Hydrologic and Climate Assessment March 11, 2020

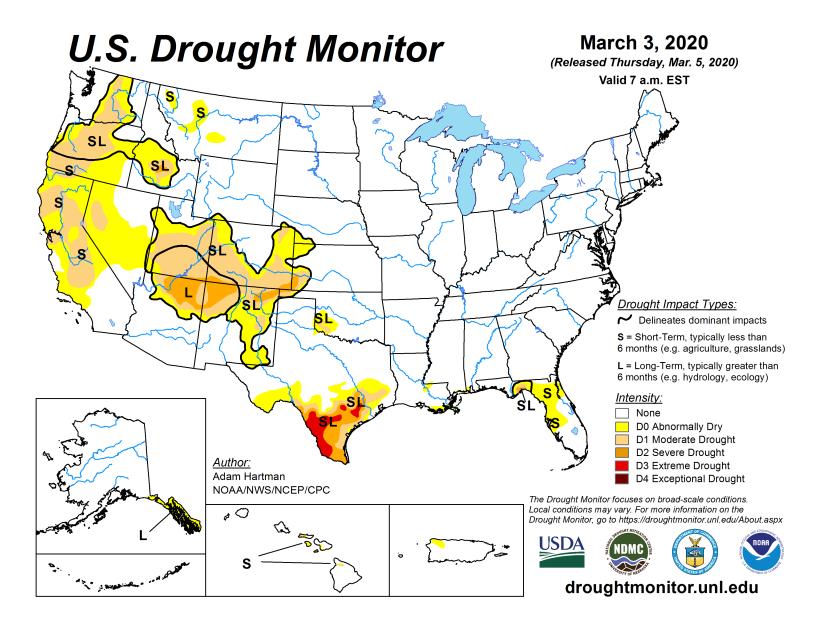


Photo Credit: Garth Ruff



Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY



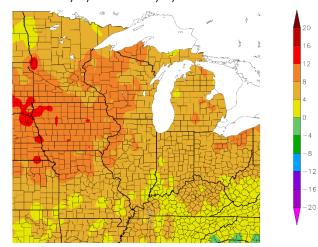


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Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F) 3/3/2020 - 3/9/2020



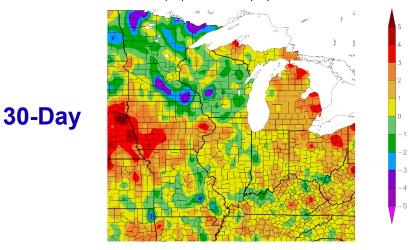
Generated 3/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



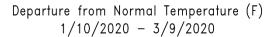
The Ohio State University

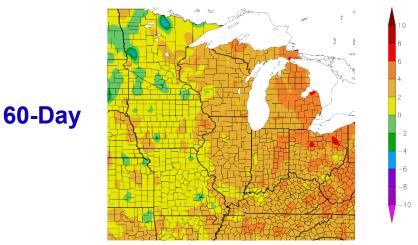
Departure from Normal Temperature (F) 2/9/2020 - 3/9/2020



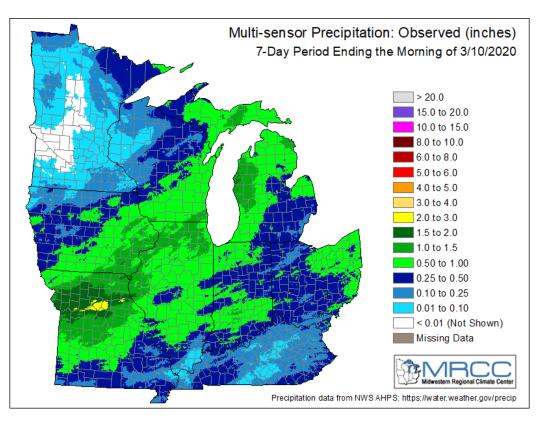
Generated 3/10/2020 at HPRCC using provisional data.

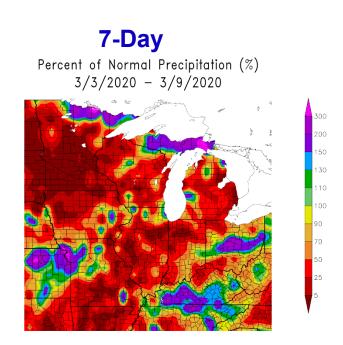
NOAA Regional Climate Centers





This Week's Precipitation





Generated 3/10/2020 at HPRCC using provisional data.

