

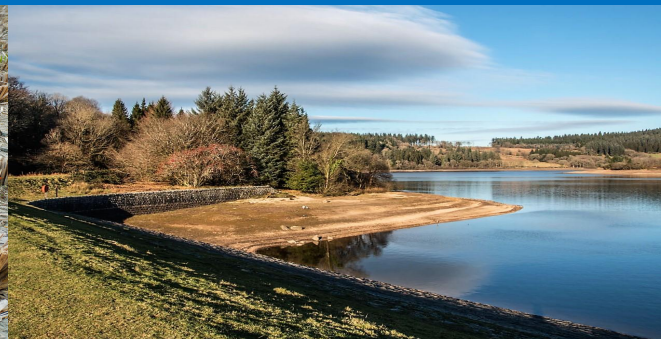
Drought Information Statement for Northeast Kansas

Valid March 13, 2024

Issued By: NWS Topeka

Contact Information: nws.topeka@noaa.gov

- This product will be updated April 11, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/top/DroughtInformationStatement> for previous statements.



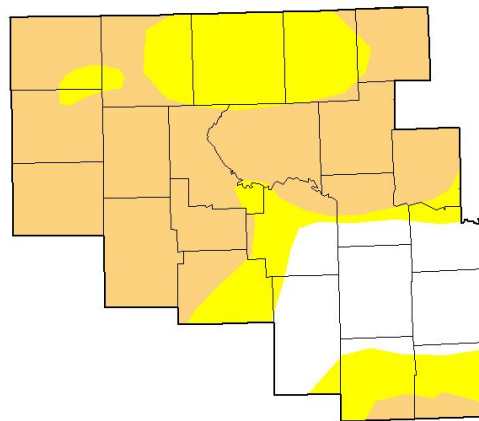


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Kansas

- Drought continues for around half of the area due to below precipitation from the spring to mid-fall of 2023
- Drought intensity and extent:
 - D1 (Moderate Drought): Anderson, Brown, Clay, Cloud, Coffey, Dickinson, Geary, Jackson, Jefferson, Morris, Nemaha, Ottawa, Pottawatomie, Republic, Riley, Shawnee, Wabaunsee, and Washington Counties
 - D0 (Abnormally Dry): Douglas, Lyon, and Marshall Counties

U.S. Drought Monitor Topeka, KS WFO



March 5, 2024

(Released Thursday, Mar. 7, 2024)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|--------|-------|-------|-------|------|
| Current | 19.53 | 80.47 | 54.03 | 0.00 | 0.00 | 0.00 |
| Last Week 02-27-2024 | 19.52 | 80.48 | 54.03 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago 12-05-2023 | 0.00 | 100.00 | 86.64 | 30.83 | 0.66 | 0.00 |
| Start of Calendar Year 01-01-2024 | 9.71 | 90.29 | 73.01 | 24.15 | 0.00 | 0.00 |
| Start of Water Year 09-26-2023 | 4.02 | 95.98 | 85.95 | 51.65 | 19.88 | 0.00 |
| One Year Ago 03-07-2023 | 56.28 | 43.72 | 10.87 | 0.68 | 0.02 | 0.00 |

Intensity

| | |
|---------------------|------------------------|
| None | D2 Severe Drought |
| D0 Abnormally Dry | D3 Extreme Drought |
| D1 Moderate Drought | D4 Exceptional Drought |

