



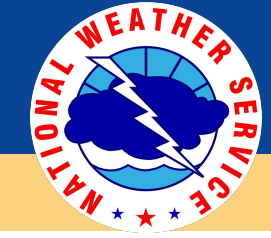
Drought Information Statement for Kansas

Current Status, Impacts, and Outlook

Issued By: Wichita's National Weather Service

Contact information: w-ict.webmaster@noaa.gov





Current Drought Conditions - Kansas

Latest Kansas Drought Monitor Map

Drought Intensity and Extent

D3 Extreme Drought includes small portions of central, north-central, and southeast Kansas.

D2 Severe Drought includes portions of central and eastern Kansas surrounding the D3 drought areas.

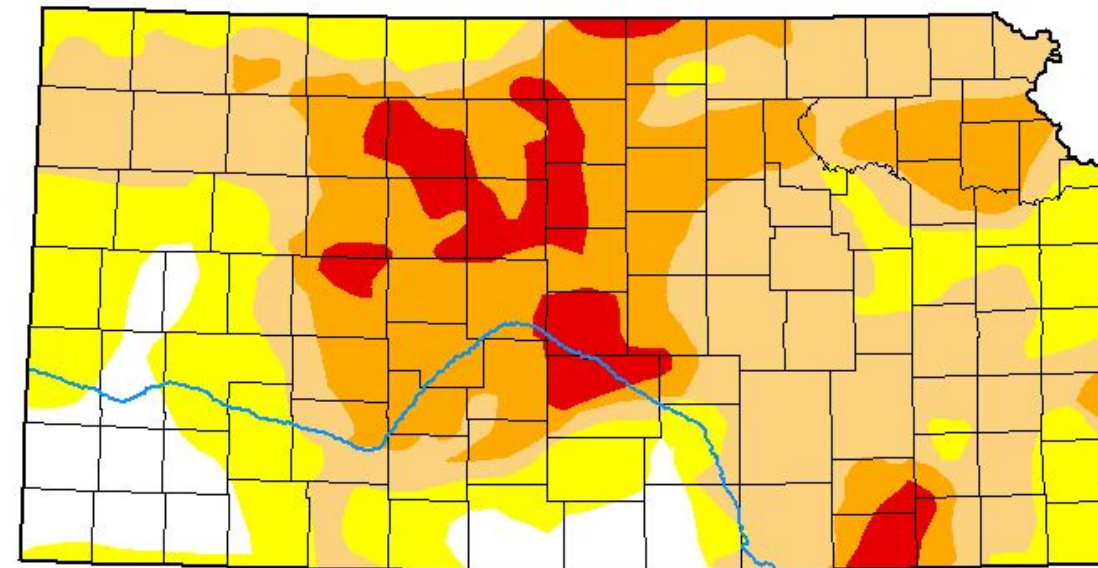
D1 Moderate Drought includes large portions of Kansas surrounding D2 drought areas.

D0: Abnormally Dry includes large portions of Kansas surrounding D1 drought areas.

Drought-free areas include portions of southwest and south-central Kansas.

U.S. Drought Monitor Kansas

December 12, 2023
(Released Thursday, Dec. 14, 2023)
Valid 7 a.m. EST



Intensity:

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

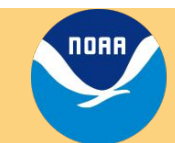
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center

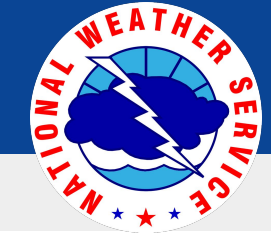


droughtmonitor.unl.edu



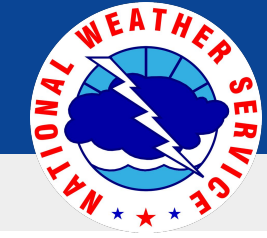
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Wichita, Kansas



Drought Intensity Definitions

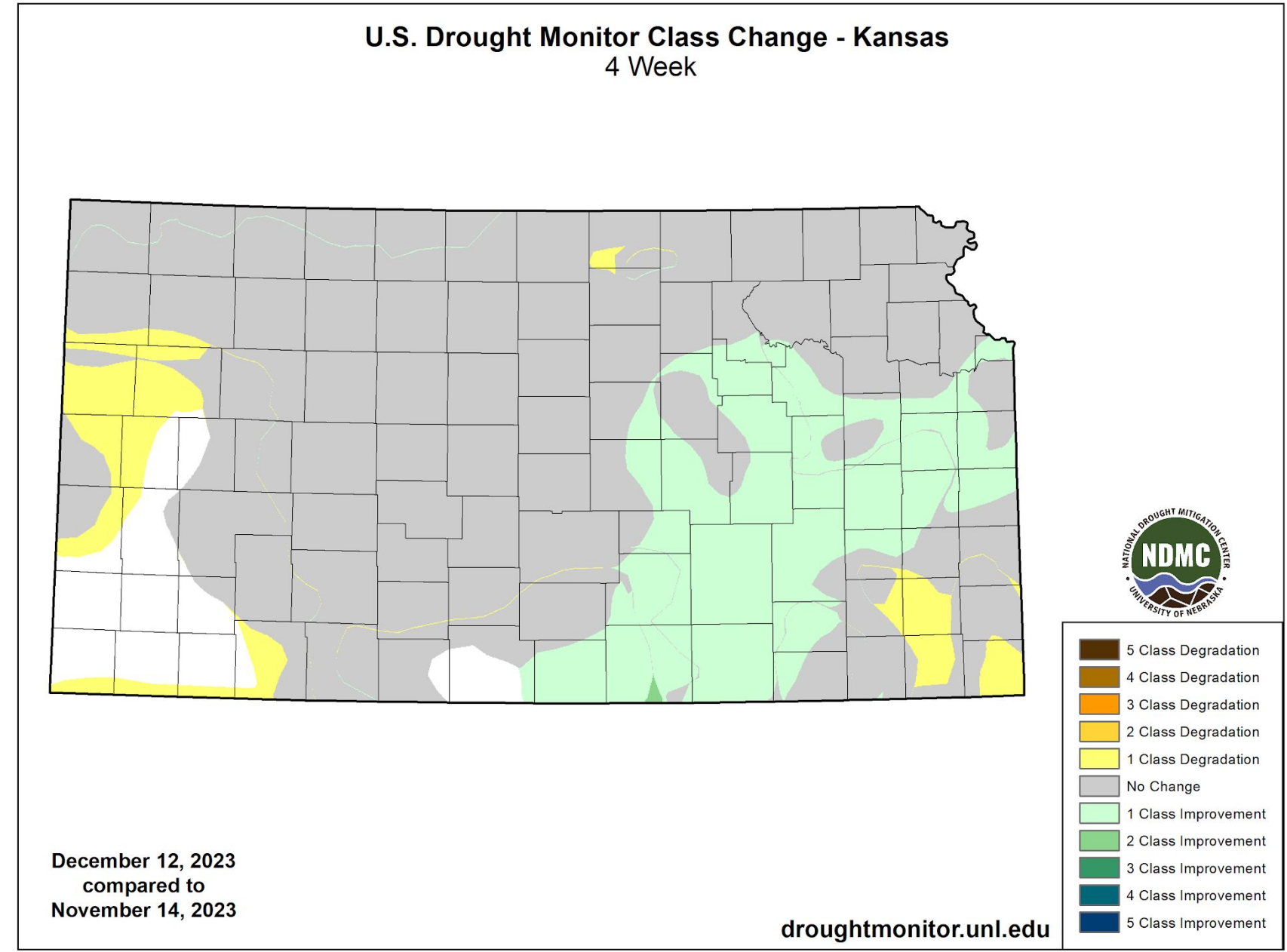
D0	Abnormally Dry	<u>Going into drought:</u> <ul style="list-style-type: none"> Short-term dryness slowing planting, growth of crops or pastures 	<u>Coming out of drought:</u> <ul style="list-style-type: none"> Some lingering water deficits Pastures or crops not fully recovered
D1	Moderate Drought	<ul style="list-style-type: none"> Some damage to crops, pastures Streams, reservoirs, or wells low, some water shortages developing or imminent Voluntary water-use restrictions requested 	
D2	Severe Drought	<ul style="list-style-type: none"> Crop or pasture losses likely Water shortages common Water restrictions imposed 	
D3	Extreme Drought	<ul style="list-style-type: none"> Major crop/pasture losses Widespread water shortages or restrictions 	
D4	Exceptional Drought	<ul style="list-style-type: none"> Exceptional and widespread crop/pasture losses Shortages of water in reservoirs, streams, and wells creating water emergencies 	

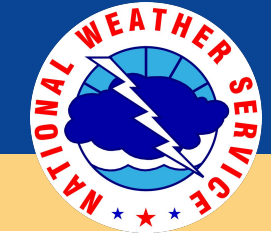


Four Week Change in Drought Intensity - Kansas

Four Week Drought Monitor Class Change

- **Drought Worsened** one category across small portions of western and southeast KS.
- **No Change** in drought status was noted over large portions of KS.
- **Drought Improved** one category across portions of central and eastern KS.