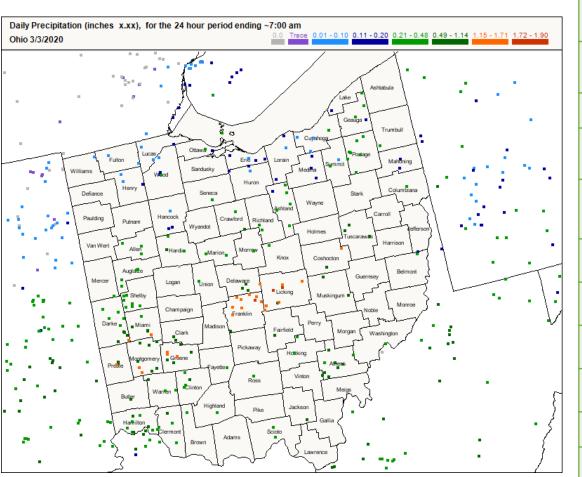
NOAA Regional Climate Centers



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CoCoRaHS

Top 10 Wettest



CoCoRaHS Name	Total Precip (inches)
Sunbury 5.7 ESE	9.88
Fayetteville 0.5 W	9.74
Reynoldsburg 1.1 ENE	9.74
Lima 2.7 NE	9.70
Granville 4.0 N	9.70
Eaton 1.0 N	9.58
Columbus 8.2 NE	9.55
Eaton 1.1 WSW	9.52
Athens 2.3 SSE	9.47
Kirkersville 3.3 N	9.45

https://cocorahs.org/

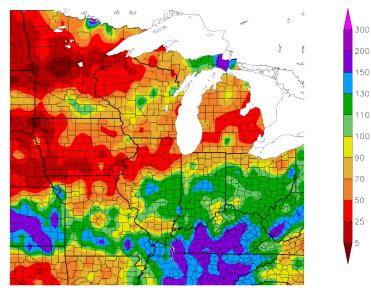
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Precipitation Differences Compared to Average (1981-2010)

30-Day

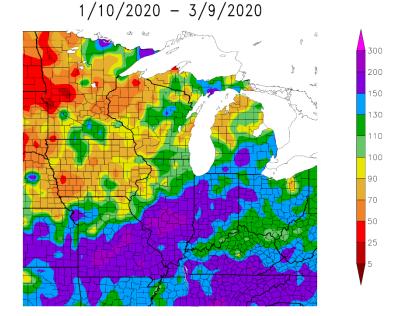
Percent of Normal Precipitation (%) 2/9/2020 - 3/9/2020



Generated 3/10/2020 at HPRCC using provisional data.

Percent of Normal Precipitation (%)

60-Day



NOM Regional Climate Centers Generated 3/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



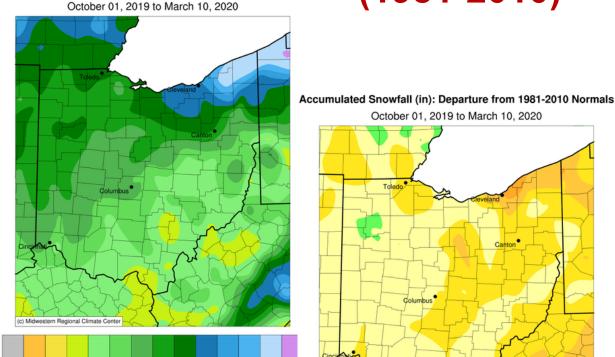


Snowfall and Differences Compared to Average

(1981-2010)

October 01, 2019 to March 10, 2020

Accumulated Snowfall (in)



2.5 5 7.5 10 15 20 30 40 50 60 80 0.01 1 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 3/11/2020 8:19:10 AM CDT



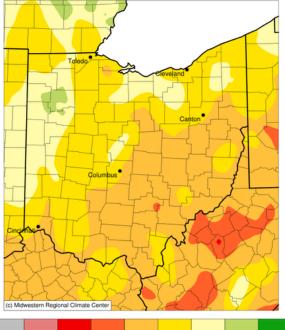
The Ohio State University

-70

Toledo Canton Columbus 2 (c) Midwestern Regional Climate Center -60 -50 -40 -30 -20 -10 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 3/11/2020 8:19:45 AM CDT

Accumulated Snowfall (in): Percent of 1981-2010 Normals

October 01, 2019 to March 10, 2020

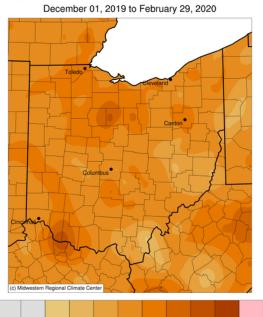


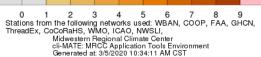
50 75 100 125 5 10 25 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 3/11/2020 8:20:40 AM CDT

