



# Drought Information Statement for Northeast Kansas

Valid December 7, 2023

Issued By: NWS Topeka

Contact Information: [nws.topeka@noaa.gov](mailto:nws.topeka@noaa.gov)

- This product will be updated December 7, 2023 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.



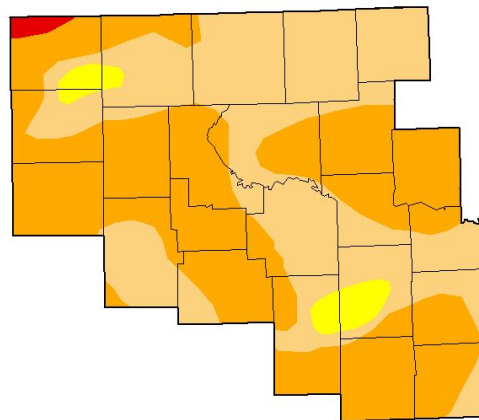


# U.S. Drought Monitor

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

- Drought continues across much of the area due to below precipitation from the spring to mid-fall
- Drought intensity and extent:
  - D3 (Extreme Drought): Republic County
  - D2 (Severe Drought): Anderson, Clay, Cloud, Coffey, Dickinson, Douglas, Franklin, Geary, Jackson, Jefferson, Lyon, Marshall, Morris, Osage, Ottawa, Pottawatomie, Riley, Shawnee, Wabaunsee, and Washington Counties
  - D1 (Moderate Drought): Brown and Nemaha Counties

## U.S. Drought Monitor Topeka, KS WFO



**November 28, 2023**

(Released Thursday, Nov. 30, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	96.83	52.45	0.66	0.00
<b>Last Week</b> 11-21-2023	0.00	100.00	96.83	52.45	0.66	0.00
<b>3 Months Ago</b> 08-29-2023	9.95	90.05	74.30	32.95	8.78	0.00
<b>Start of Calendar Year</b> 01-01-2023	0.00	100.00	45.20	3.70	0.02	0.00
<b>Start of Water Year</b> 09-26-2022	4.02	95.98	85.95	51.65	19.88	0.00
<b>One Year Ago</b> 11-29-2022	0.00	100.00	45.20	4.46	0.03	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>

### Author

David Simeral  
Western Regional Climate Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

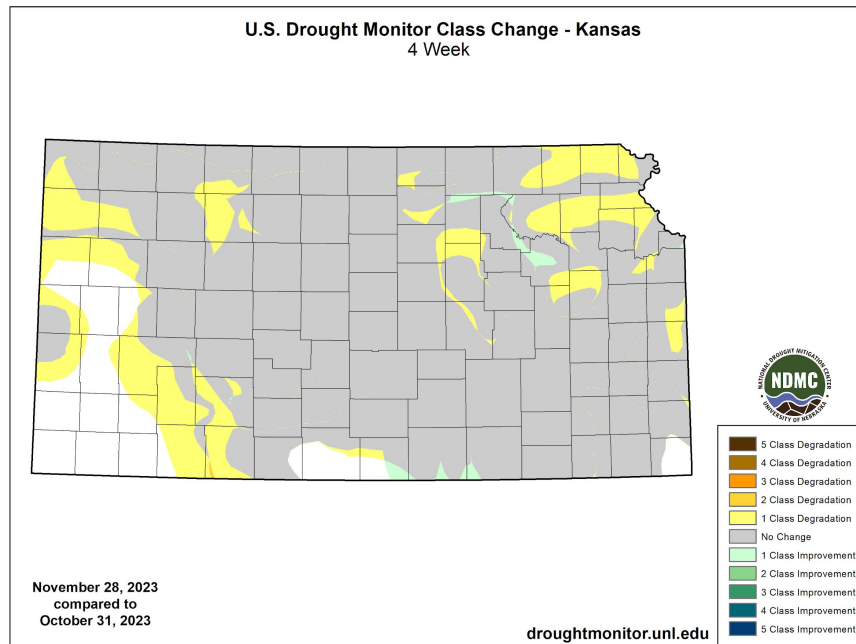
National Weather Service  
Topeka, KS



# Recent Change in Drought Intensity

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

- Four-Week Drought Monitor Class Change:
  - Changes have been minor in recent weeks with near-normal rainfall for much of the area
  - The areas of the most widespread degradations have been in northeast Kansas where precipitation has been the lowest in recent weeks.