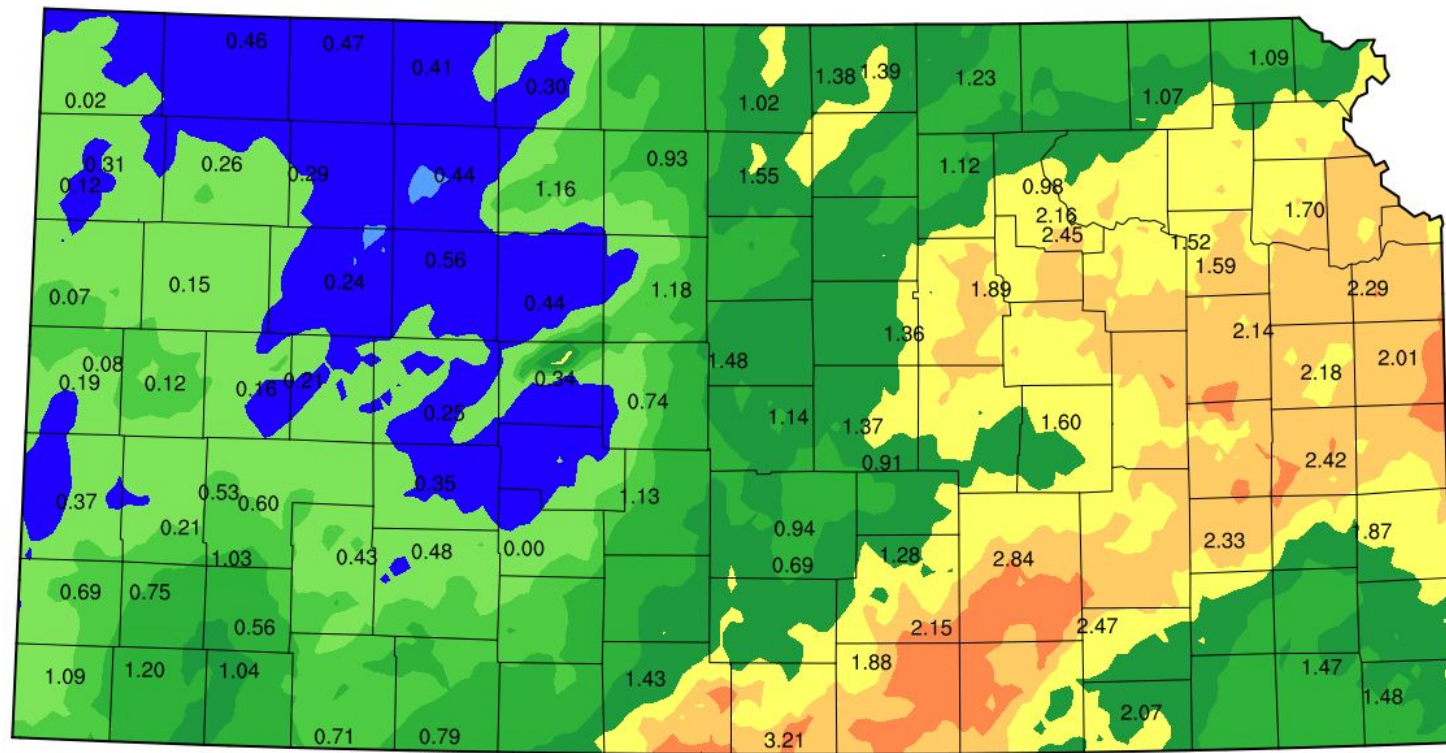




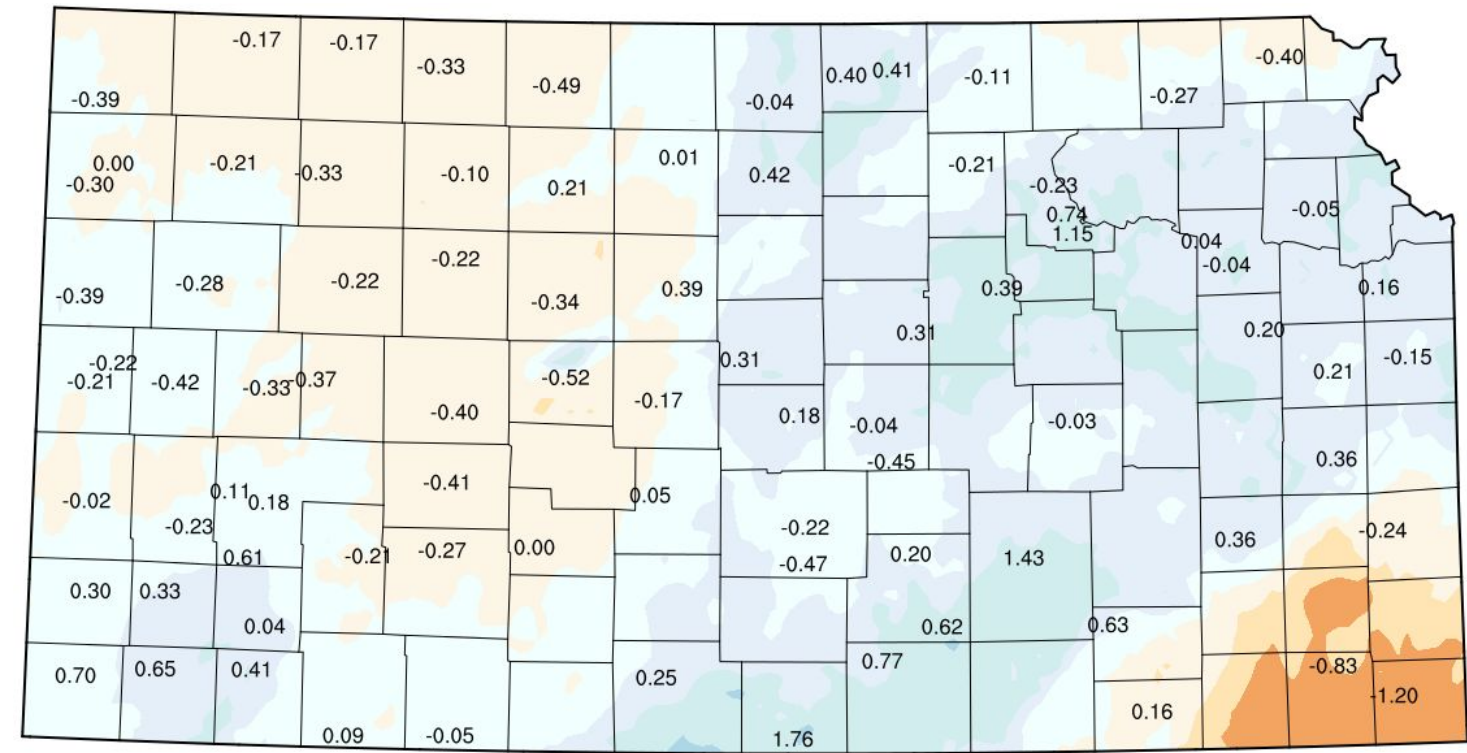
Kansas Precipitation - Past 30 Days (Through 12/14/2023)

Main Takeaways

- Near to above average precipitation most areas the past 30 days, with the exception of mostly below average precipitation over far southeast Kansas.



Kansas Mesonet - Observed 30days (in) at 2023-12-14 13:53 (CST)



Kansas Mesonet - departure 30days (in) at 2023-12-14 13:53 (CST)

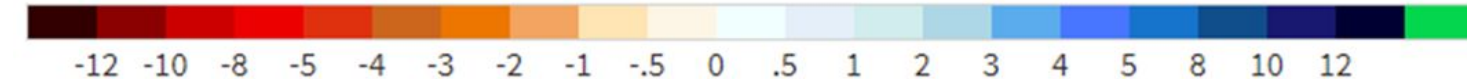
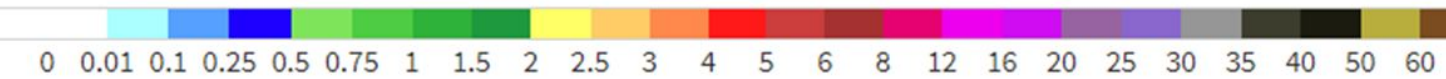
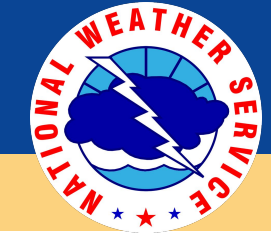


Image Caption:
 30-Day Precipitation for Kansas through 12/14/2023
 Data courtesy of [KSU Kansas Mesonet](#)

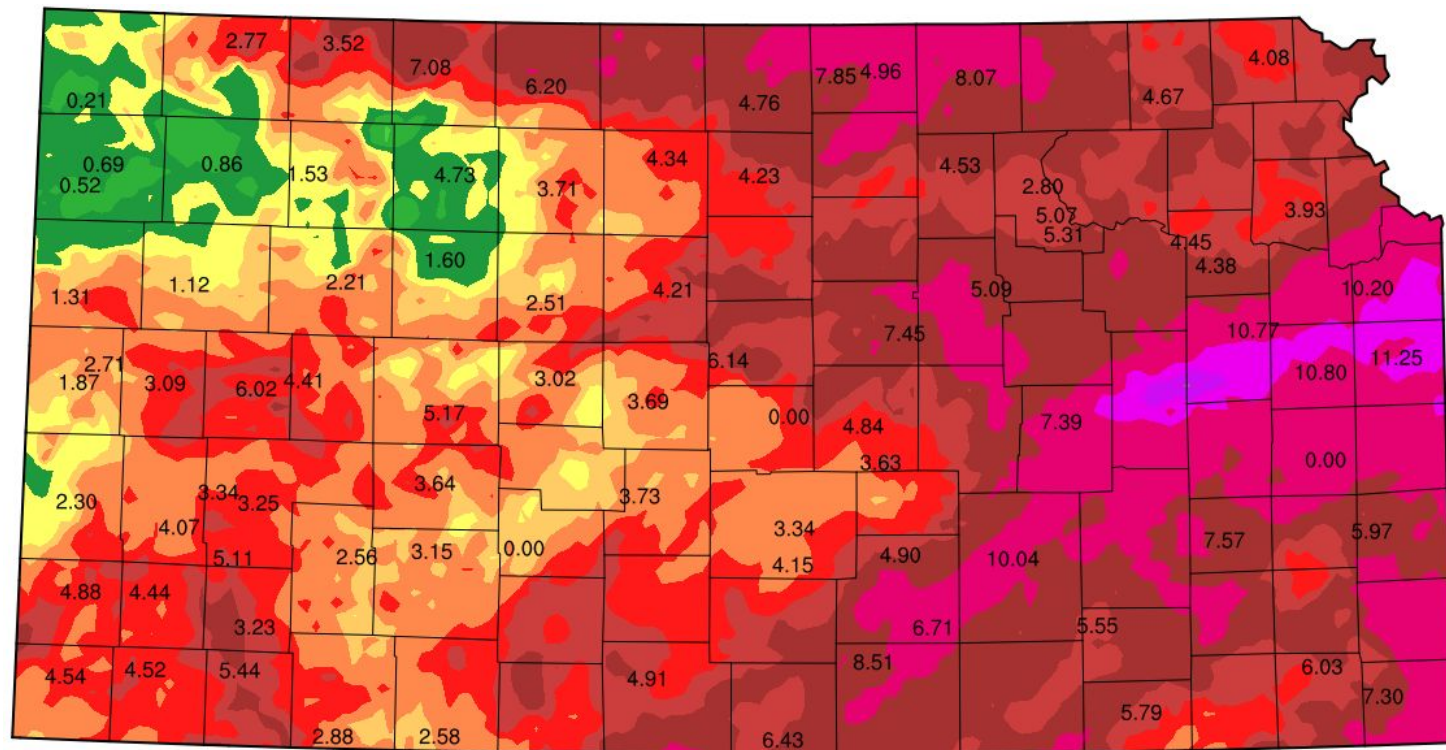
Image Caption:
 30-Day Departure from Normal Precipitation for Kansas through 12/14/2023
 Data courtesy of [KSU Kansas Mesonet](#)