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>

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droughtmonitor.unl.edu



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

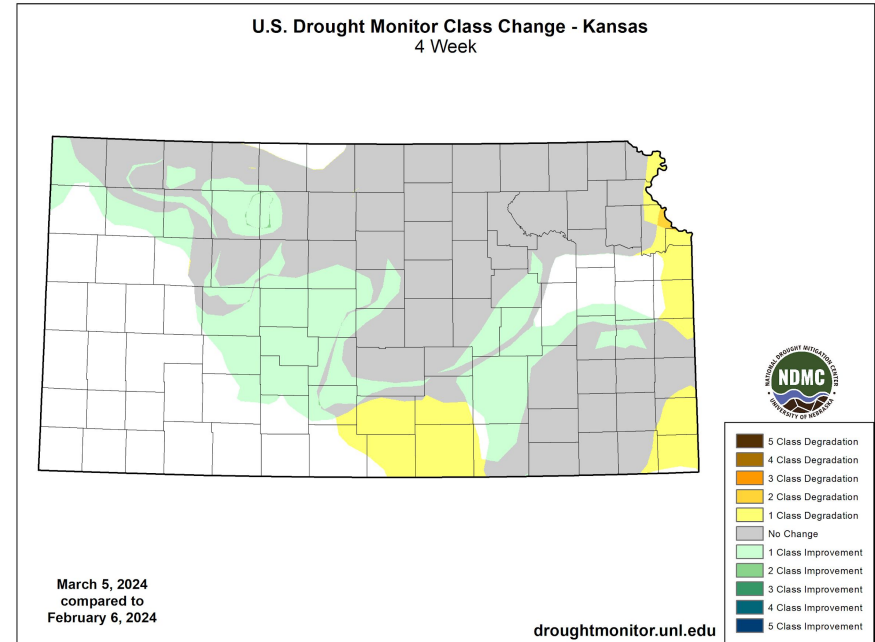
National Weather Service
Topeka, KS



Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for Kansas

- Four-Week Drought Monitor Class Change:
 - Improvements have occurred in east-central Kansas where heavier precipitation has fallen

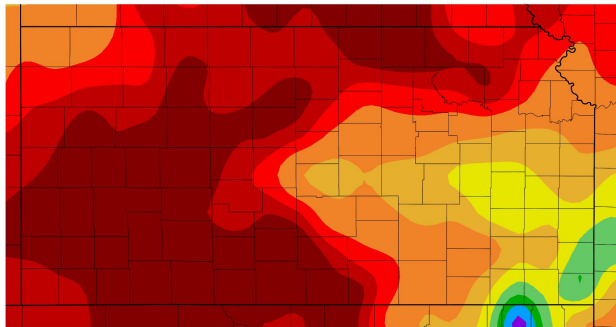




Precipitation

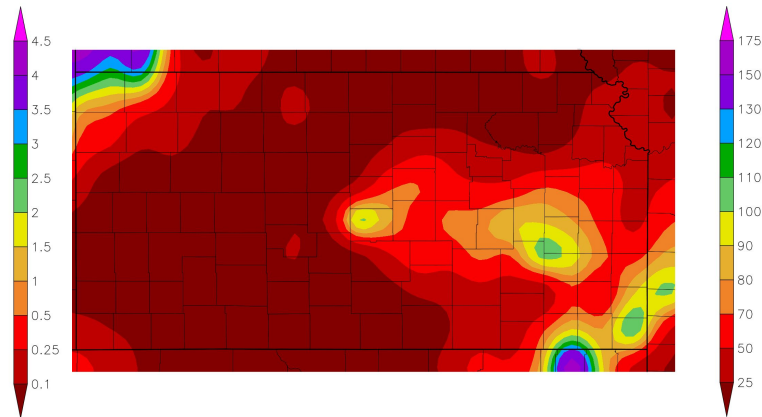
- Precipitation amounts of one tenth of an inch to around an inch were common over the past 30 days.
- These amounts are below normal for most locations.

Precipitation (in)
2/12/2024 – 3/12/2024



Generated 3/13/2024 at HPRCC using provisional data.

