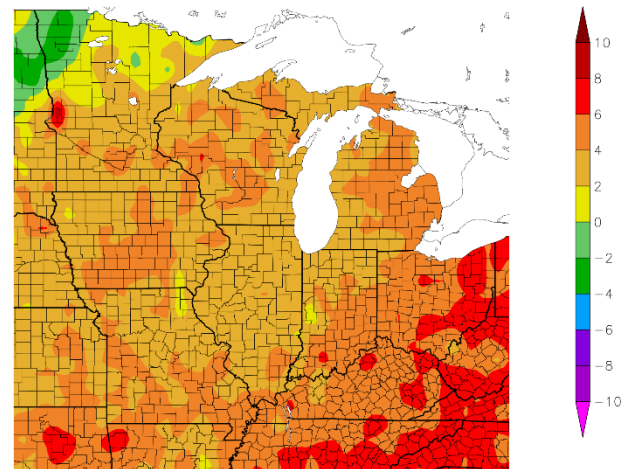
**7-Day**

Departure from Normal Temperature (F)  
3/25/2020 – 3/31/2020



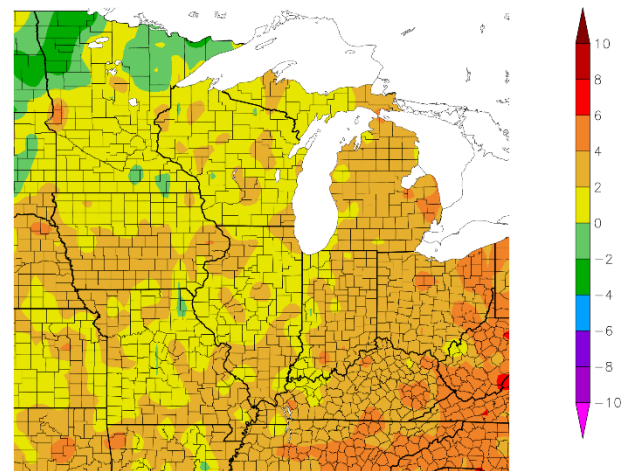
**30-Day**

Departure from Normal Temperature (F)  
3/2/2020 – 3/31/2020



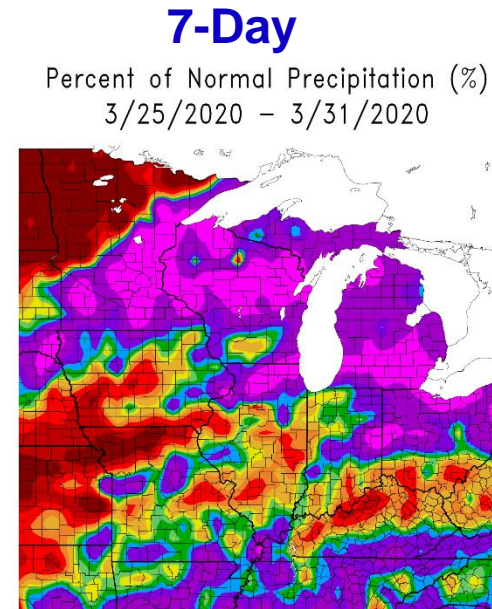
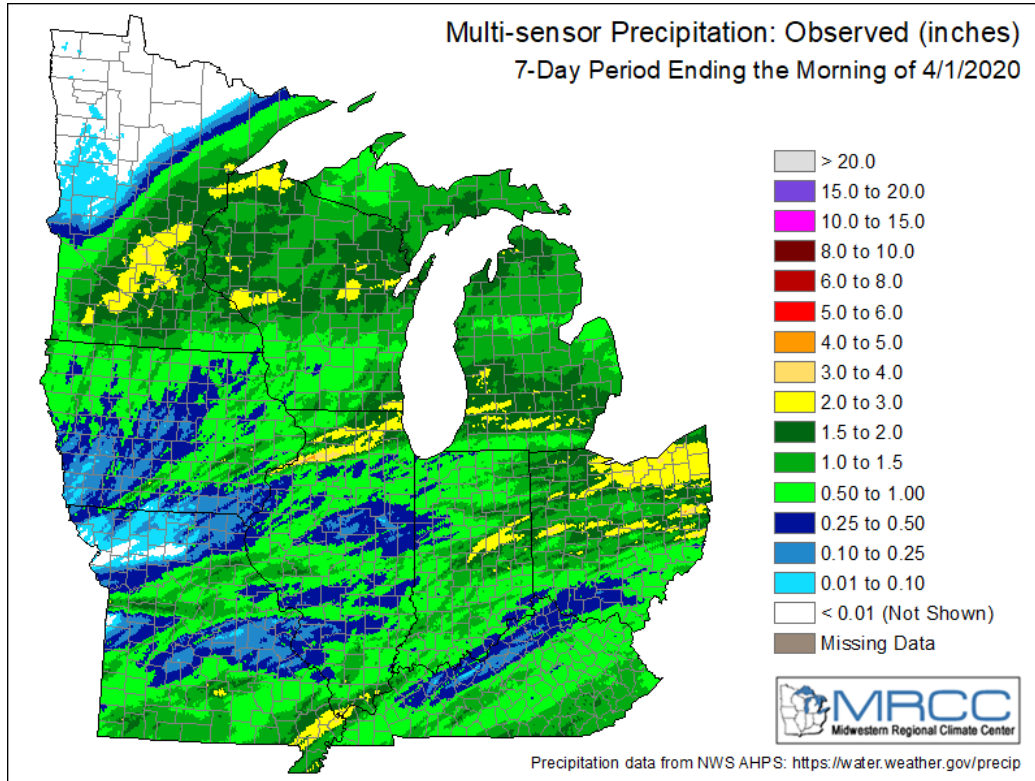
**60-Day**