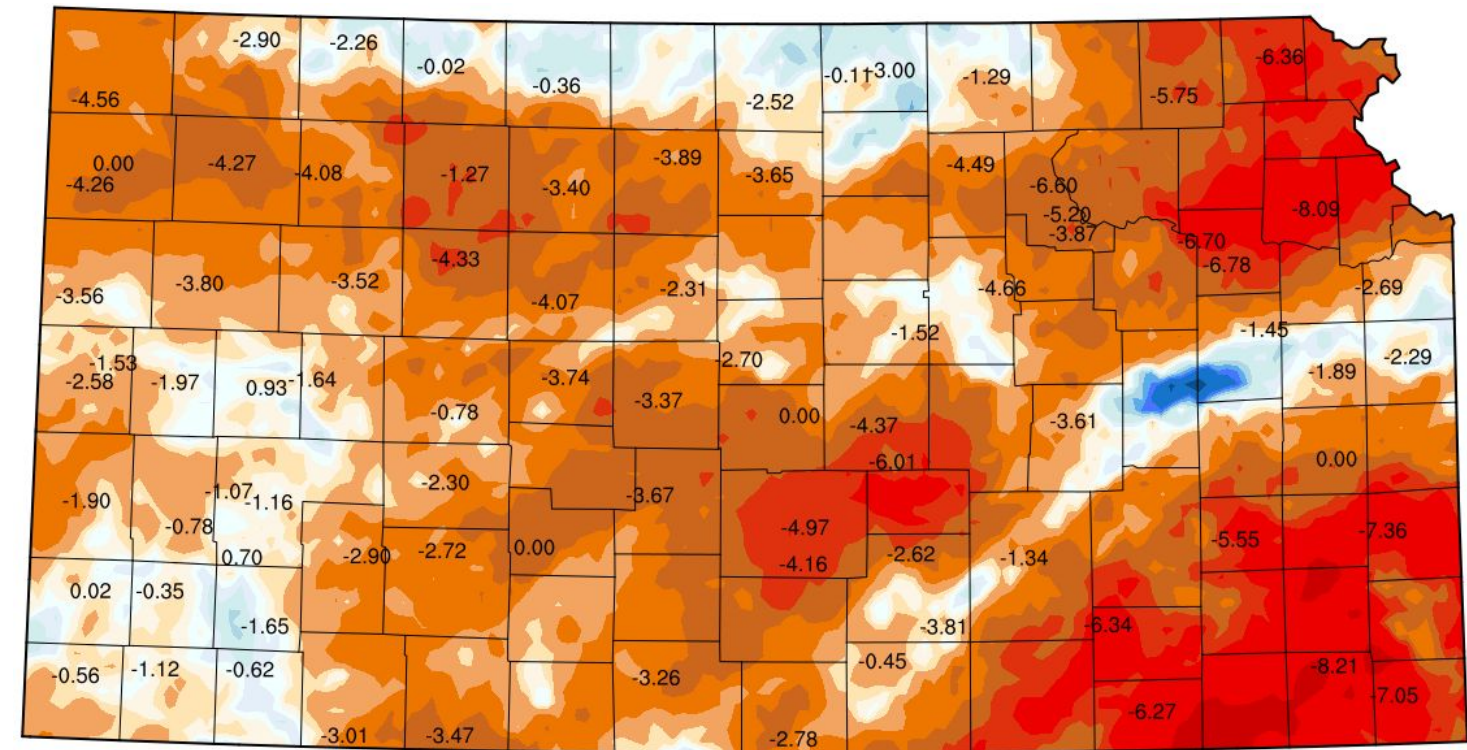
Kansas Precipitation - Past 120 Days (Through 12/14/2023)

Main Takeaways

- Large portions of KS have seen below to well below average precipitation, with small pockets of near to above average precipitation over western, northern, and eastern KS.



Kansas Mesonet - Observed 120days (in) at 2023-12-14 13:53 (CST)



Kansas Mesonet - departure 120days (in) at 2023-12-14 13:53 (CST)

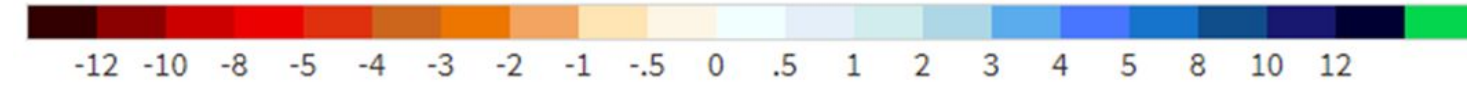
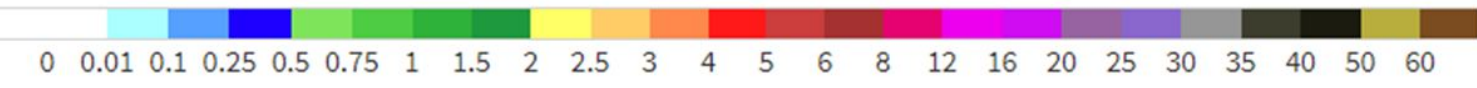
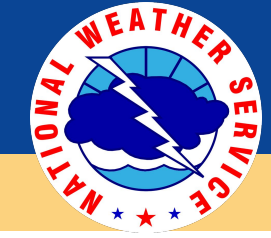


Image Caption:
 120-Day Precipitation for Kansas through 12/14/2023
 Data courtesy of [KSU Kansas Mesonet](https://www.kmesonet.org/)

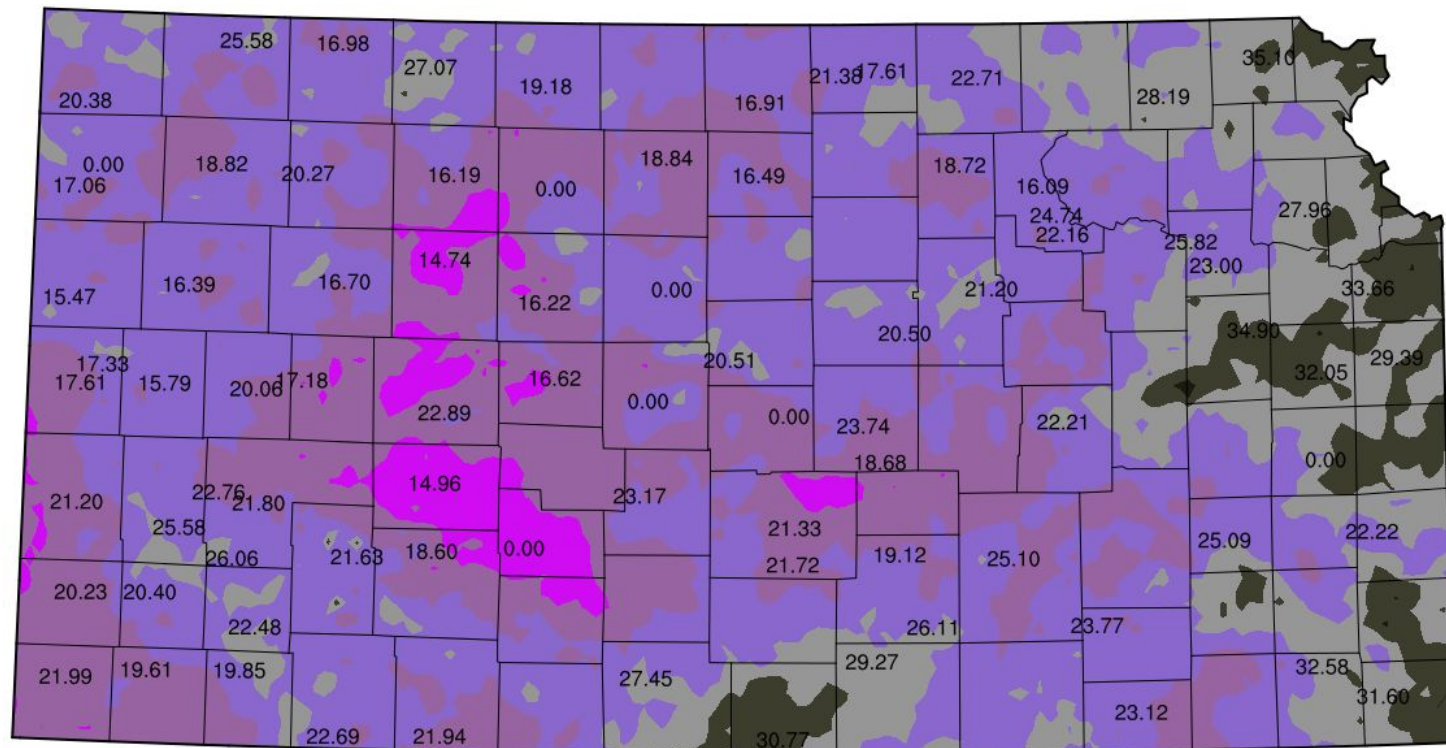
Image Caption:
 120-Day Departure from Normal Precipitation for Kansas thru 12/14/2023
 Data courtesy of [KSU Kansas Mesonet](https://www.kmesonet.org/)



