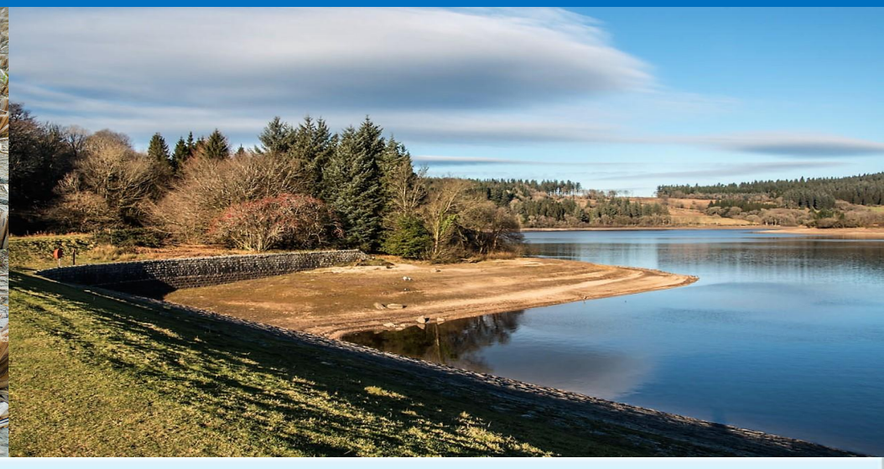
Drought Information Statement for the Missouri Ozarks

Valid September 5, 2024

Issued By: *WFO Springfield, MO*
Contact Information: *contact.sgf@noaa.gov*

- This product will be updated October 3, 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/sgf/SGFDroughtMonitor for additional information.