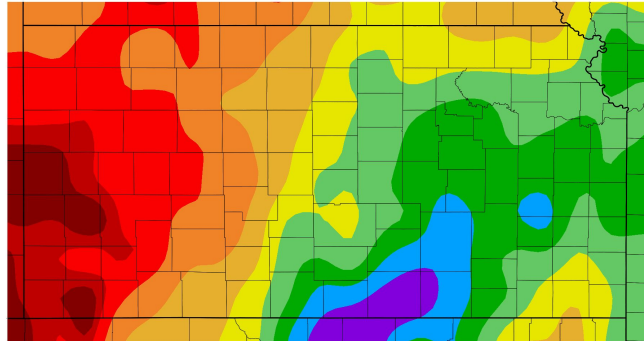




# Precipitation

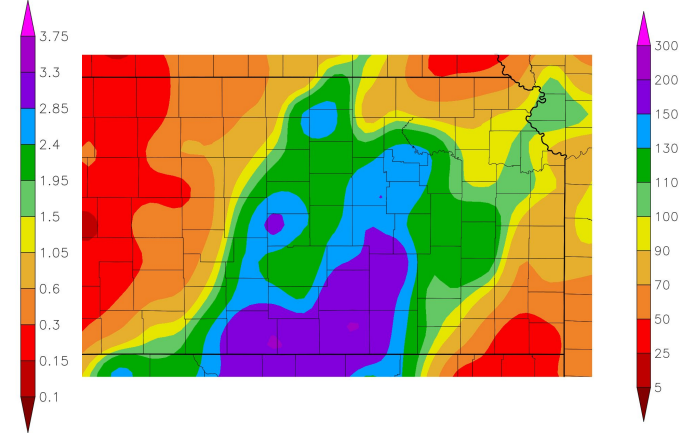
- Precipitation of one to two inches was common over the past 30 days, with higher amounts in southern areas and lower amounts in northern areas.
- These amounts range from 50 percent above normal in portions of north-central and east-central Kansas to around half of normal in northeast Kansas.

Precipitation (in)  
11/6/2023 - 12/5/2023



Generated 12/6/2023 at HPRCC using provisional data.

Percent of Normal Precipitation (%)  
11/6/2023 - 12/5/2023



NOAA Regional Climate Centers

23 at HPRCC using provisional data.

NOAA Regional Climate Center

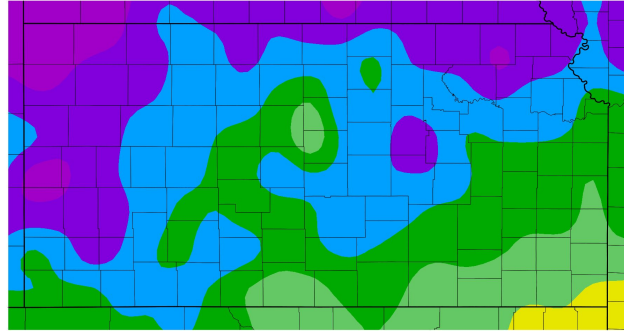




# Temperature

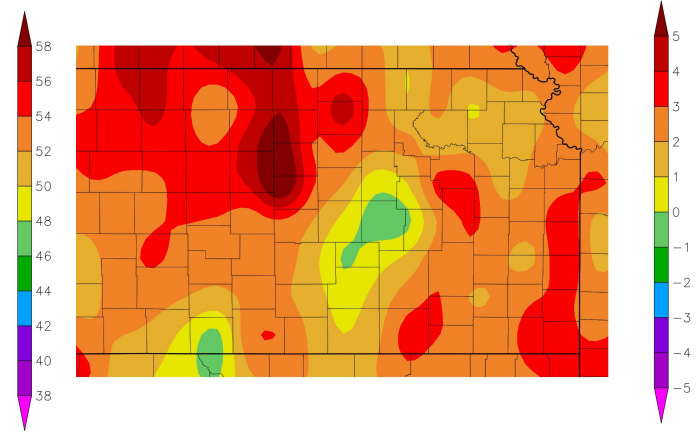
- Temperatures have averaged to be close to normal to a few degrees above normal over the past 30 days.

Temperature (F)  
11/6/2023 – 12/5/2023



Generated 12/6/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
11/6/2023 – 12/5/2023



NOAA Regional Climate Centers 023 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 gauges across the area indicated flows from near normal to near record lowest levels. The elevation of area reservoirs range from three feet above to eight feet below conservation pool levels.

## Soil Moisture Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the two- to three-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as 28 percent very short and 33 percent short across the state.