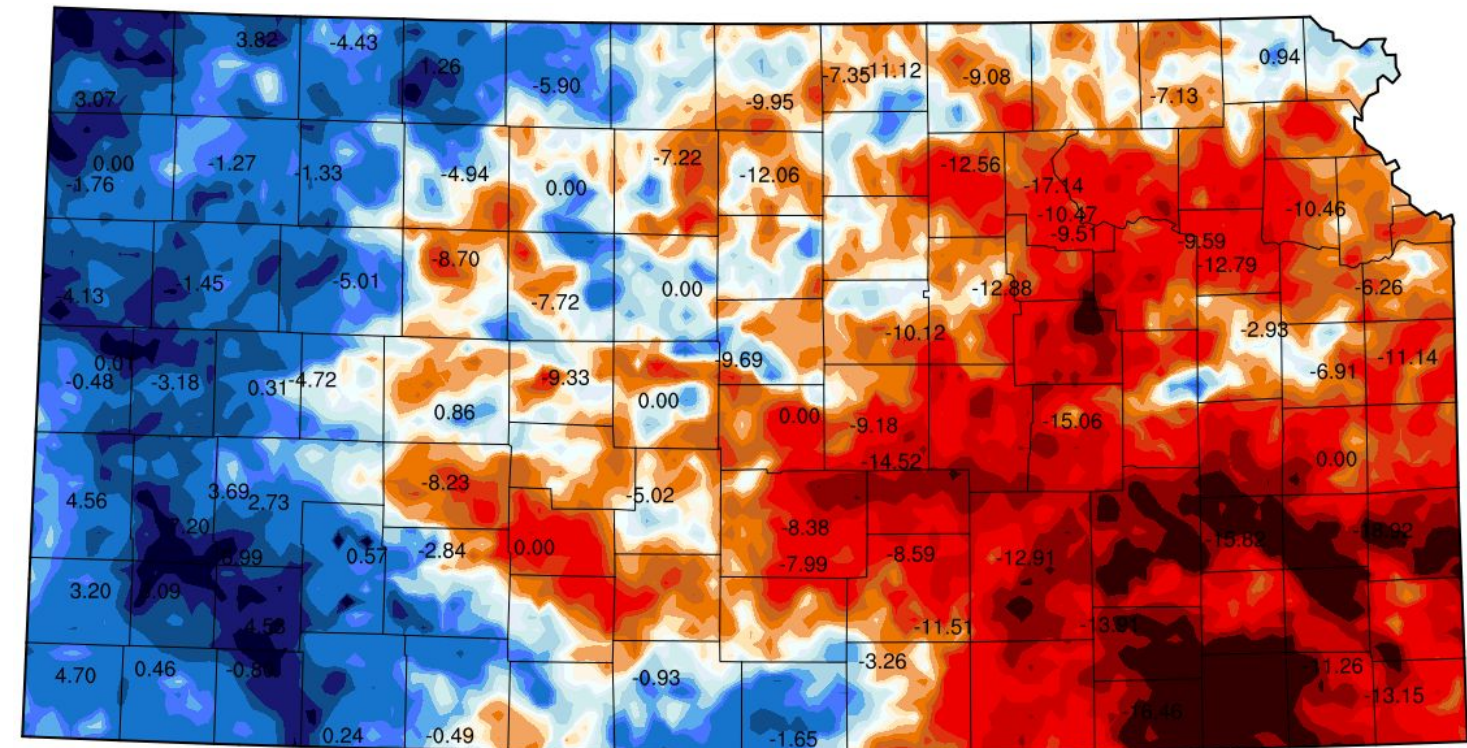
Kansas Precipitation - Year to Date (Through 12/14/2023)

Main Takeaways

- Much of the eastern half of KS has seen below to well below average precipitation, while much of western KS has seen above to well above average precipitation.



Kansas Mesonet - Observed ytd (in) at 2023-12-14 13:53 (CST)



Kansas Mesonet - departure ytd (in) at 2023-12-14 13:53 (CST)

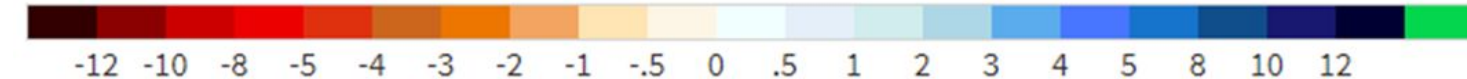
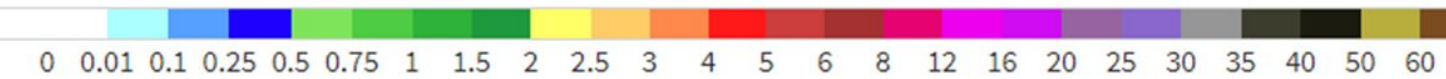


Image Caption:

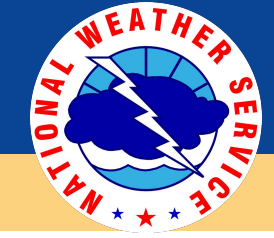
Year-to-Date Precipitation for Kansas through 12/14/2023

Data courtesy of [KSU Kansas Mesonet](https://www.kmesonet.org/)

Image Caption:

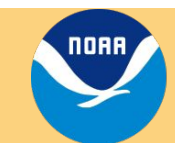
YTD Departure from Normal Precipitation for Kansas through 12/14/2023

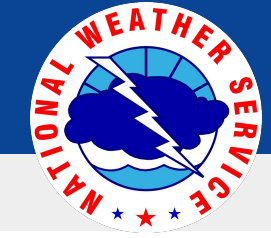
Data courtesy of [KSU Kansas Mesonet](https://www.kmesonet.org/)



Drought Impacts

- **National Drought Impacts November 2023 Report**
 - <https://storymaps.arcgis.com/stories/184f662e61e54a40a352c11f24df3f99>
- **Drought Impacts by State**
 - <https://droughtmonitor.unl.edu/DmData/StateImpacts.aspx>
- **Submit a Drought Impact Report**
 - <https://survey123.arcgis.com/share/850f937a1956425dab70cf3a79c64e8b?open=menu>