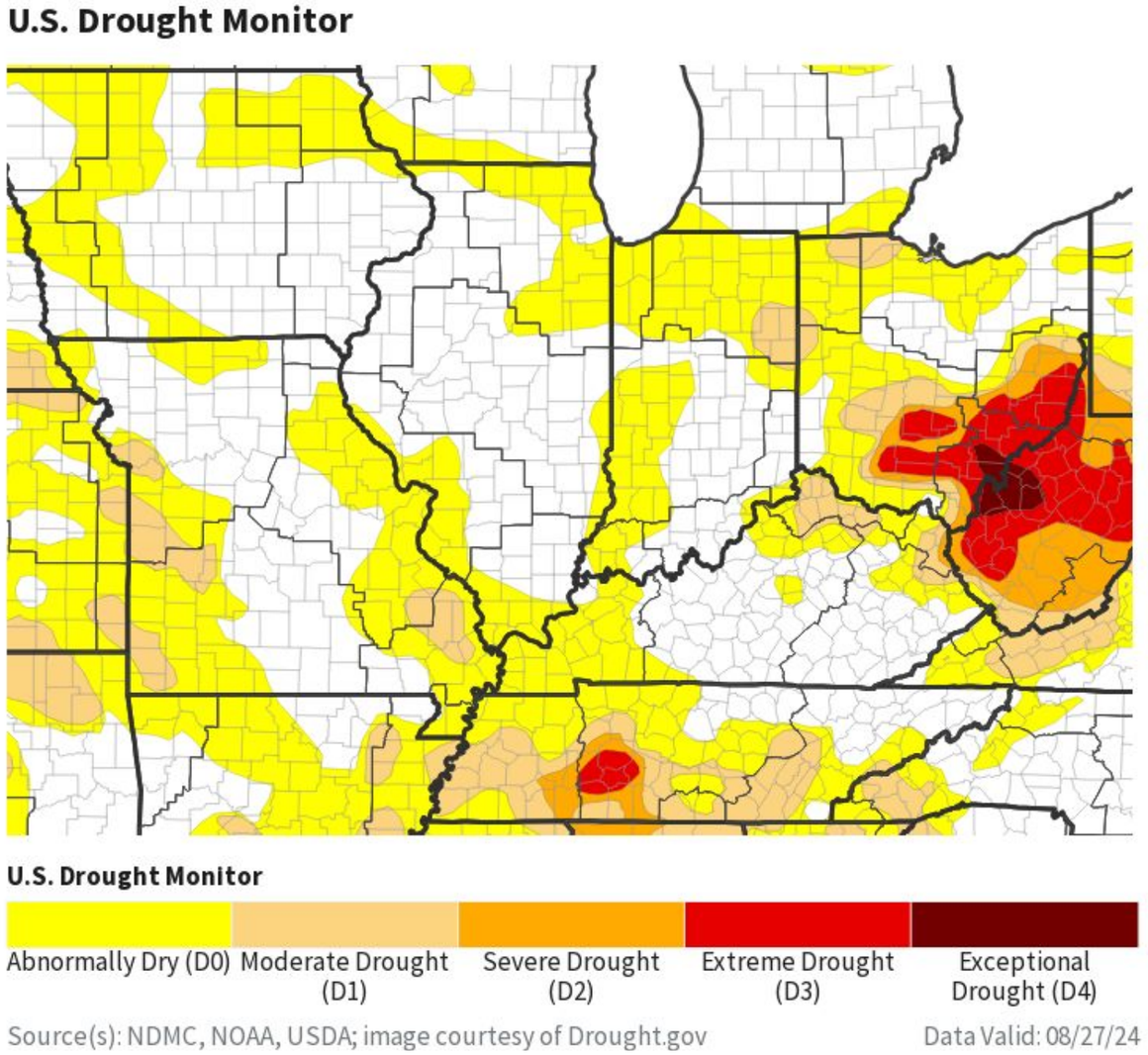
U.S. Drought Monitor

September 5, 2024
10:22 AM

Link to the latest U.S. Drought Monitor for Lower Midwest

- **Drought Potential Across the Ozarks Region**
  - Drought conditions across the Ozarks improved early this year though lingering long term dryness has remained. The forecast for the month of September looks rather dry which may allow drought conditions to worsen through the month.

- **Drought Intensity and Extent**
  - D1 (Moderate Drought): Areas including portions of Barry, McDonald, Newton, Jasper, Polk, Hickory, Benton, St. Clair, and Vernon Counties in Missouri and Crawford and Cherokee Counties in Kansas.
  - D0: (Abnormally Dry): Additional areas of southwestern Missouri and southeastern Kansas generally along and west of Highway 65 and some of the Mark Twain National Forest.



State Drought Monitor

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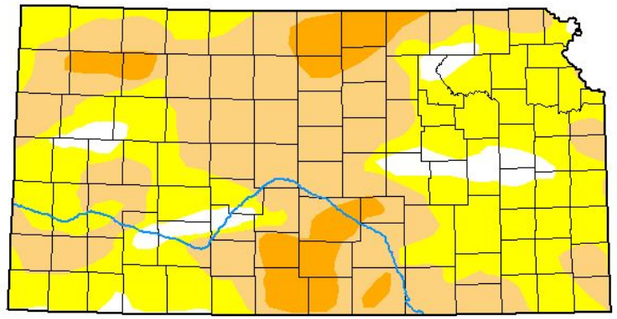
Link to Recent Change Maps

U.S. Drought Monitor

Kansas



September 3, 2024
(Released Thursday, Sep. 5, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	6.24	93.76	51.22	8.89	0.00	0.00
Last Week 08-27-2024	7.96	92.04	50.07	11.76	0.00	0.00
3 Months Ago 06-04-2024	35.98	64.02	42.17	15.61	0.77	0.00
Start of Calendar Year 01-02-2024	20.54	79.46	53.43	19.44	2.88	0.00
Start of Water Year 09-26-2023	18.61	81.39	64.30	45.56	20.60	1.65
One Year Ago 09-05-2023	16.23	83.77	69.84	48.25	20.41	1.65

Intensity:

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

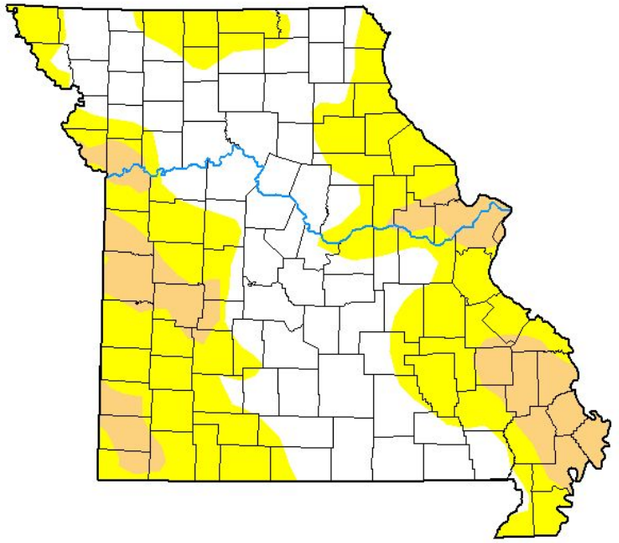
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:
Lindsay Johnson
National Drought Mitigation Center

droughtmonitor.unl.edu

U.S. Drought Monitor

Missouri



September 3, 2024
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	44.31	55.69	14.80	0.00	0.00	0.00
Last Week 08-27-2024	48.30	51.70	9.90	0.00	0.00	0.00
3 Months Ago 06-04-2024	89.06	10.94	0.01	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	6.73	93.27	71.50	30.45	1.09	0.00
Start of Water Year 09-26-2023	18.08	81.92	54.87	27.22	9.04	0.00
One Year Ago 09-05-2023	22.12	77.88	53.00	25.27	8.53	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
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National Drought Mitigation Center

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Main Takeaways

- Drought conditions may slowly return this fall as underlying long term dry conditions and limited chances for rainfall over the next few weeks are expected.