Departure from Normal Temperature (F)  
2/1/2020 – 3/31/2020





# This Week's Precipitation



Generated 4/1/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

NATIONAL  
INTEGRATED  
DROUGHT  
INFORMATION  
SYSTEM



Drought.gov  
U.S. Drought Portal

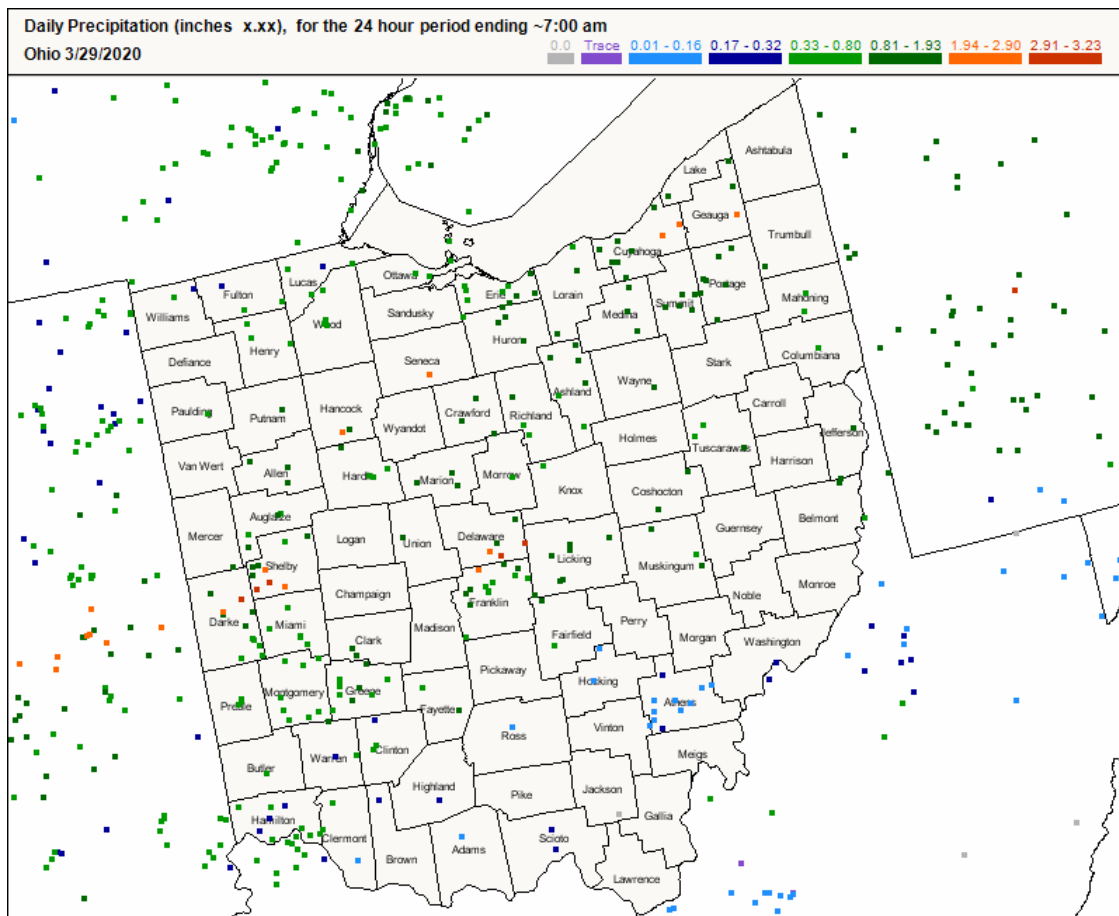


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# CoCoRaHS

## Top 10 Wettest



<https://cocorahs.org/>

CoCoRaHS Name	Total Precip (inches)
Sunbury 5.7 ESE	17.90
Reynoldsburg 1.1 ENE	17.67
Kirkersville 3.3 N	17.10
Granville 4.0 N	16.22
Uhrichsville 0.7 N	16.12
Pataskala 3.2 E	15.93
Westerville 3.4 N	15.90
Westerville 4.3 ESE	15.74
Westerville 0.7 N	15.68
Hanoverton 0.4 ENE	15.62



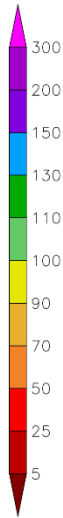
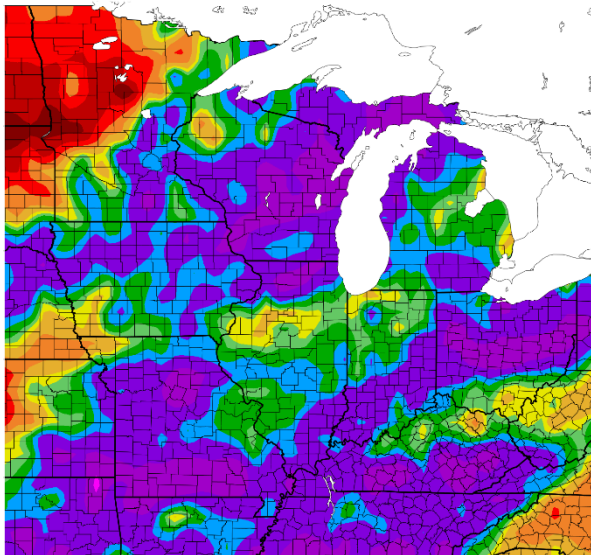
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# Precipitation Differences Compared to Average (1981-2010)