## Agricultural Impacts

- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as 16 percent very poor and 16 percent poor. Pasture and range conditions were rated as 24 percent very poor and 30 percent poor.

## Mitigation Actions

- None known





# Hydrologic Conditions and Impacts

- River gages across the area indicated flows from near normal to near record lowest levels.
- The elevation of area reservoirs range from within three feet above to eight feet below conservation pool levels.

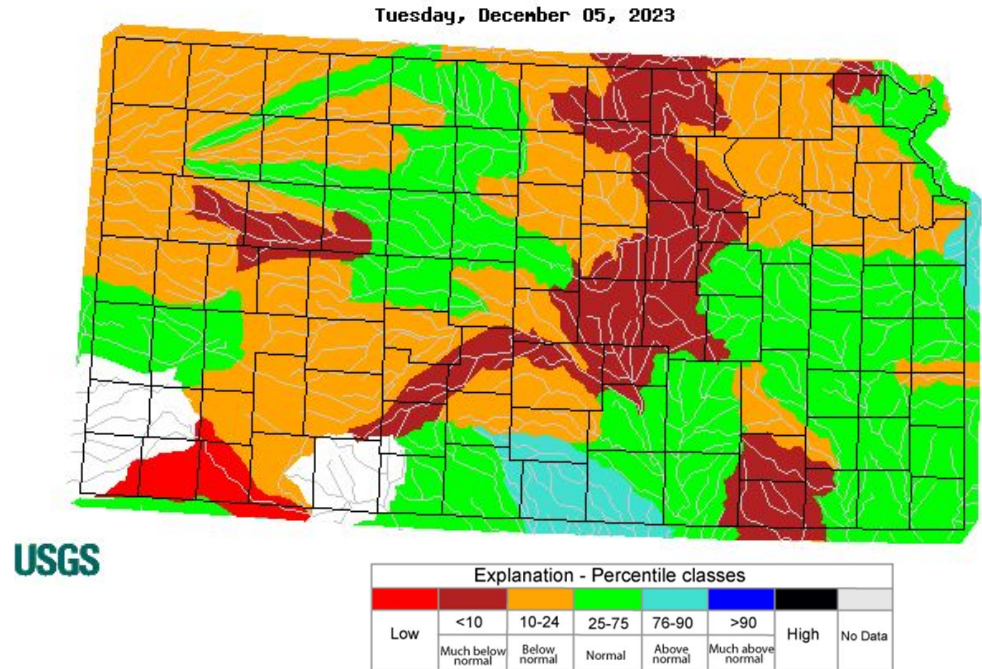
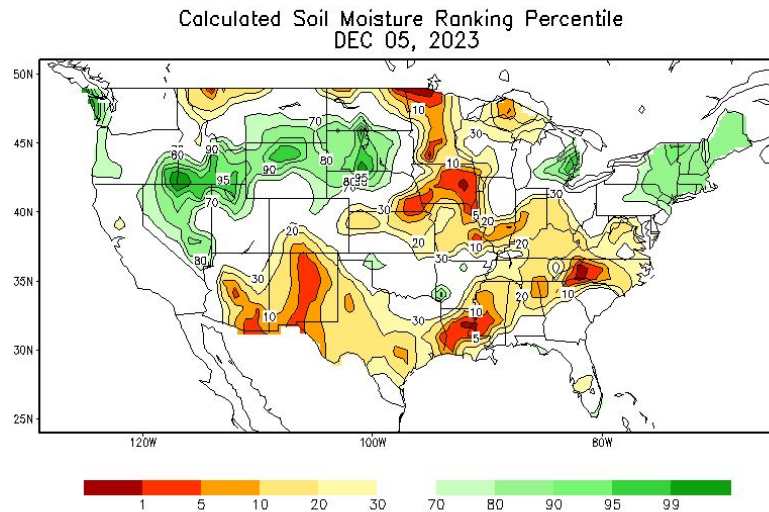
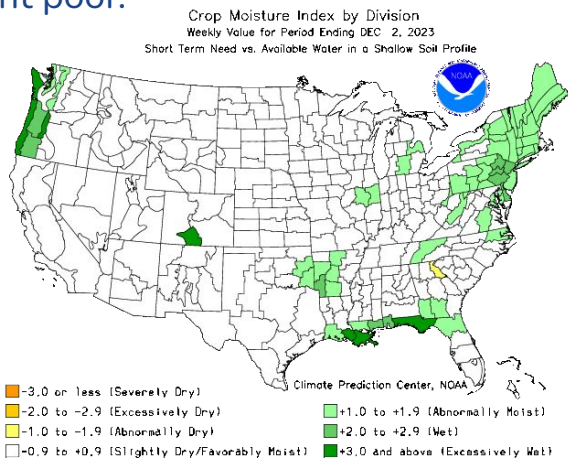


Image Caption: USGS 7-day average streamflow HUC map



# Agricultural Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the two- to three-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as 28 percent very short and 33 percent short across the state.
- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as 16 percent very poor and 16 percent poor. Pasture and range conditions were rated as 24 percent very poor and 30 percent poor.