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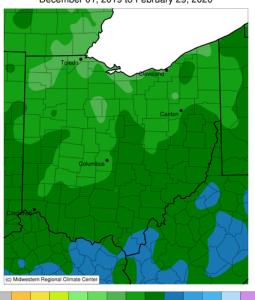
Winter (Dec-Feb) 2020

Average Temperature (°F): Departure from 1981-2010 Normals





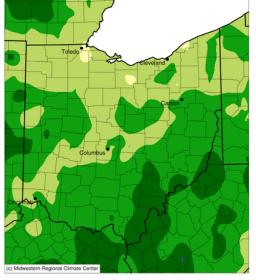
Accumulated Precipitation (in) December 01, 2019 to February 29, 2020



0.01 0.5 1 2 3 5 7.5 10 15 20 25 30 40 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at 3/5/2020 10:38:19 AM CST

Accumulated Precipitation (in): Percent of 1981-2010 Normals

December 01, 2019 to February 29, 2020



50 75 100 125 150 175 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 3/5/2020 10:41:57 AM CST

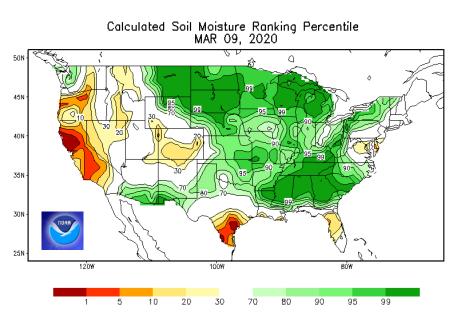
5th Warmest/22nd Wettest (1895-present)

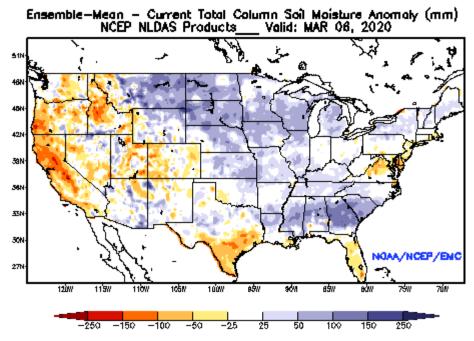




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Soil Moisture

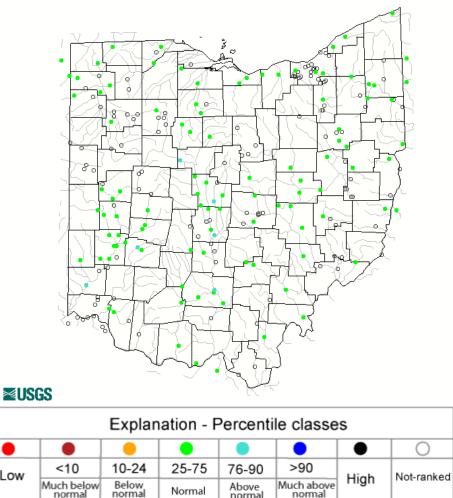




STATE CLIMATE OFFICE OF OHIO (SCOO) COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES DEPARTMENT OF EXTENSION BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