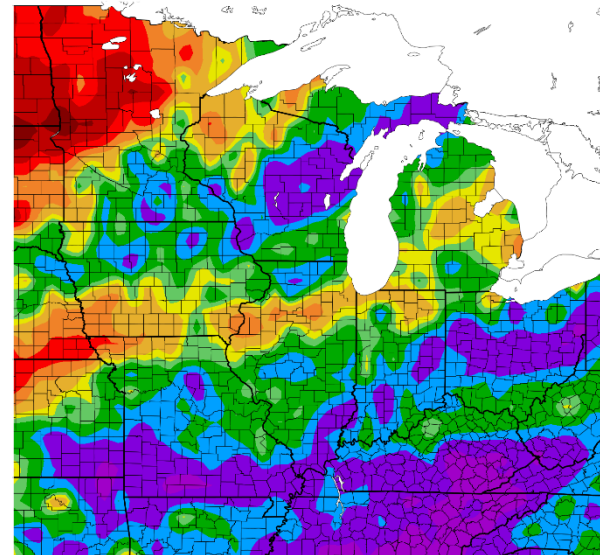
## 30-Day

Percent of Normal Precipitation (%)  
3/2/2020 – 3/31/2020



## 60-Day

Percent of Normal Precipitation (%)  
2/1/2020 – 3/31/2020



Generated 4/1/2020 at HPRCC using provisional data.

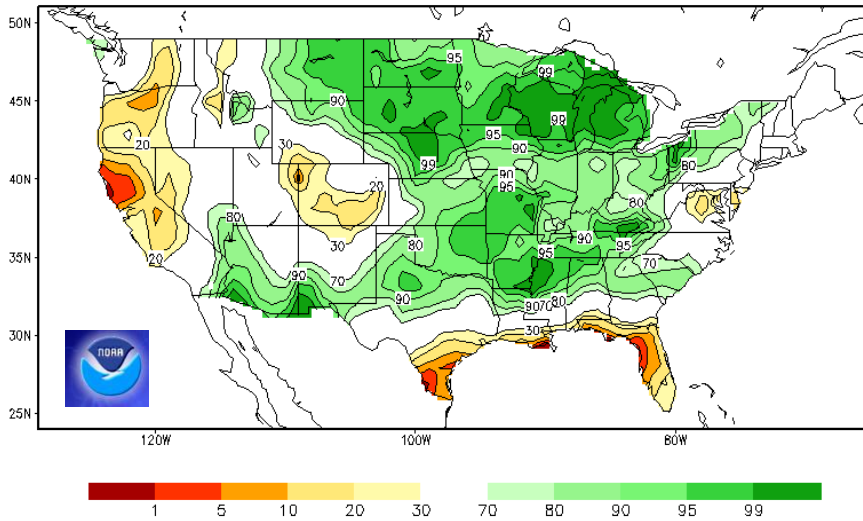
NOAA Regional Climate Centers

Generated 4/1/2020 at HPRCC using provisional data.

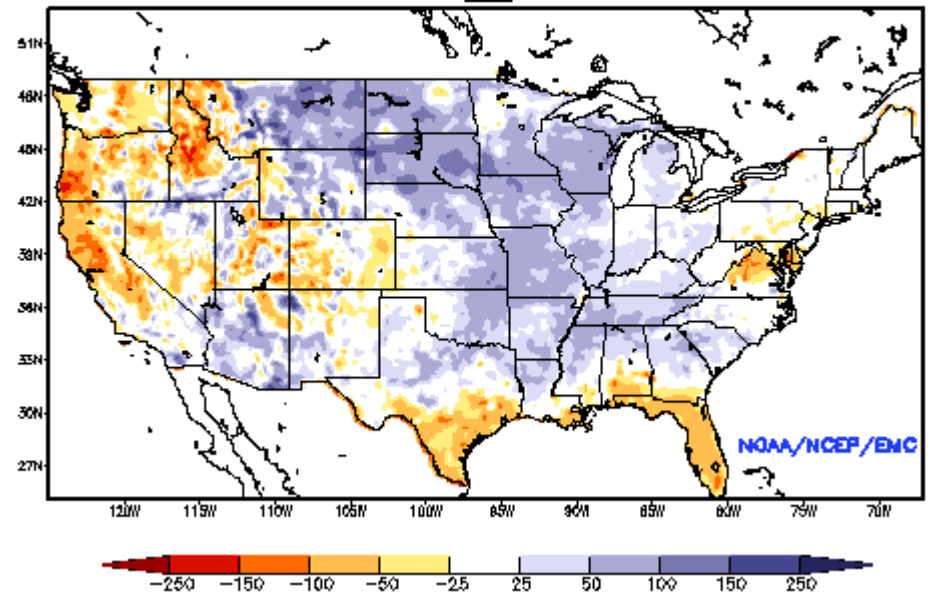
NOAA Regional Climate Centers

# Soil Moisture

Calculated Soil Moisture Ranking Percentile  
MAR 31, 2020



Ensemble-Mean - Current Total Column Soil Moisture Anomaly (mm)  
NCEP NLDAS Products Valid: MAR 28, 2020