Percent of Normal Precipitation (%)
2/12/2024 – 3/12/2024



NOAA Regional Climate Centers dated 3/13/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

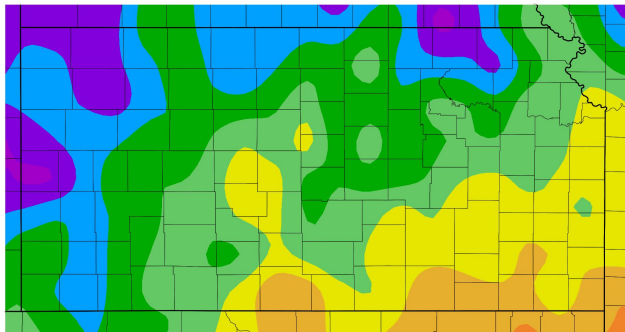




Temperature

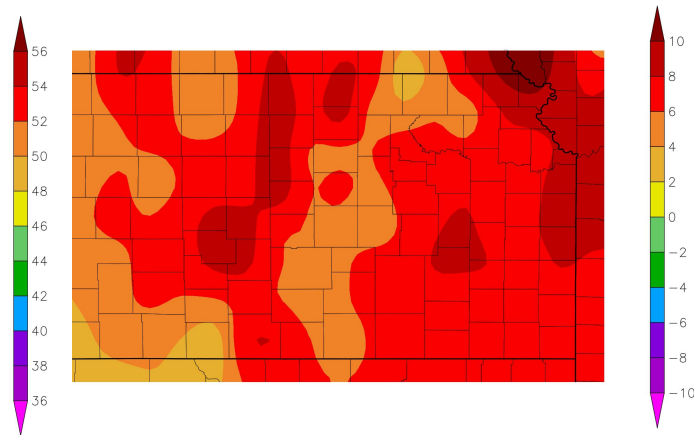
- Temperatures have averaged to be roughly five to eight degrees above normal over the past 30 days.

Temperature (F)
2/12/2024 – 3/12/2024



Generated 3/13/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)
2/12/2024 – 3/12/2024



NOAA Regional Climate Centers ⁰²⁴ at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- River gages across the area indicated flows from above normal to near mid-March minimums. The elevation of area reservoirs range from within one foot to four feet below conservation pool levels.

Soil Moisture Impacts

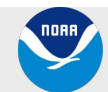
- The Climate Prediction Center reports soil moisture deficits roughly in the zero to two-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as four percent very short and 26 percent short across the state.

Agricultural Impacts

- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as five percent very poor and eight percent poor.

Mitigation Actions

- None known





Hydrologic Conditions and Impacts

- River gages across the area indicated flows from above normal to near mid-March minimums.
- The elevation of area reservoirs range from within one foot to four feet below conservation pool levels.