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7-DAY

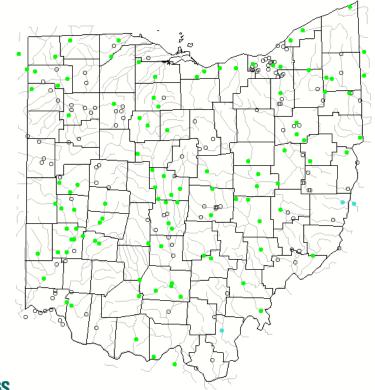


Average streamflow compared to historical streamflow for the day of the year

normal

USGS Streamflow

28-DAY



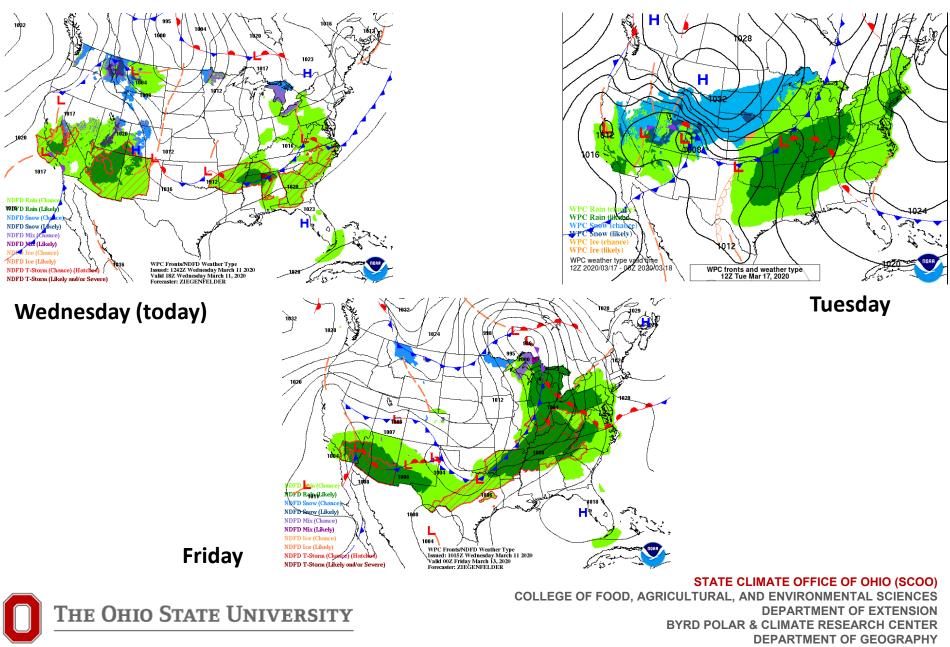
≊USGS

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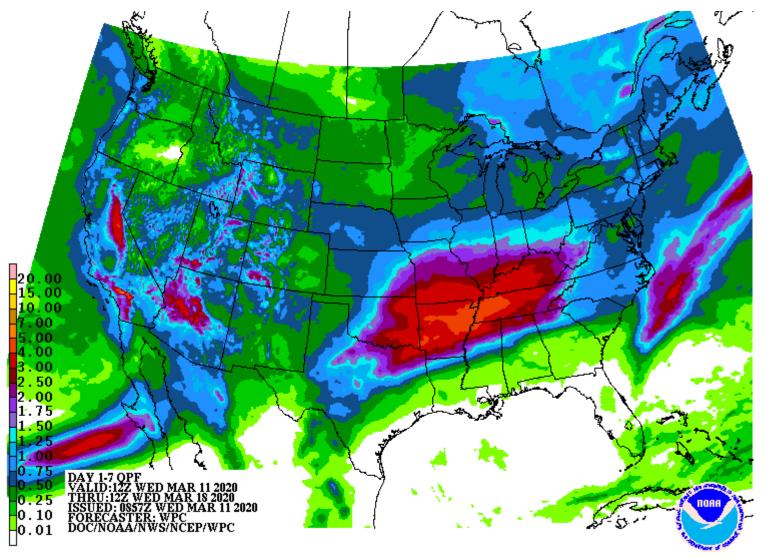
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Low