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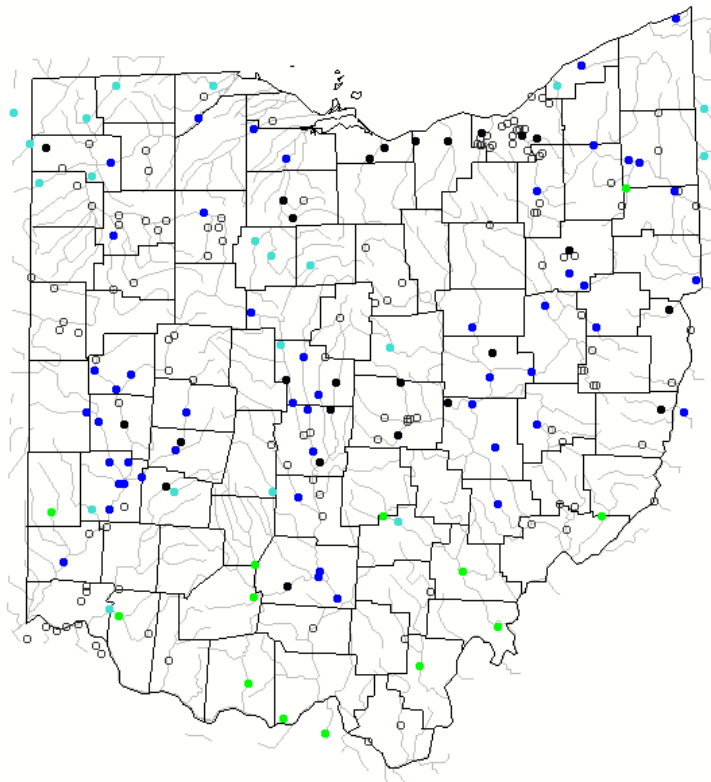
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7-DAY