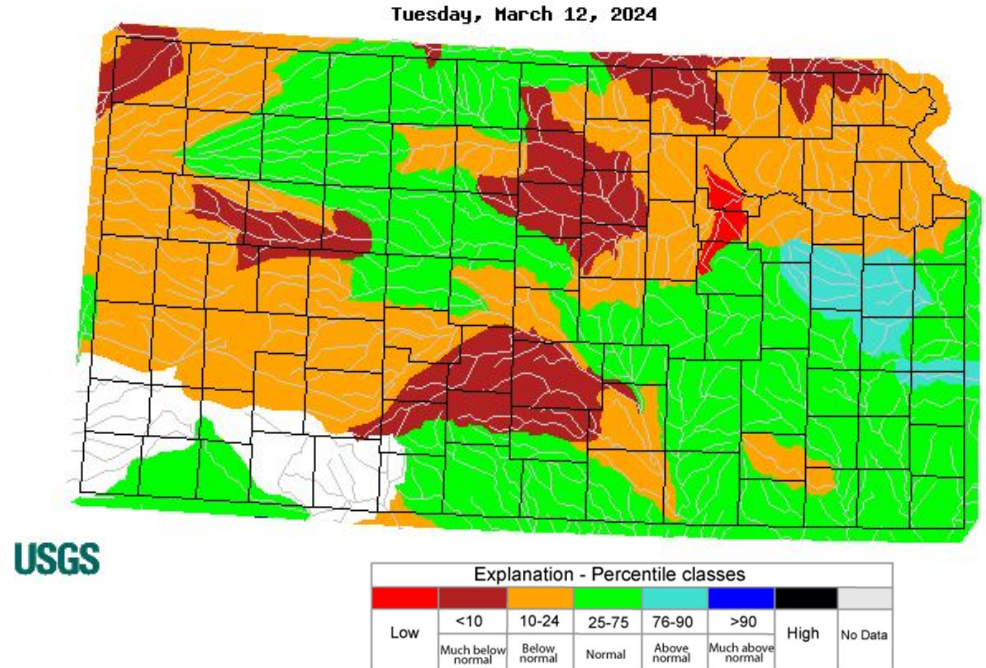
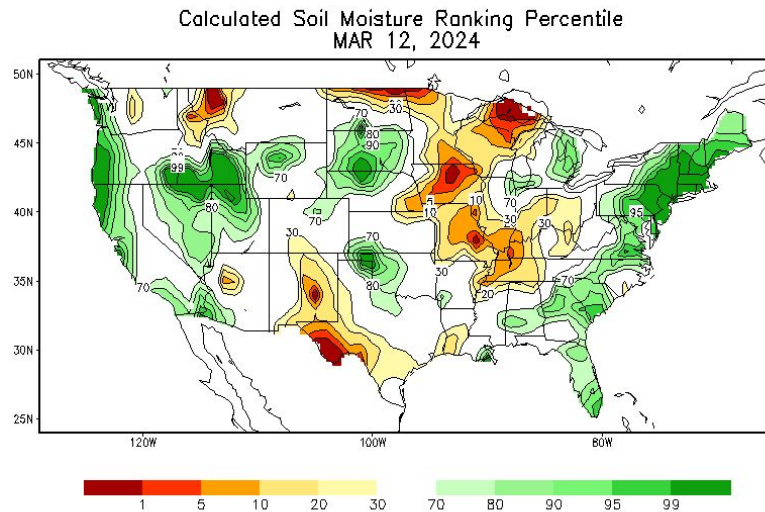
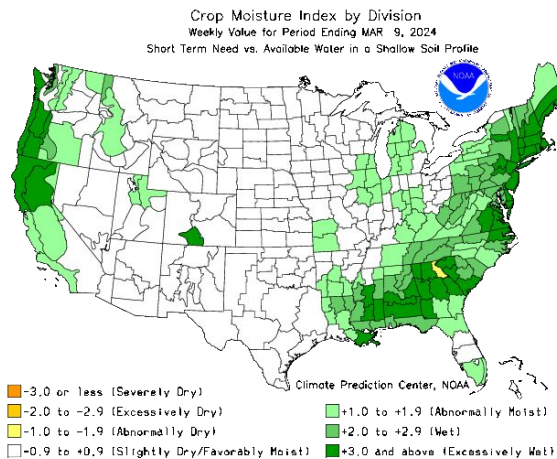


Image Caption: USGS 7-day average streamflow HUC map



Agricultural Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the zero to two-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as four percent very short and 26 percent short across the state.
- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as five percent poor and eight percent poor.