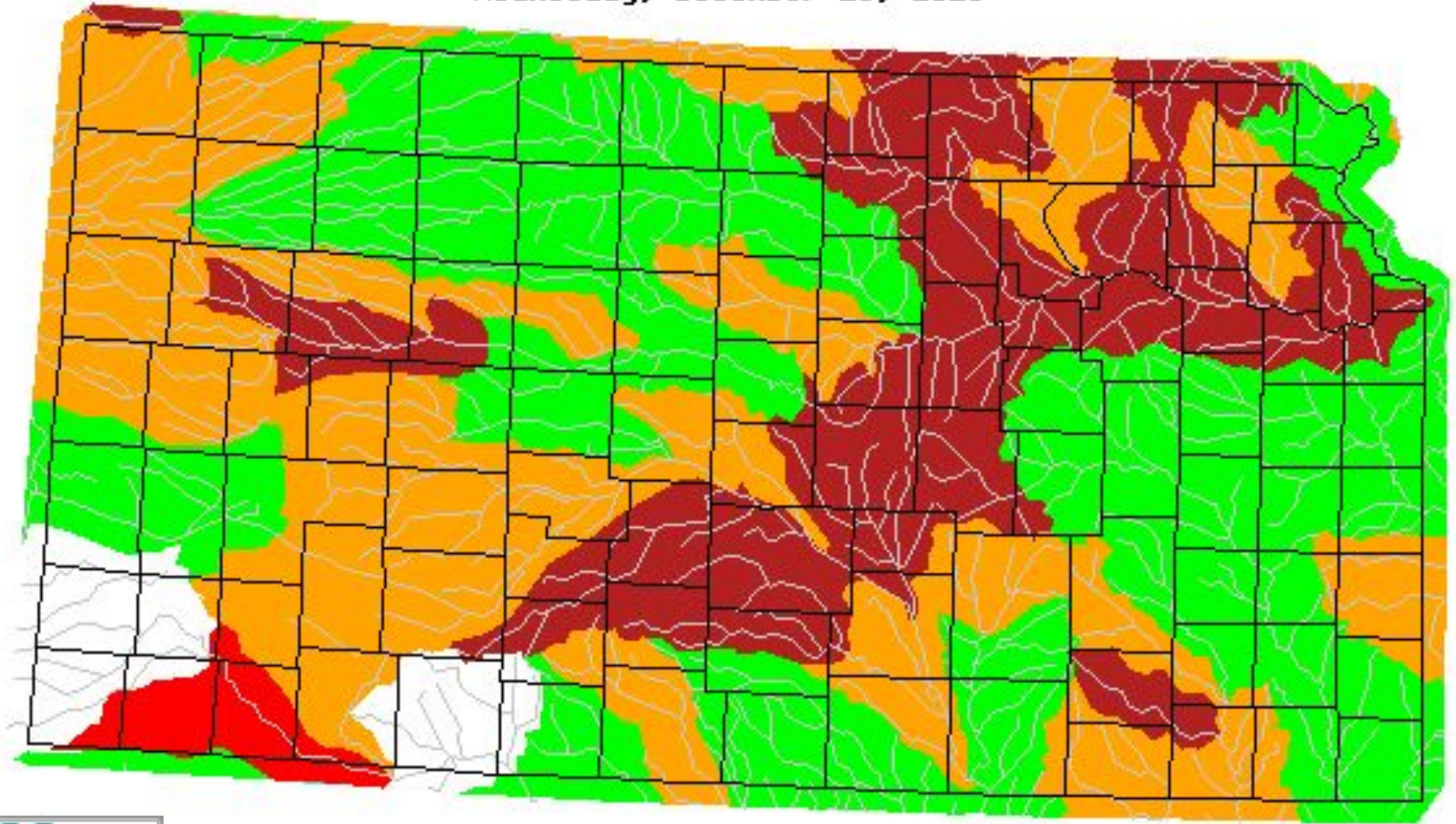




Main Takeaways

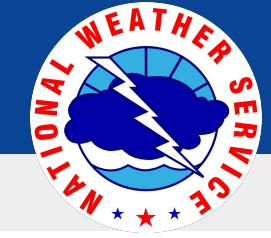
- Large pockets of below to well below average streamflow were noted the past 28 days across Kansas.
- However, there were also large pockets of near normal streamflow across the state.

Wednesday, December 13, 2023



Explanation - Percentile classes						USGS	
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: [USGS](#) 28-day average streamflow HUC map valid 12/13/2023

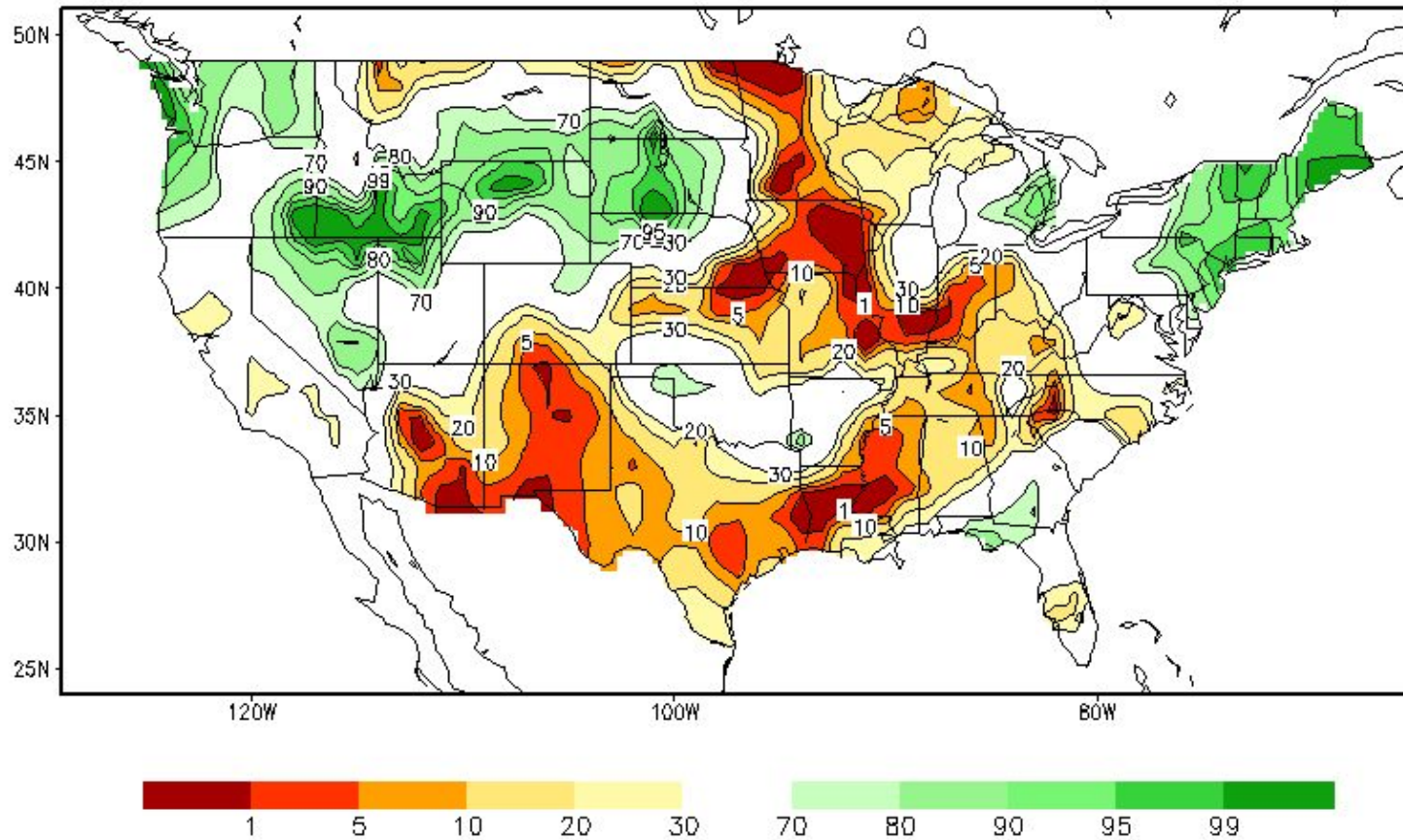


Agricultural Impacts - Kansas Soil and Crop Moisture

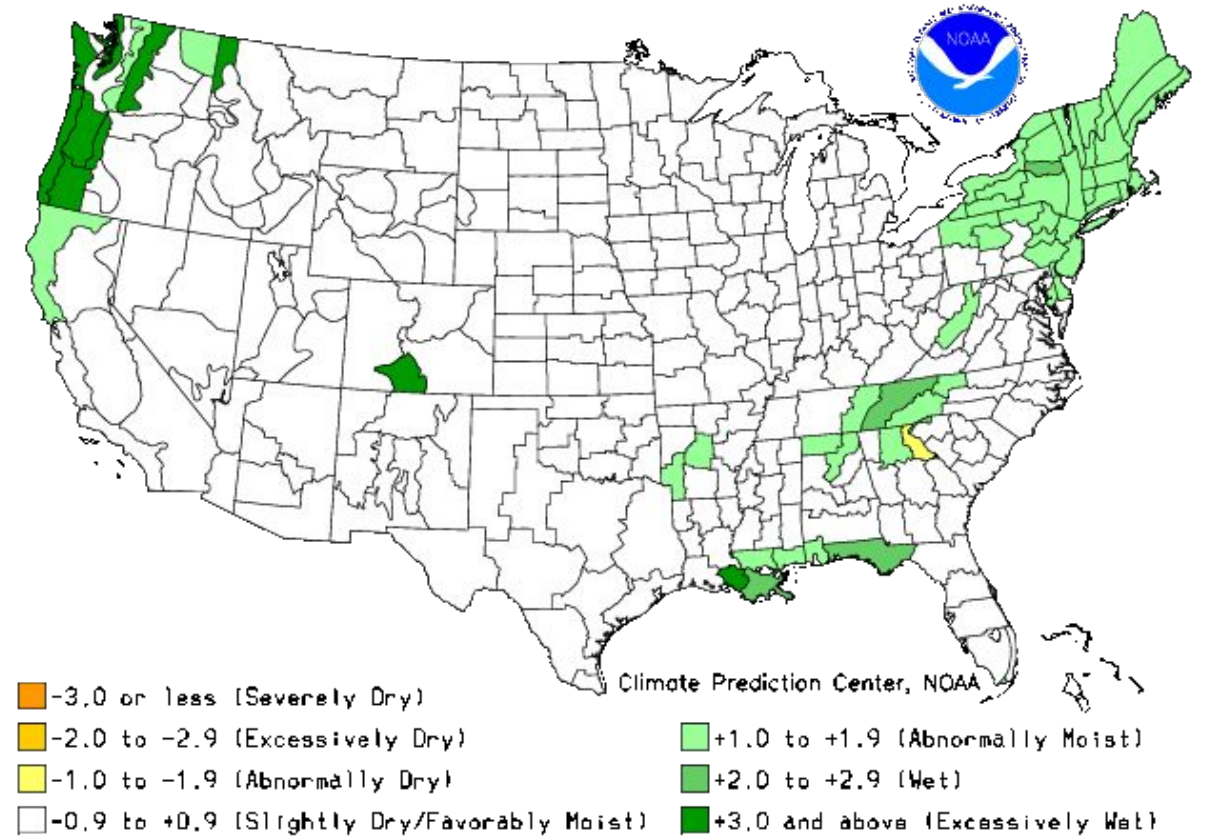
Main Takeaway

- Below average soil moisture northern and eastern KS, and near normal crop moisture statewide (although caution should be taken using this product during the cool season).