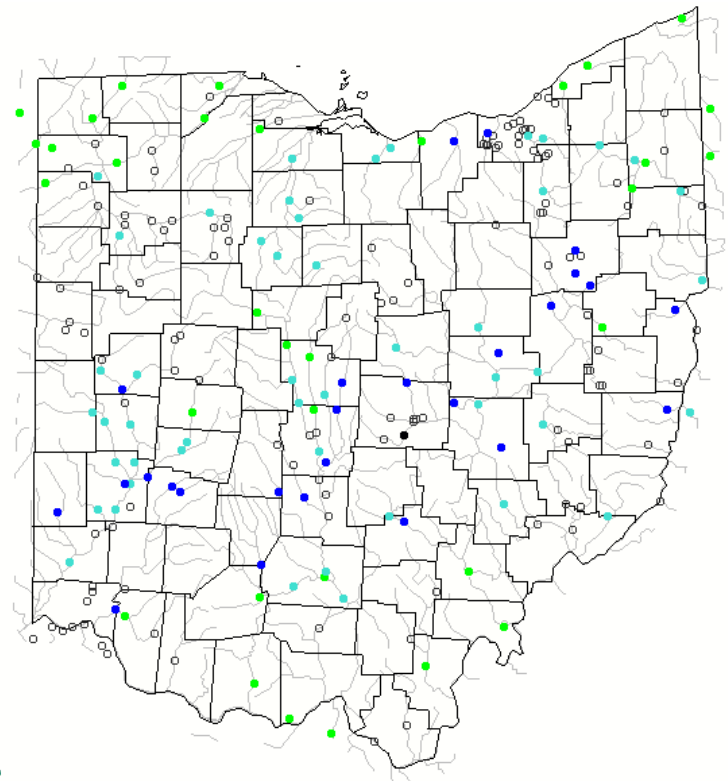
Explanation - Percentile classes

							
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 Streamflow

28-DAY



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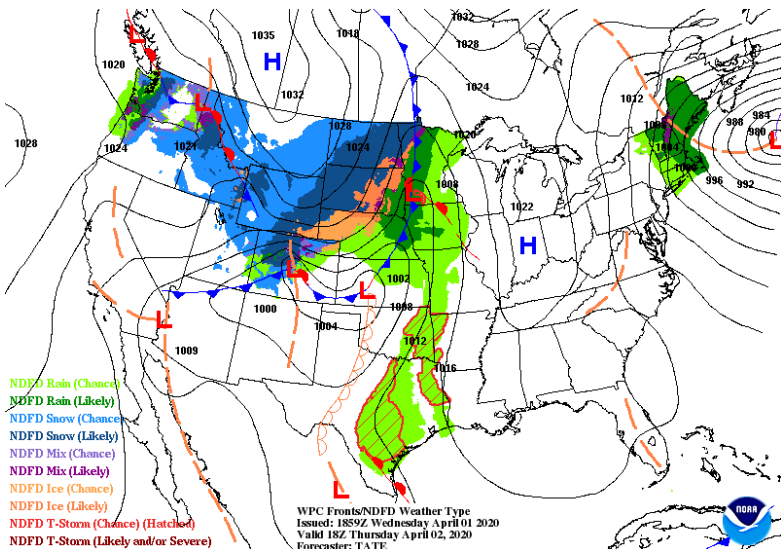
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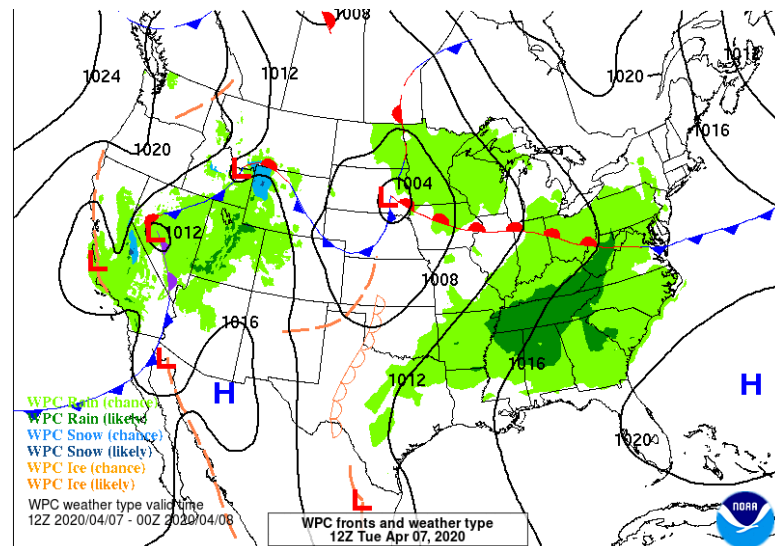
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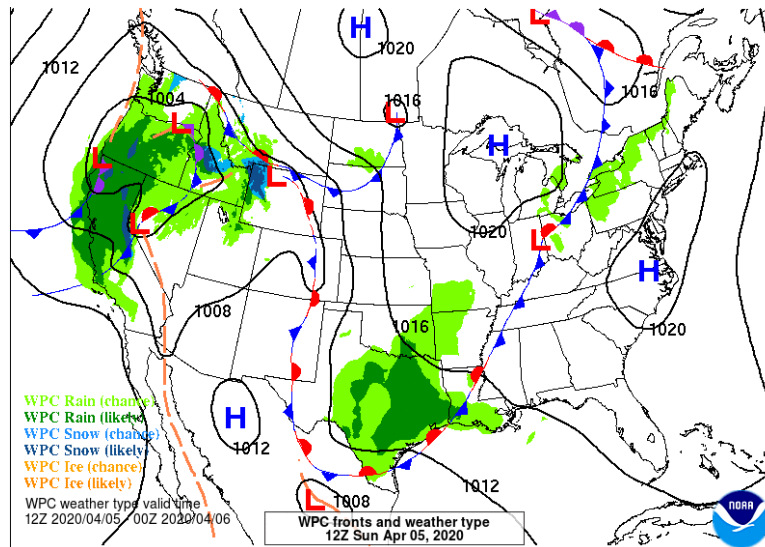
# Weather for the Week Ahead