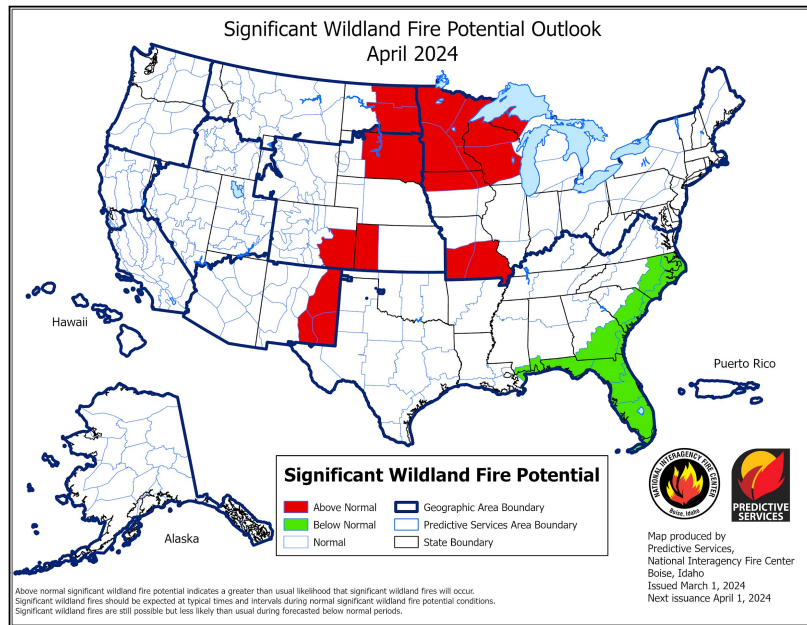
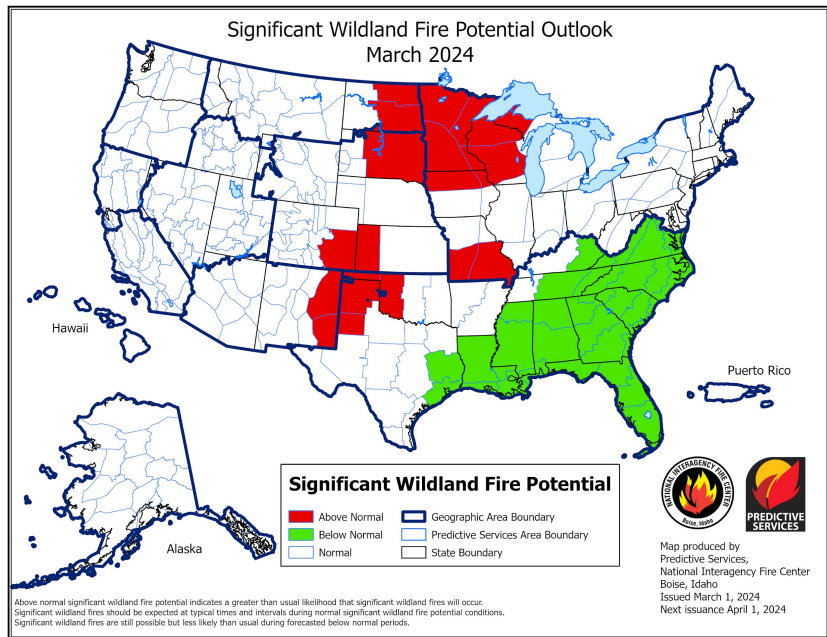




Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- The wildland fire potential outlooks indicate near normal fire potential.



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Topeka, KS



Seven Day Precipitation Forecast

- Precipitation through early March 20 is expected to range from near zero to around one half inch.
- Normal precipitation for this time of year (over a one week period) is around four-tenths of an inch.