Calculated Soil Moisture Ranking Percentile
DEC 13, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending DEC 9, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile



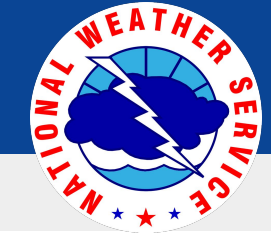


Agricultural Impacts - Kansas Crop Condition Reports

For the week ending December 10, 2023:

Agriculture and Crop Conditions Across Kansas Per the [USDA's Latest Weekly Report](#)

	Very Poor	Poor	Fair	Good	Excellent
Winter Wheat Condition	10%	15%	36%	34%	5%
Pasture/Range Conditions	17%	29%	39%	15%	0%
	Very Short	Short	Adequate	Surplus	
Topsoil Moisture	25%	32%	40%	3%	
Subsoil Moisture	30%	39%	30%	1%	



Significant Wildland Fire Potential Jan-Mar 2024 - Kansas

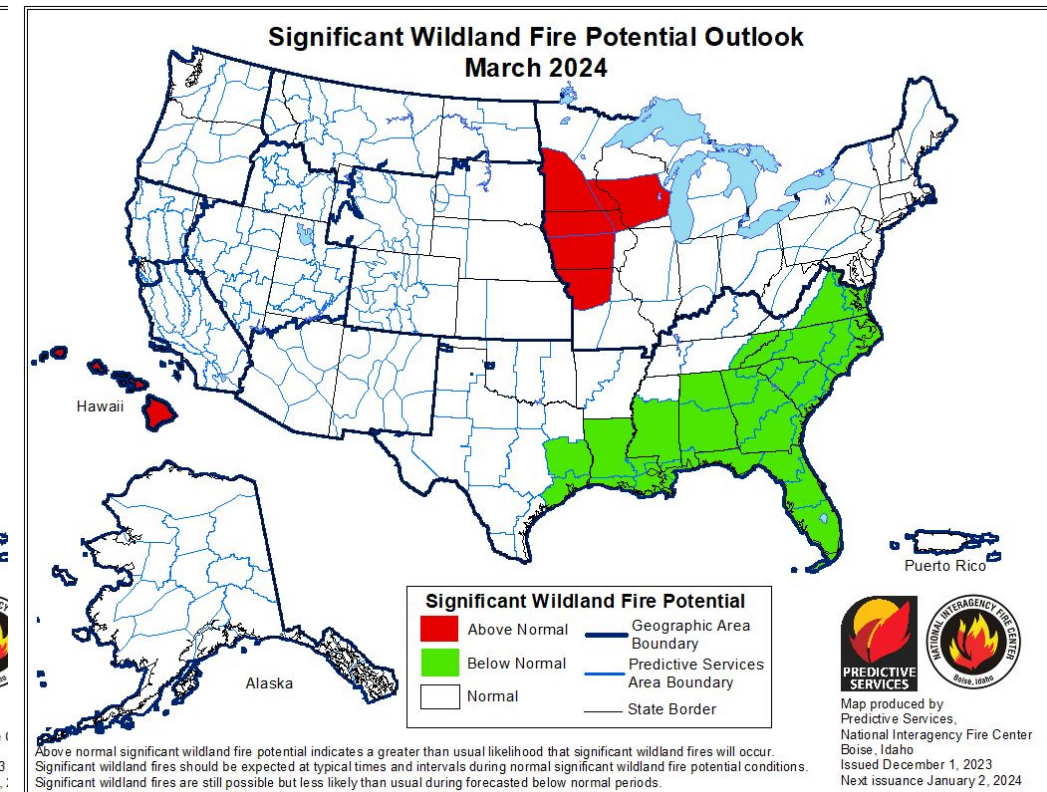
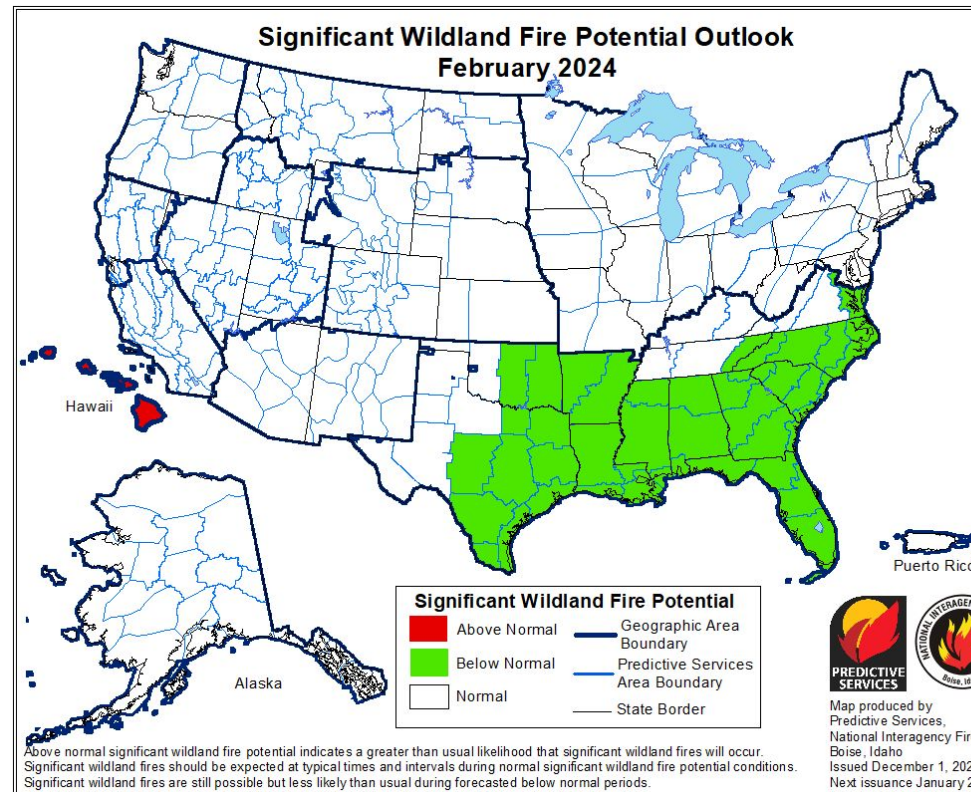
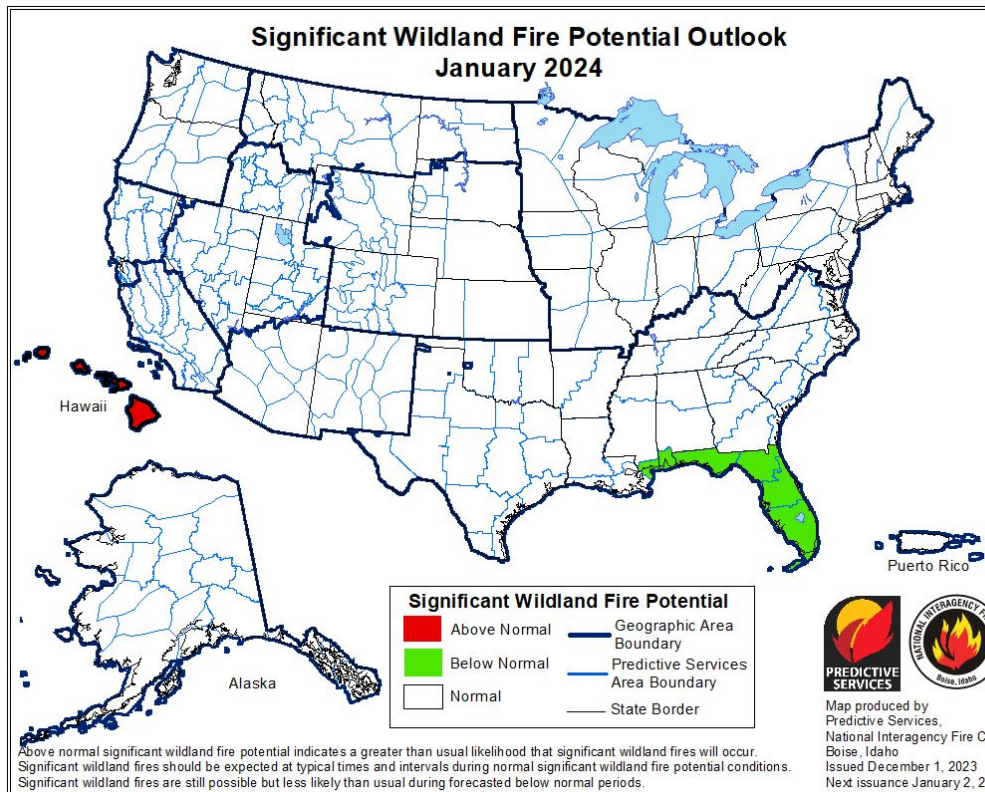
Main Takeaways

- The risk for significant wildland fires across Kansas is near normal through March 2024.