Thursday



Tuesday



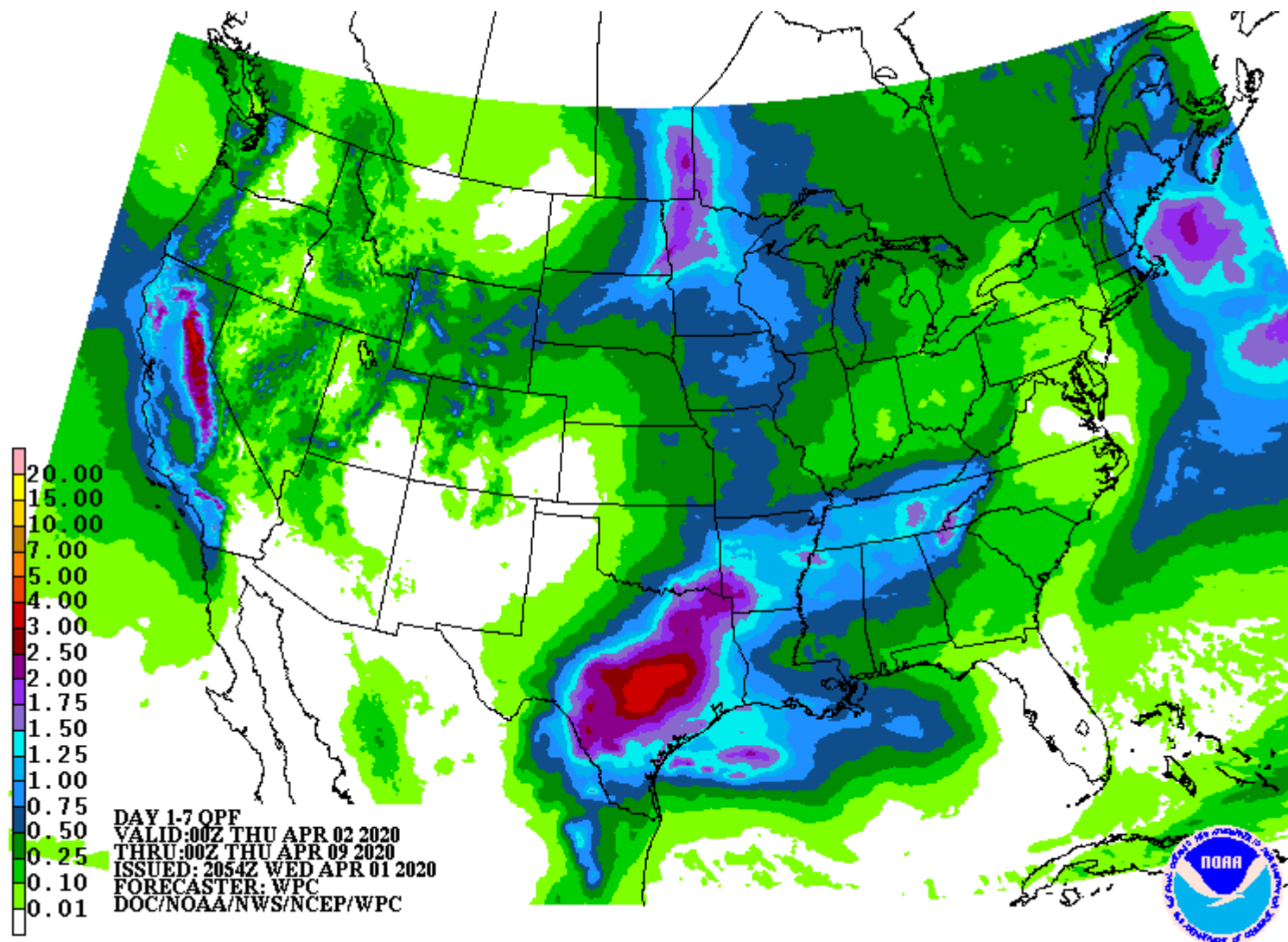
Sunday



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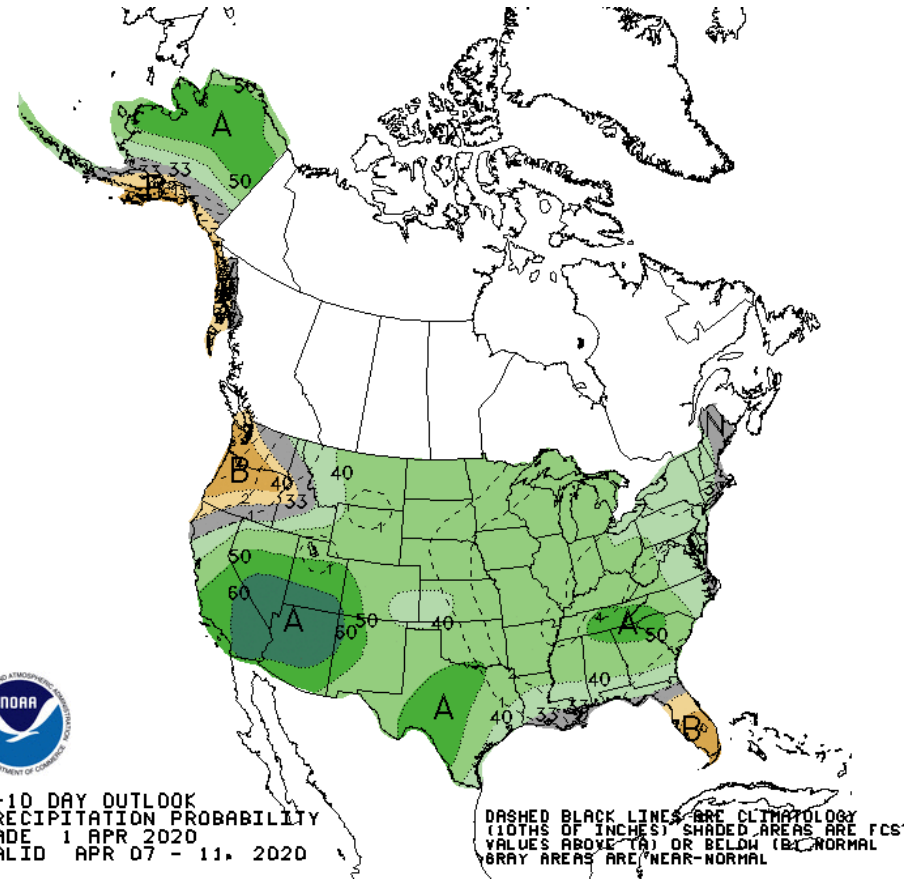
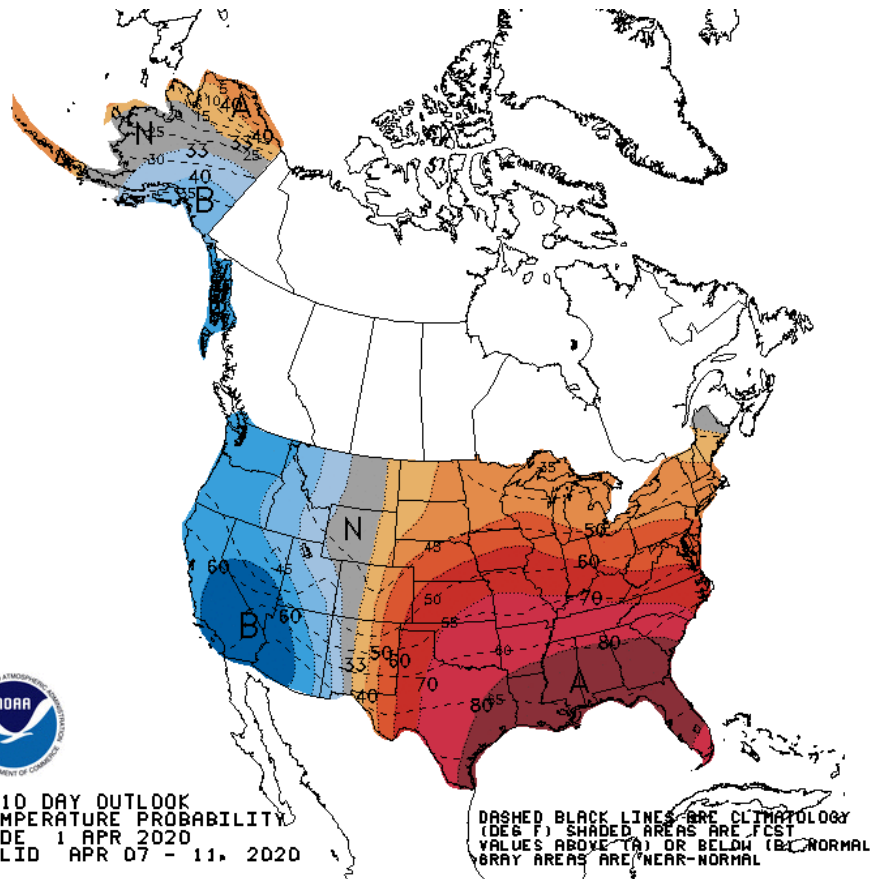
# Weather for the Week Ahead