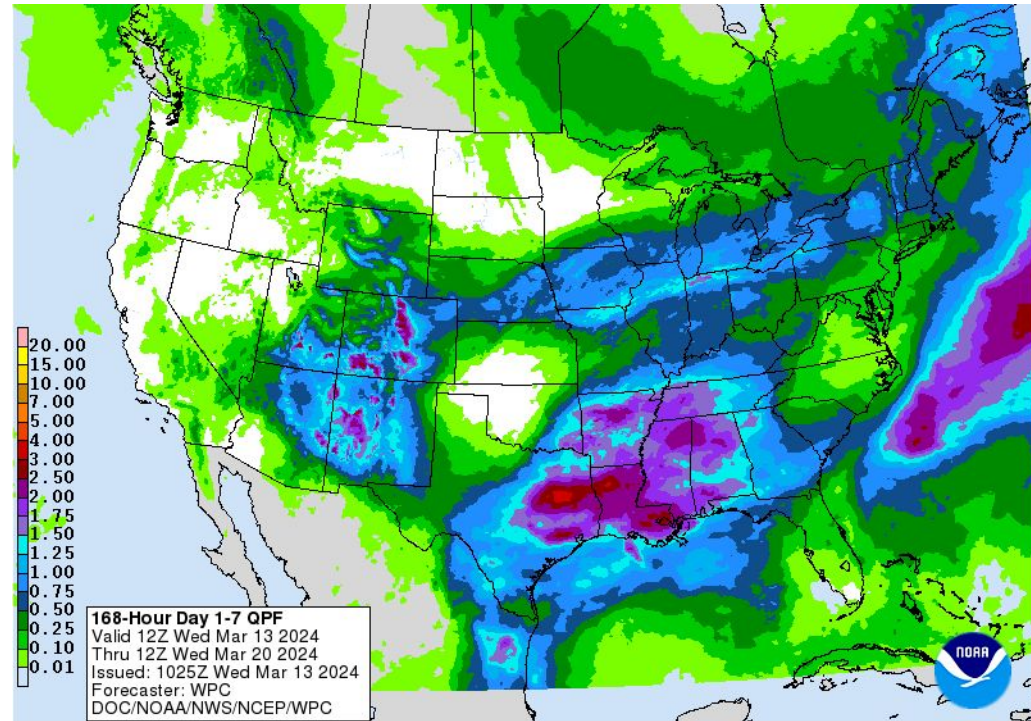


Image Caption: Weather Prediction Center [7-day precipitation forecast](#)



Rapid Onset Drought Outlook

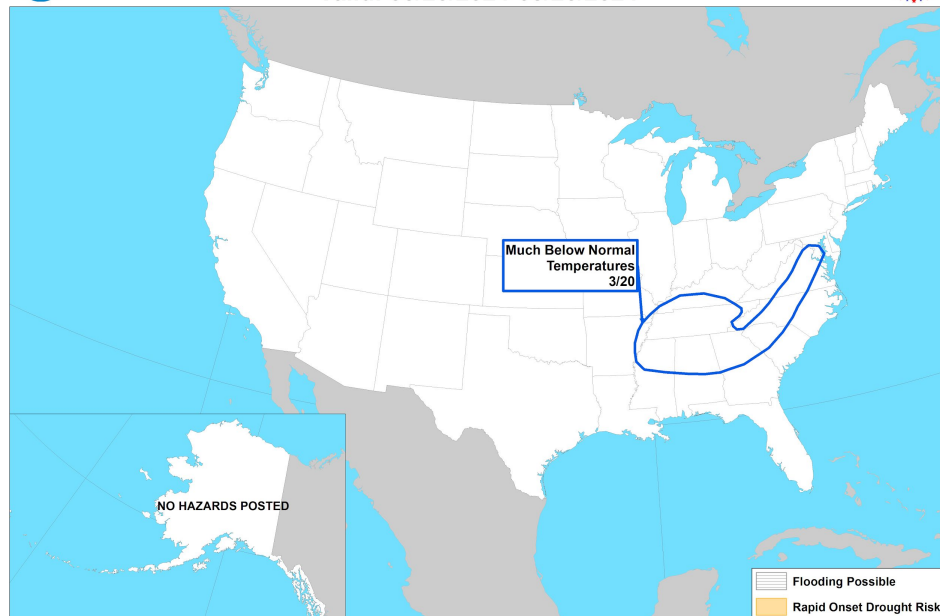
Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- No rapid onset drought is expected through the middle of March