January

February

March

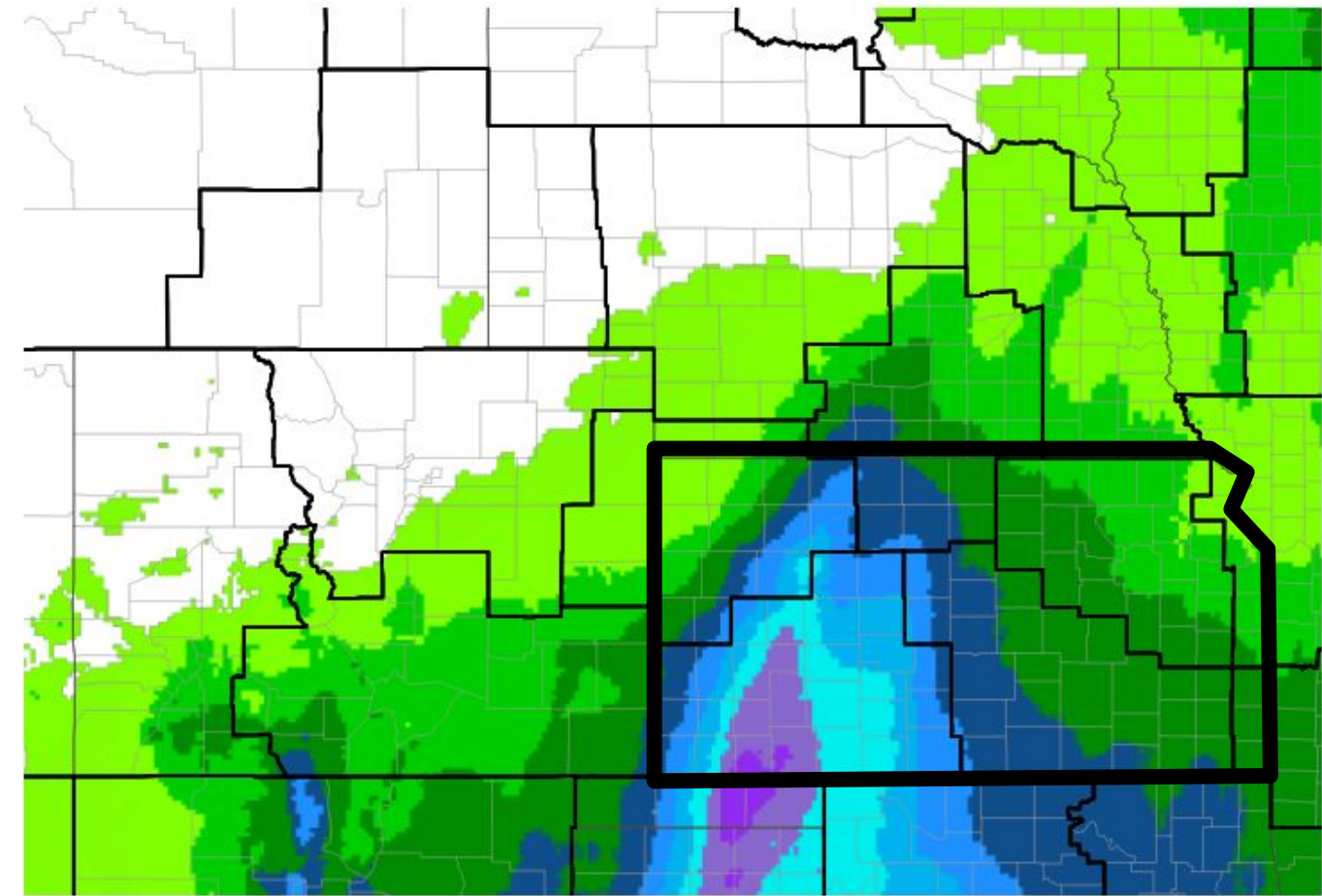




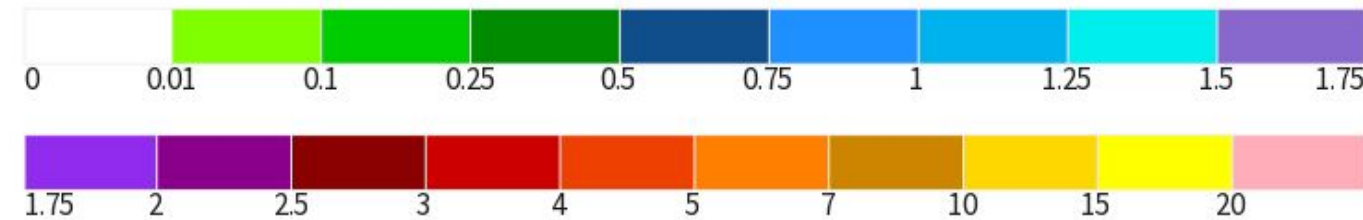
7-Day Precipitation Forecast (Dec 14-21, 2023) - Kansas

Precipitation Next 7 days (Dec 14-21)

- Beneficial rainfall is forecast the next 7 days across KS, especially over the western half of KS.



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Data Valid: 12/14/23





Outlook Through end of December - Kansas

8-14 Day Temperature and Precipitation Outlook

Main Takeaways

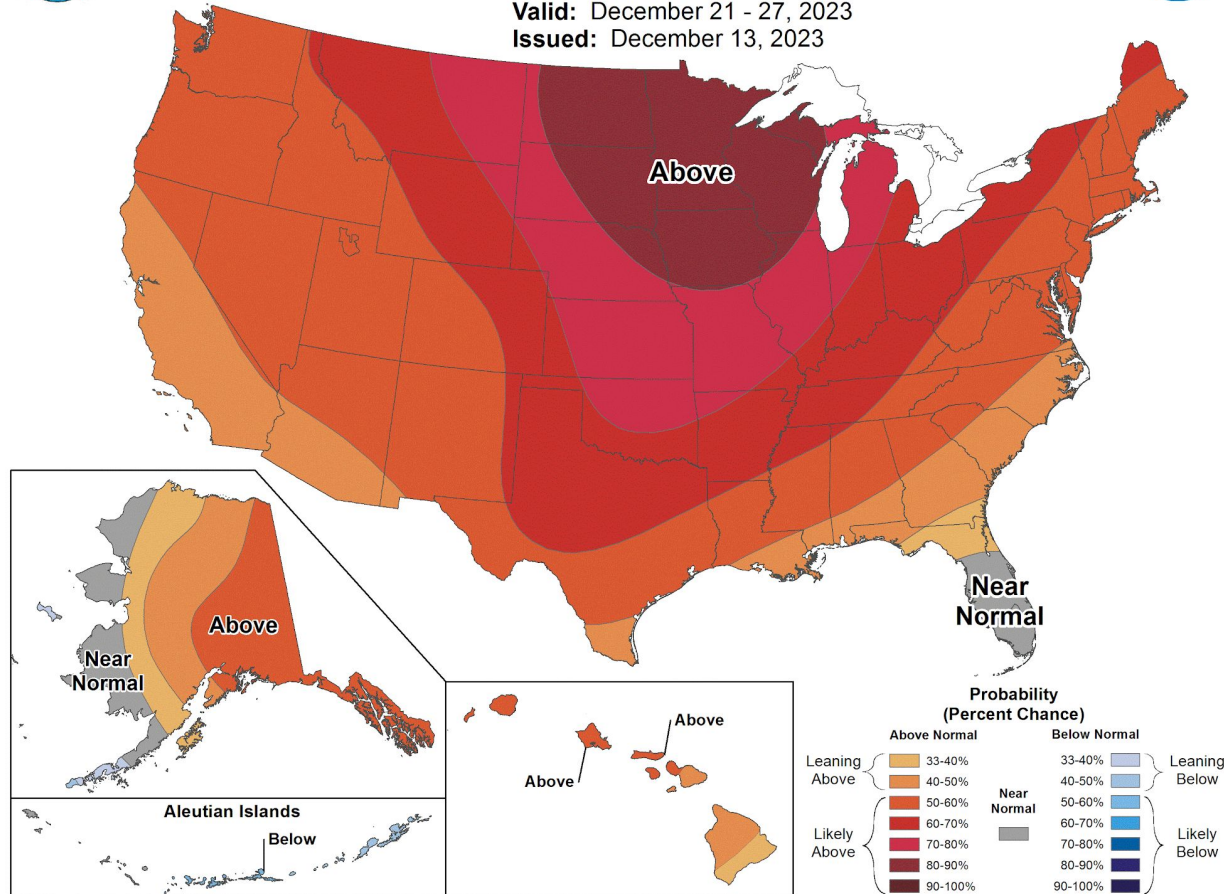
- There is a strong signal for above normal temperatures across Kansas, with a slight to modest signal for above normal precipitation through the end of December.



8-14 Day Temperature Outlook



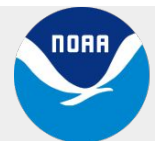
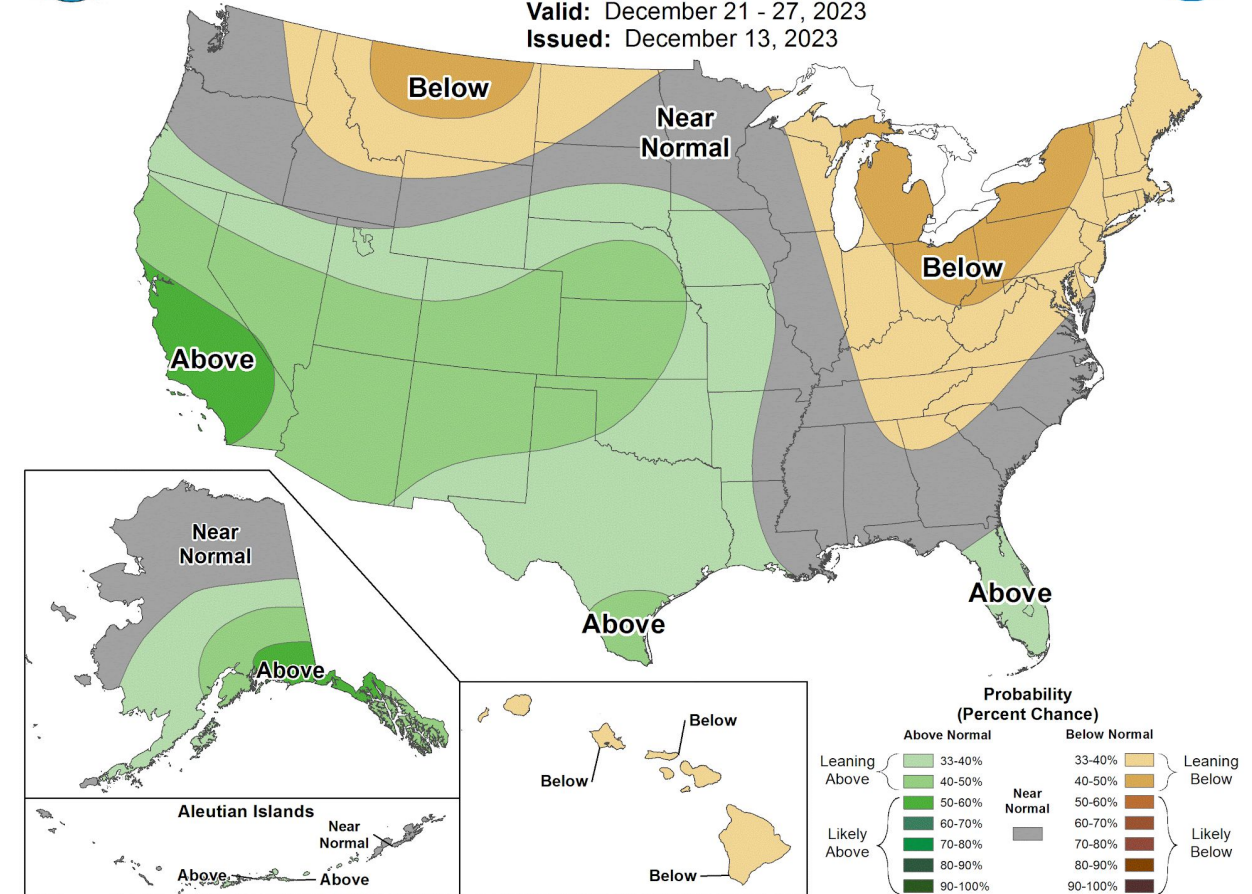
Valid: December 21 - 27, 2023
Issued: December 13, 2023