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# 6-10 Day Outlook



Highs: 55-62°F; Lows: 35-41°F; Precip: 0.85-1.05" (per week)

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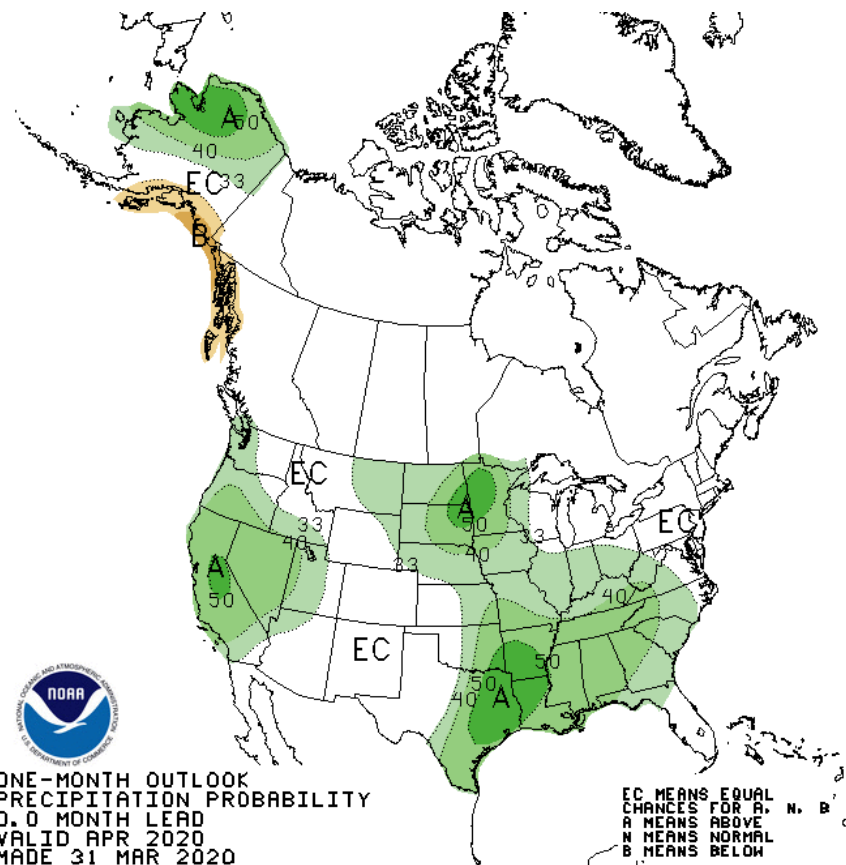
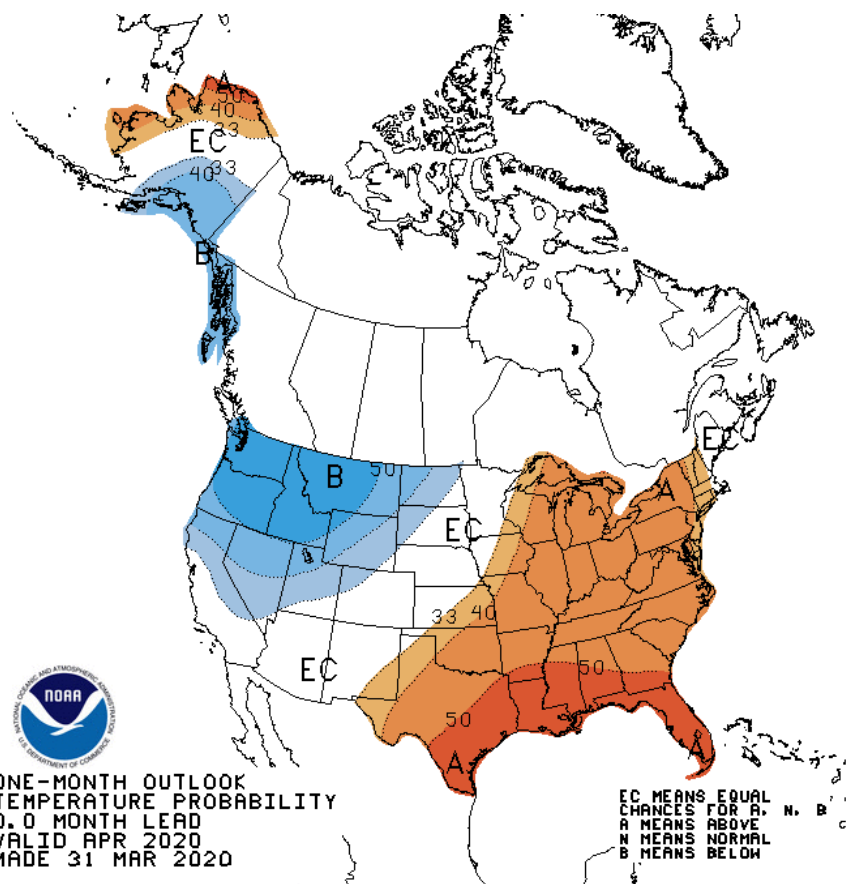
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# April Outlook