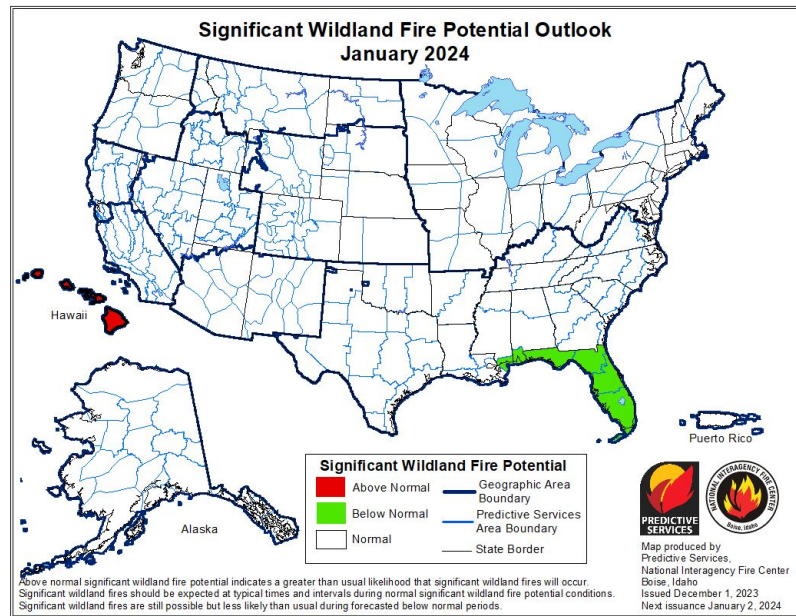
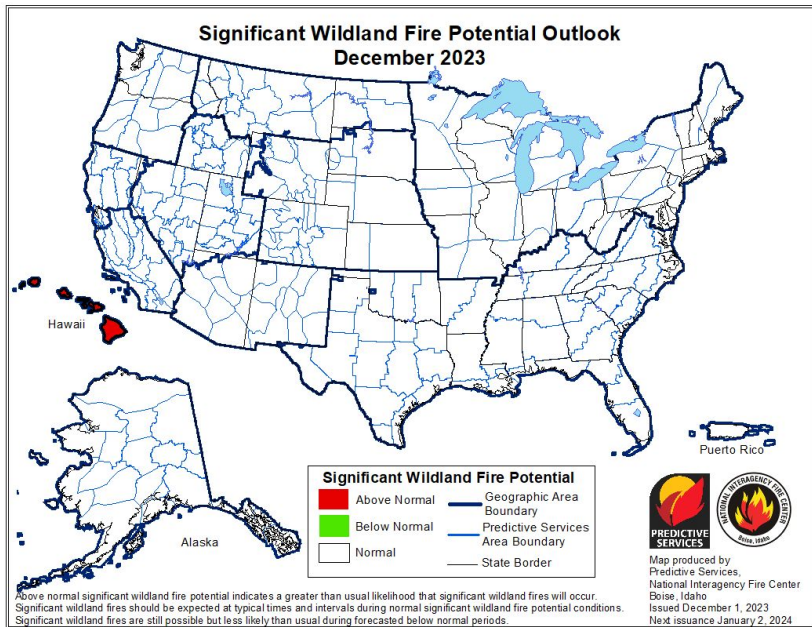




# Fire Hazard Impacts

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

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



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Topeka, KS



# Seven Day Precipitation Forecast

- Precipitation through December 14 is expected to be very light to up to one-half inch.
- Normal precipitation for this time of year (over a one week period) is around one-quarter inch.