Weather for the Week Ahead

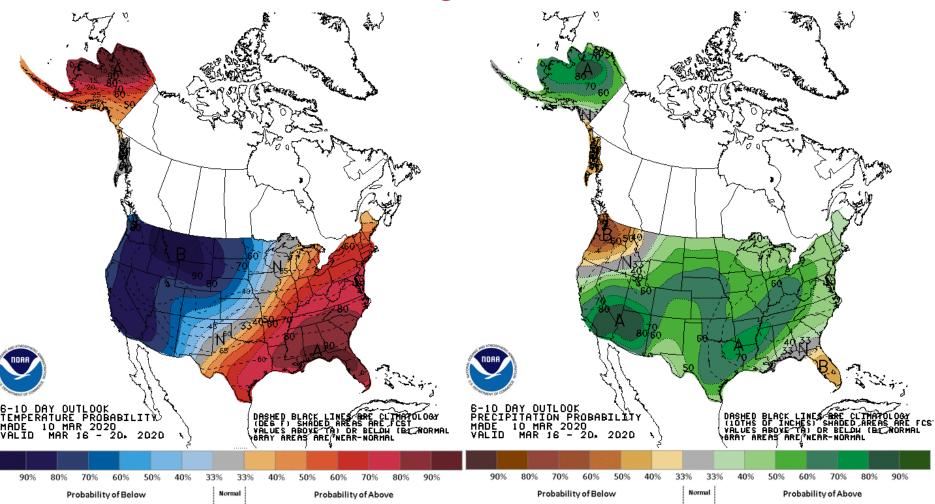


Weather for the Week Ahead





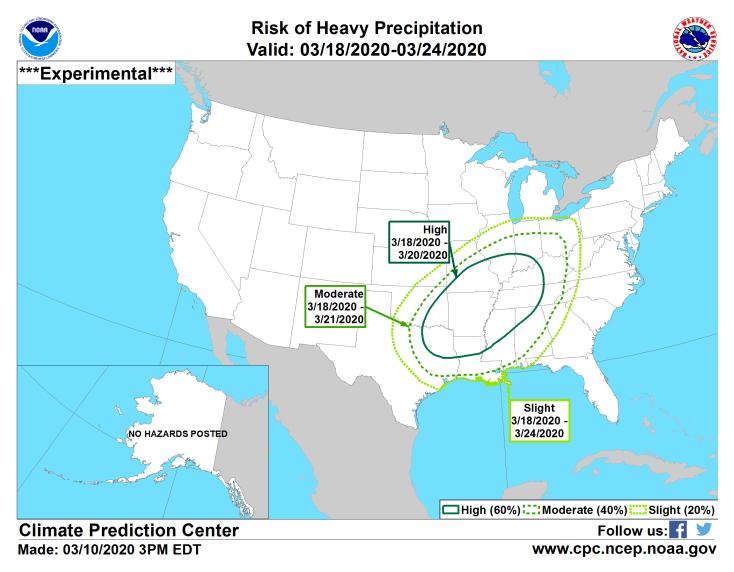
6-10 Day Outlook



Highs: 45-52°F; Lows: 27-33°F; Precip: 0.70-0.85" (per week)

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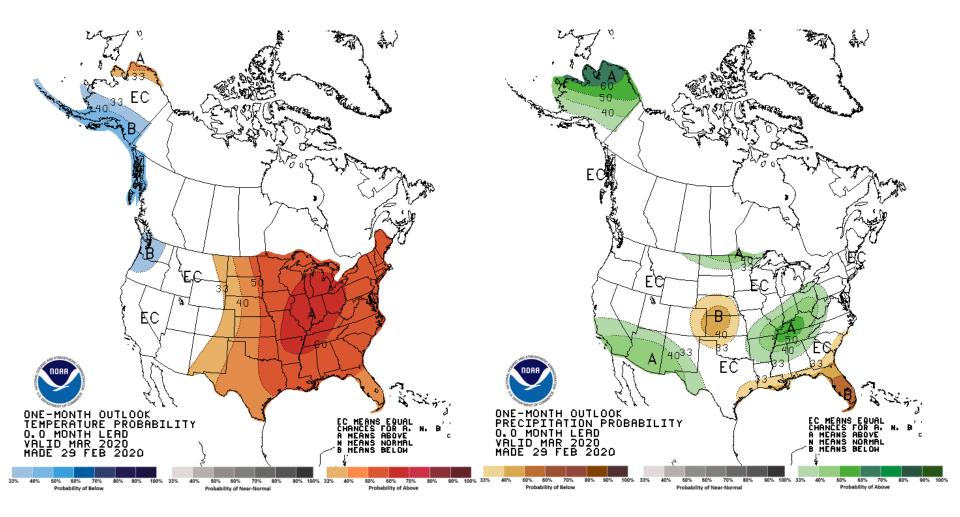
Risk Outlook



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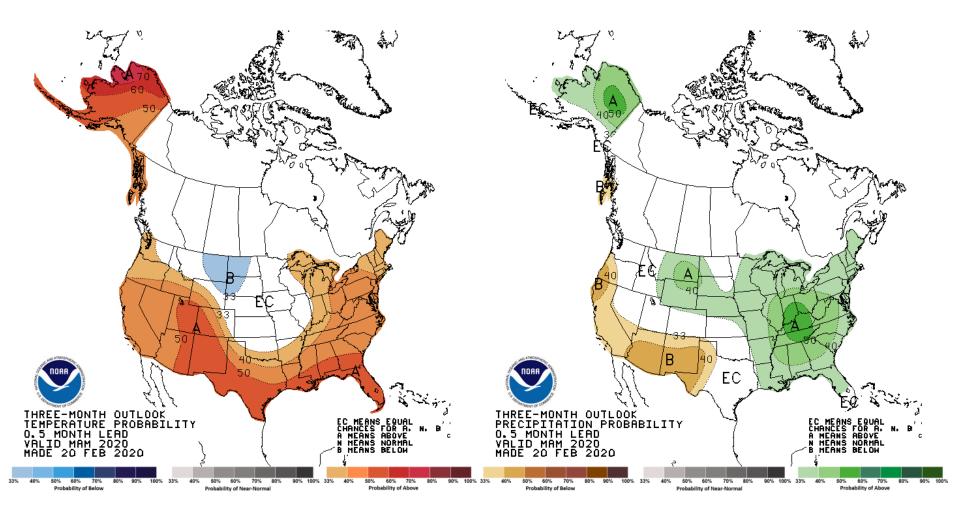


March Outlook



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March – May



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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 ample opportunities for precipitation

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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