Day 8-14 U.S. Hazards Outlook

Valid: 03/20/2024-03/26/2024



Climate Prediction Center

Made: 03/12/2024 3PM EDT

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www.cpc.ncep.noaa.gov



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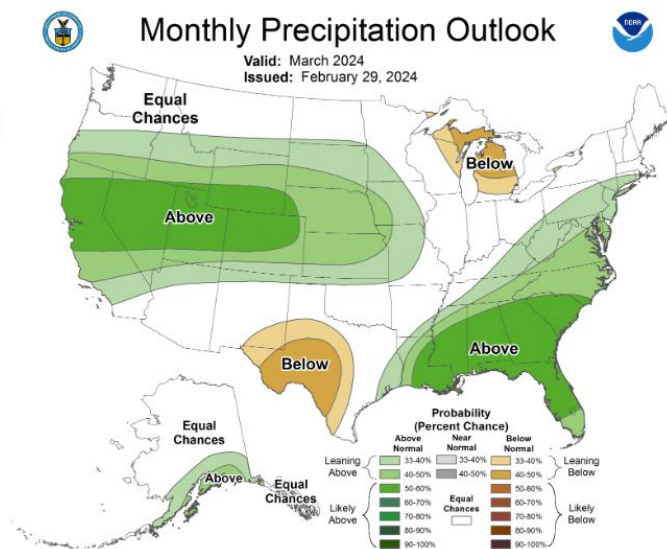
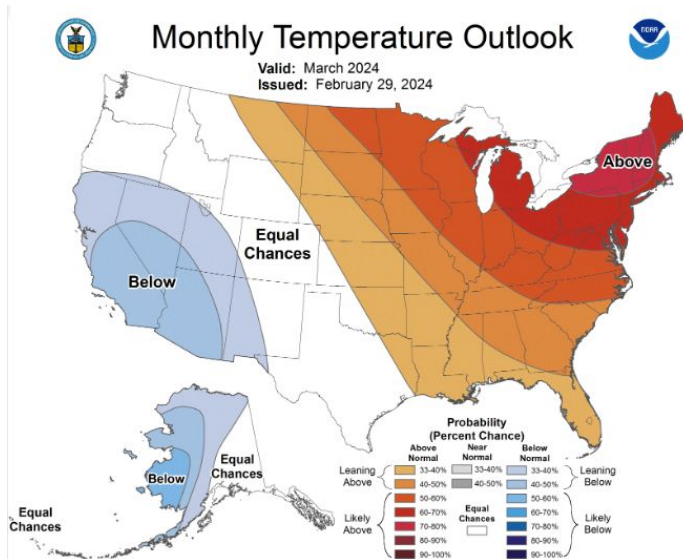
National Weather Service
Topeka, KS



Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- There is a greater than equal chance for above normal temperatures for March.
- There is a greater than equal chance for above normal precipitation for much of the area for March.



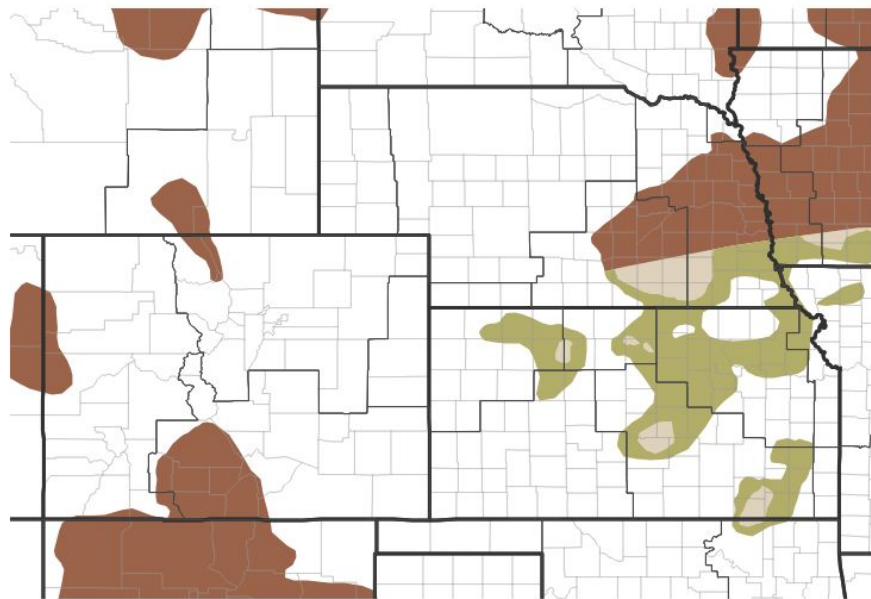


Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions are predicted to end in March.

1-Month Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 03/07/24