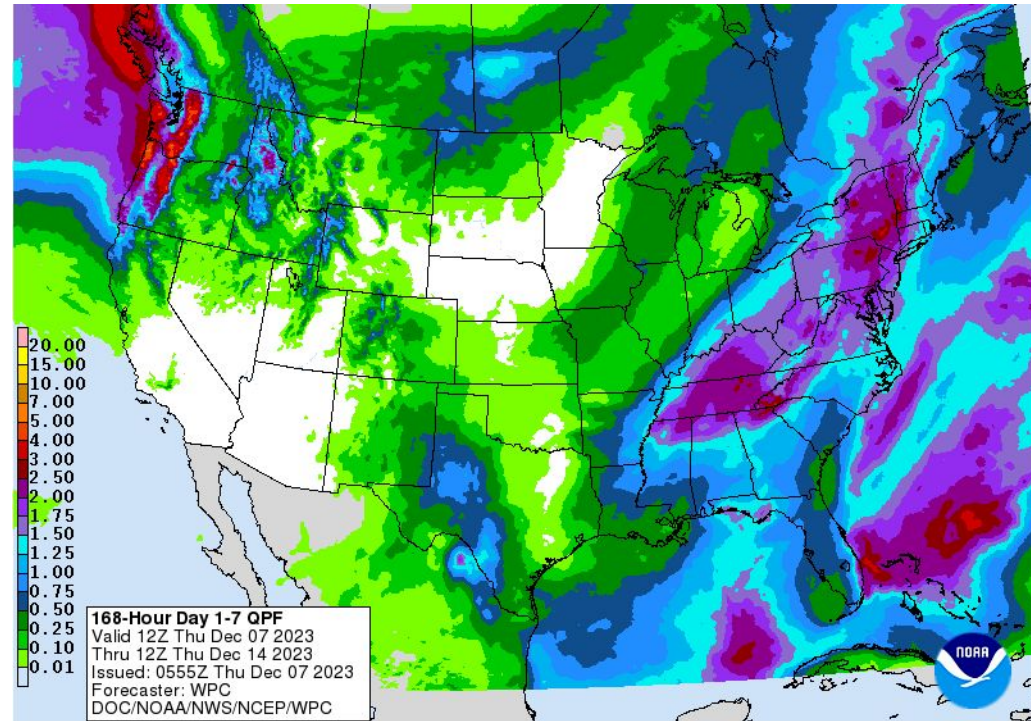


Image Caption: Weather Prediction Center [7-day precipitation forecast](#)



# Rapid Onset Drought Outlook

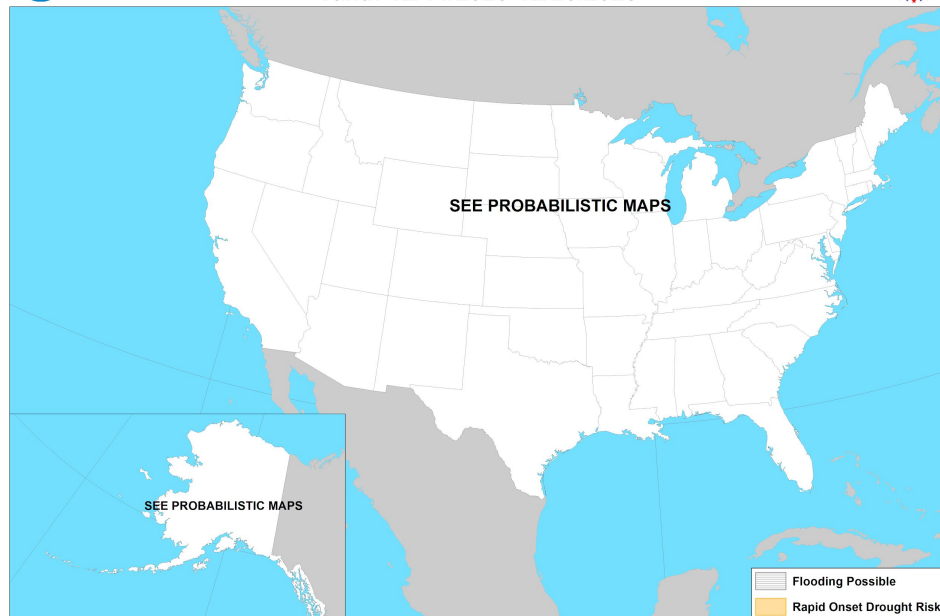
Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- No significant hazards are anticipated during the middle of December.