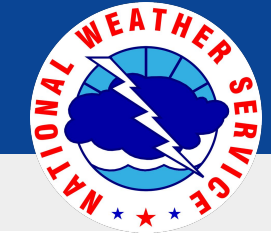


8-14 Day Precipitation Outlook



Valid: December 21 - 27, 2023
Issued: December 13, 2023





January–March 2024 Outlook - Kansas

3-Month Temperature and Precipitation Outlook

Main Takeaways

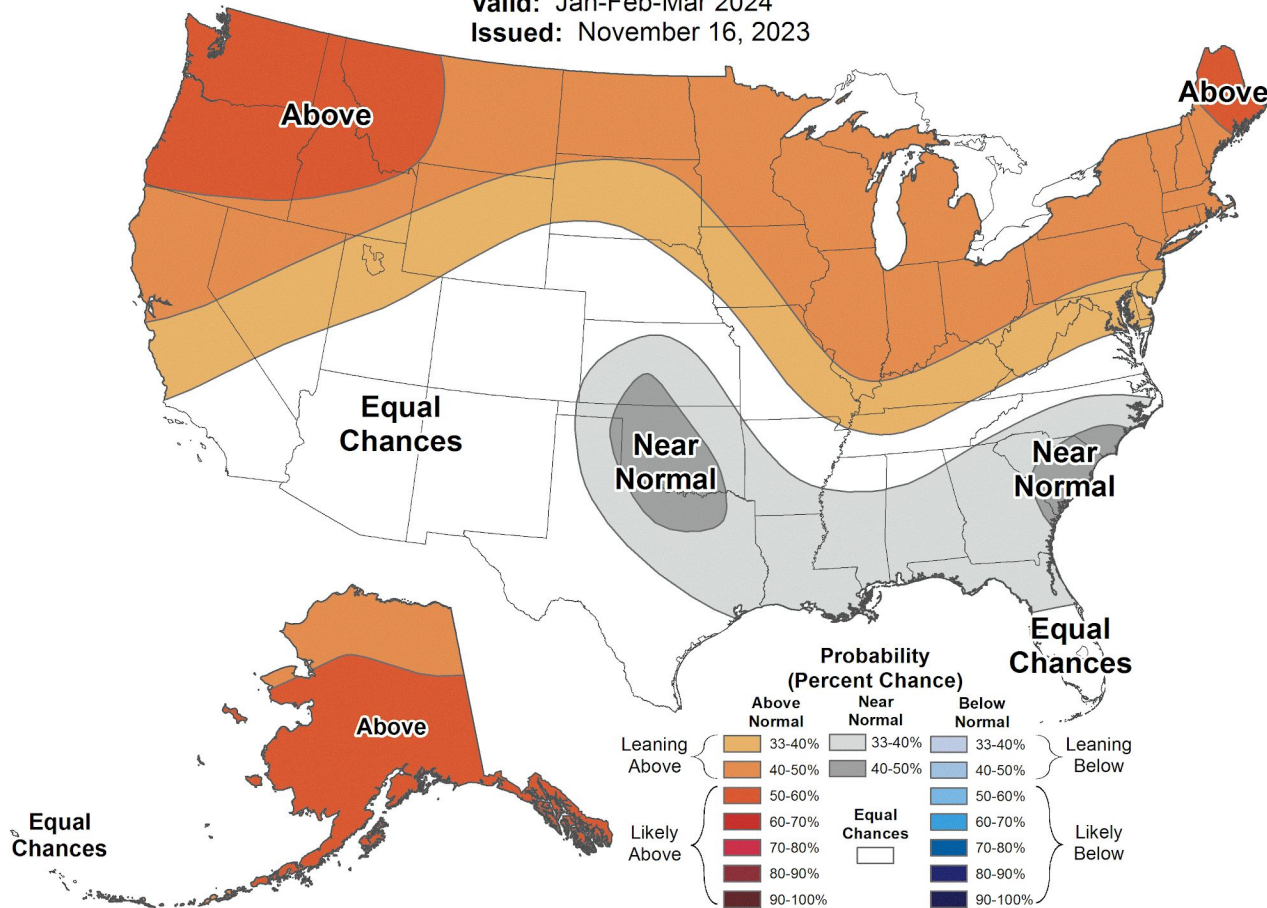
- There is a slight to modest signal for near normal temperatures, and a slight to modest signal for above normal precipitation across Kansas, January–March 2024.



Seasonal Temperature Outlook



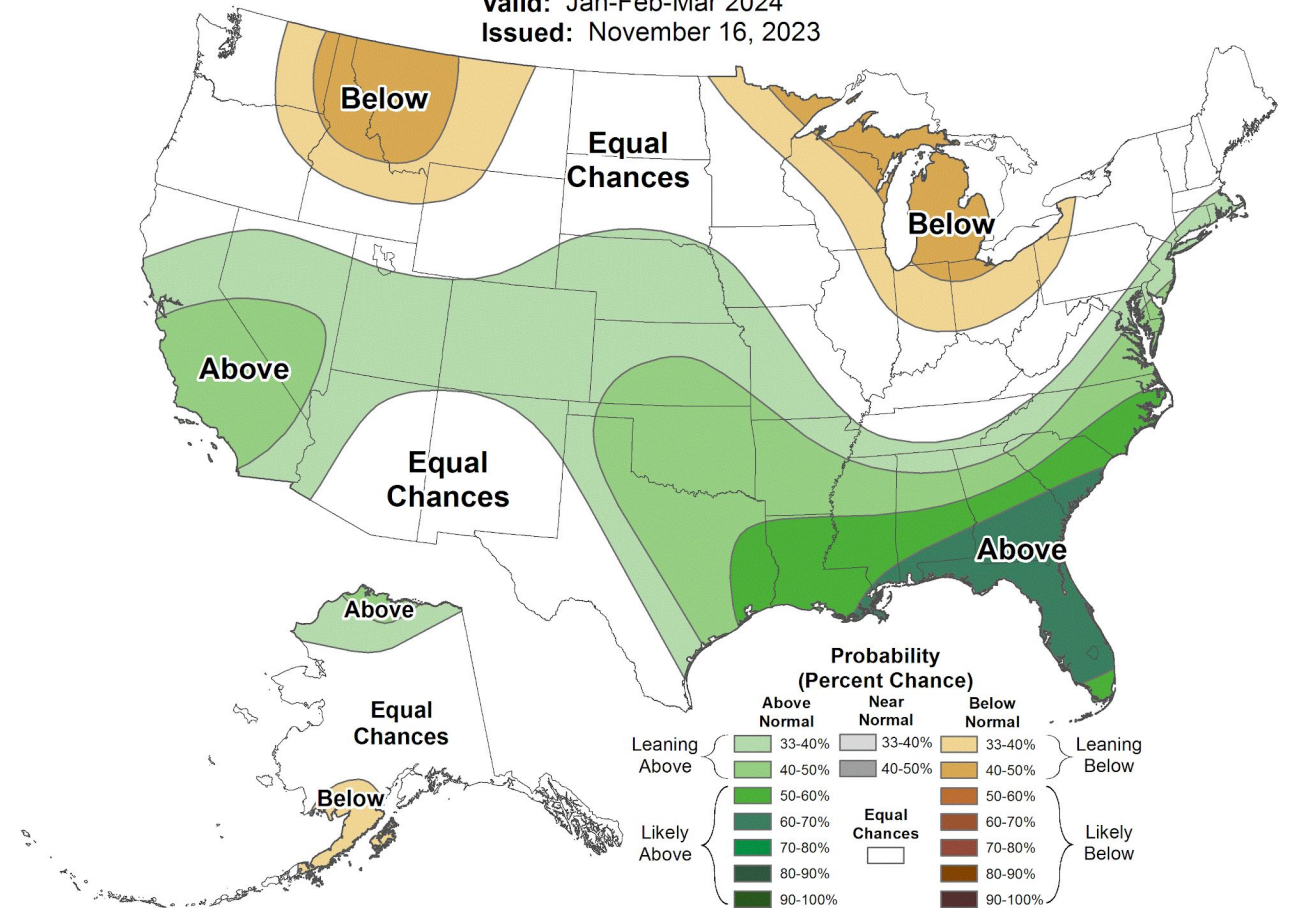
Valid: Jan-Feb-Mar 2024
Issued: November 16, 2023

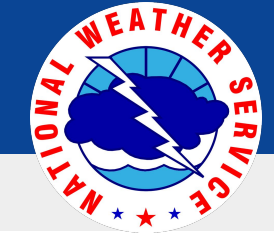


Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2024
Issued: November 16, 2023





Drought Outlook Through February 2024 - Kansas

Drought Outlook through February 2024

- Drought improvement or even small areas of drought removal are favored through February 2024 across Kansas. Drought persistence is likely over northeast Kansas.