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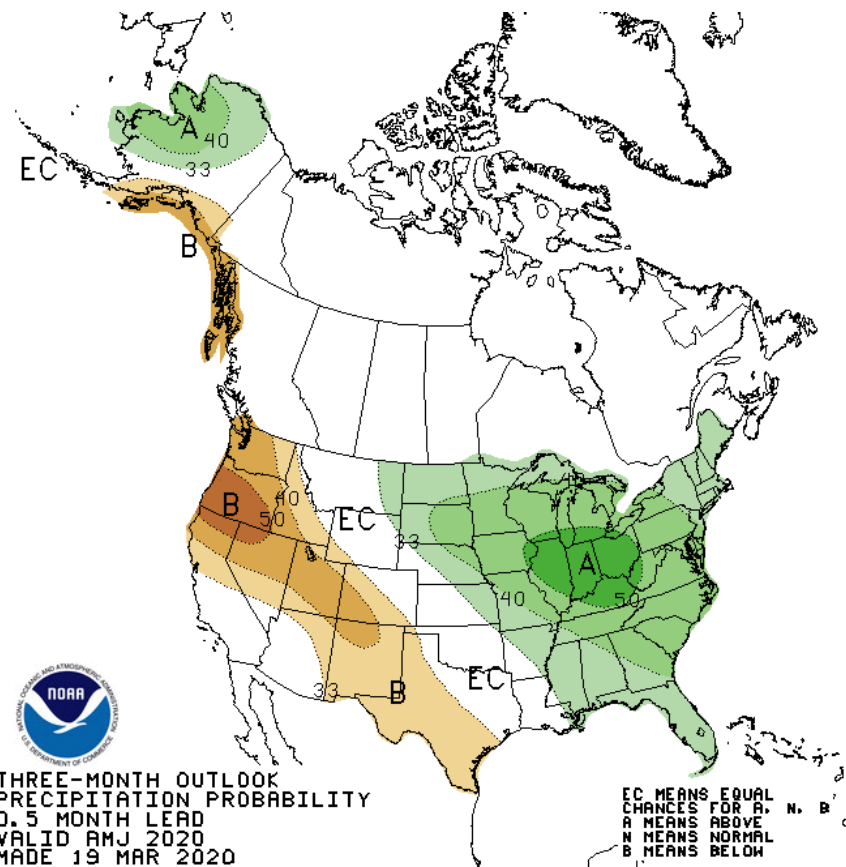
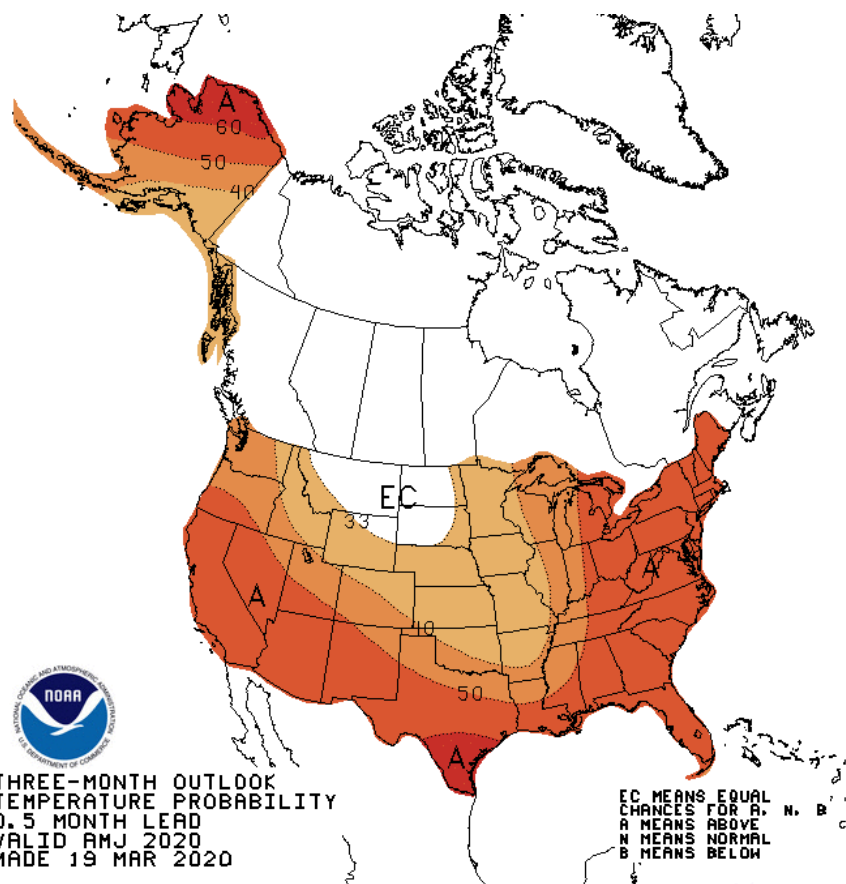
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# April - June



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# Summary of Conditions



**Drought Monitor:** None

**Climate Recap:** Generally warmer and wetter than average of late

**Ahead:** Mild temperatures likely to continue with much drier week ahead



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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](http://www.ncdc.noaa.gov)
  - Monthly climate reports (U.S. & Global): [www.ncdc.noaa.gov/sotc/](http://www.ncdc.noaa.gov/sotc/)
- NOAA's Climate Prediction Center: [www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)
- USDA Midwest Climate Hub:  
<https://www.climatehubs.oce.usda.gov/hubs/midwest>
- Climate Portal: [www.climate.gov](http://www.climate.gov)
- U.S. Drought Portal: [www.drought.gov](http://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://cocorahs.org>
- Song: "Wishful Thinking" by Dan Lebowitz