Day 8-14 U.S. Hazards Outlook

Valid: 12/14/2023-12/20/2023



Climate Prediction Center

Made: 12/06/2023 3PM EST

Follow us:

[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce

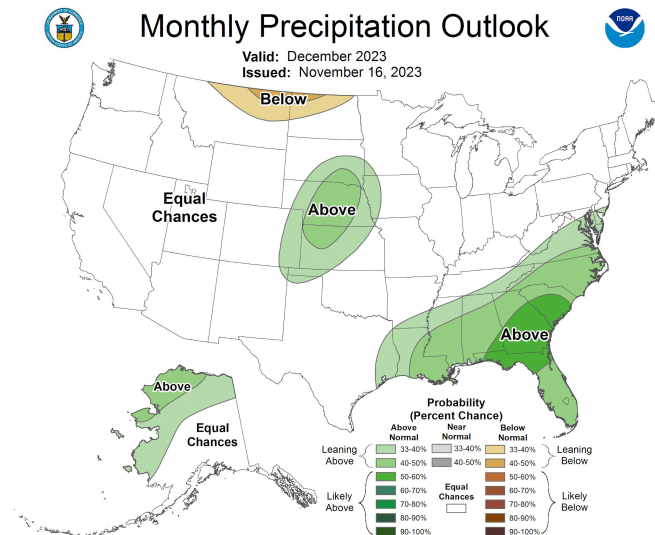
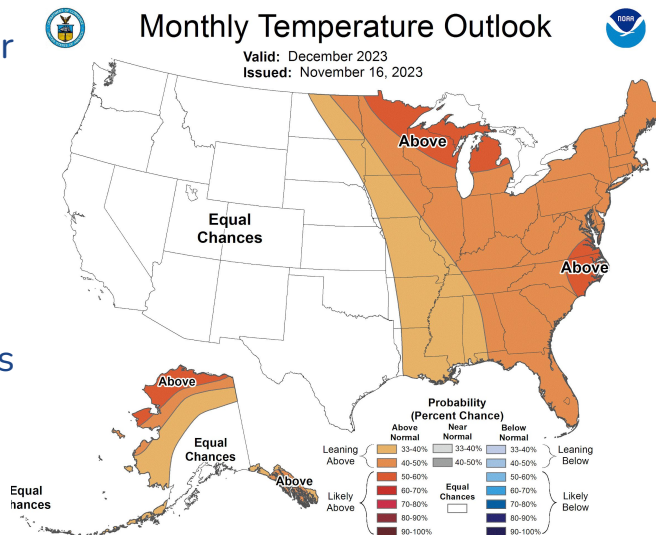
National Weather Service  
Topeka, KS



# Long-Range Outlooks

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

- There are equal chances for above, below, and near normal temperatures for December.
- There is a greater than equal chance for above normal precipitation in north-central and portions of northeast Kansas for December.





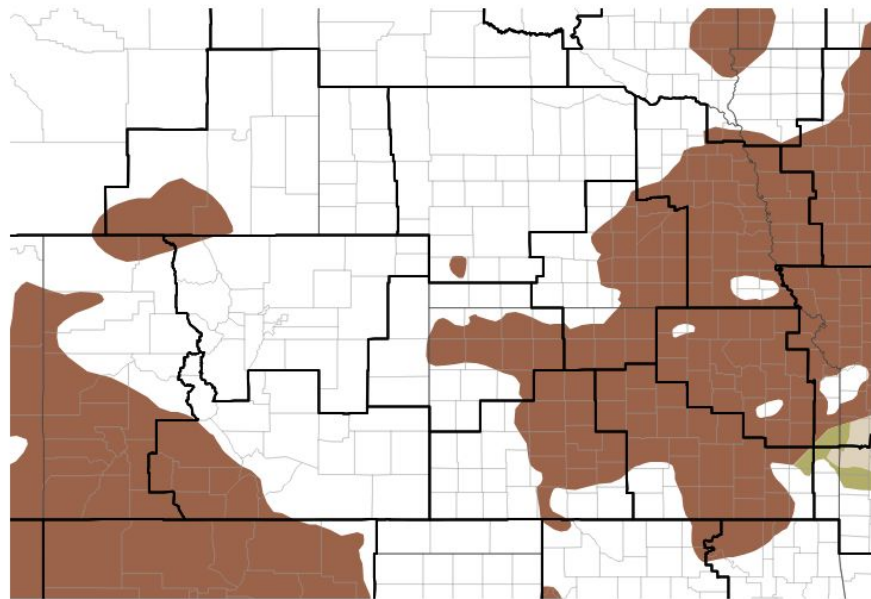


# Drought Outlook

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

- Drought conditions are expected to continue in December.

## 1-Month Drought Outlook



### Drought Is Predicted To...



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

Data Valid: 11/30/23