Precipitation

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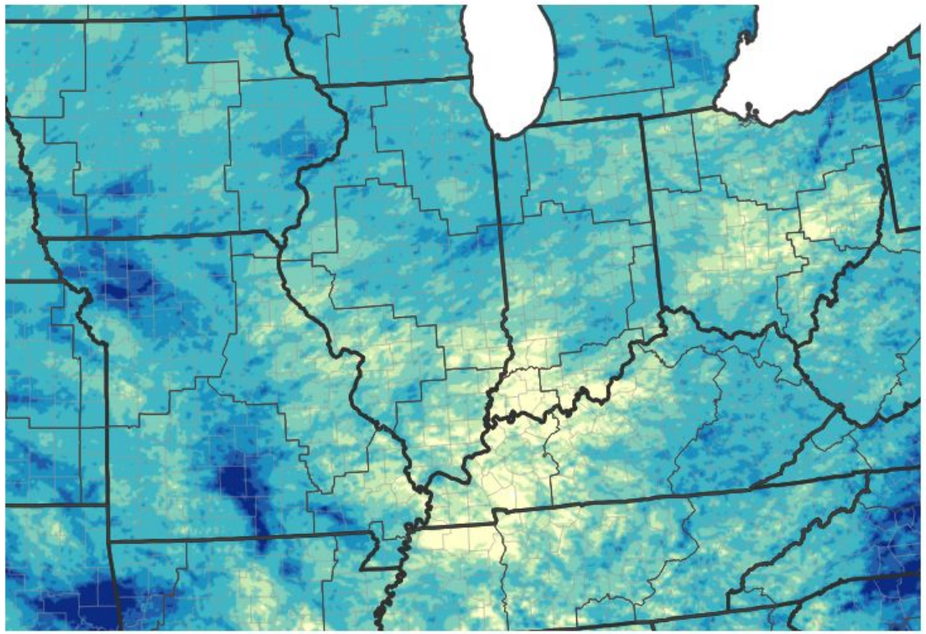
30-Day Precipitation Accumulations (Inches)



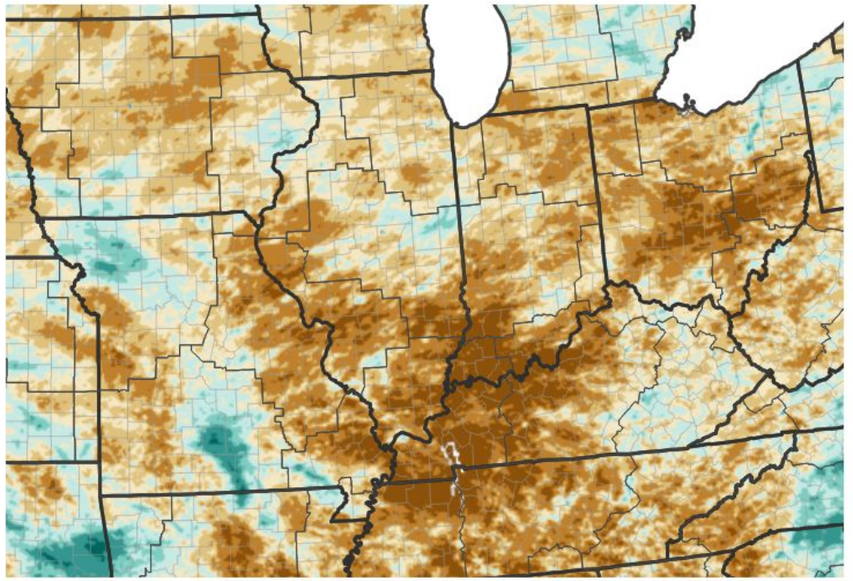
Inches of Precipitation

0 | 0.01 | 0.5 | 1 | 2 | 4 | 6 | 8

Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 09/04/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)

0% | 25% | 50% | 75% | 100%

100% | 150% | 200% | 300%

Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 09/04/24

Main Takeaways

- Portions of south central Missouri saw above average rainfall.
- Elsewhere, precipitation was generally near to below average.

Summary of Impacts

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

Hydrologic Impacts

- Streamflow percentiles over the past 7 days were slightly below average for the Spring River basin in SE Kansas and SW Missouri along with the Osage River Basin in central Missouri.
- Conversely, streamflow percentiles over the past 7 days were slightly above average for portions of central and south central Missouri.

Agricultural Impacts

- Condition Monitoring Observer Reports (CMORs) were beginning to report dry grass, minor crop impacts, localized wildfires in D0 and D1 areas.

Fire Hazard Impacts

- There are no known impacts at this time. However, longer range forecasts indicate the potential for developing wildfire concern for October.

Other Impacts

- There are no known impacts at this time.

Mitigation actions

- Farmers and ranchers were beginning to consider supplementing water and feed for livestock.
- The Missouri Department of Agriculture has an AgriStress Helpline at 833-897-2474.
- The University of Missouri Extension Office has a Psychological Service Clinic to aid farmers and ranchers.
- More information is available at muext.us/PSCFarmRanch.

Hydrologic Conditions and Impacts

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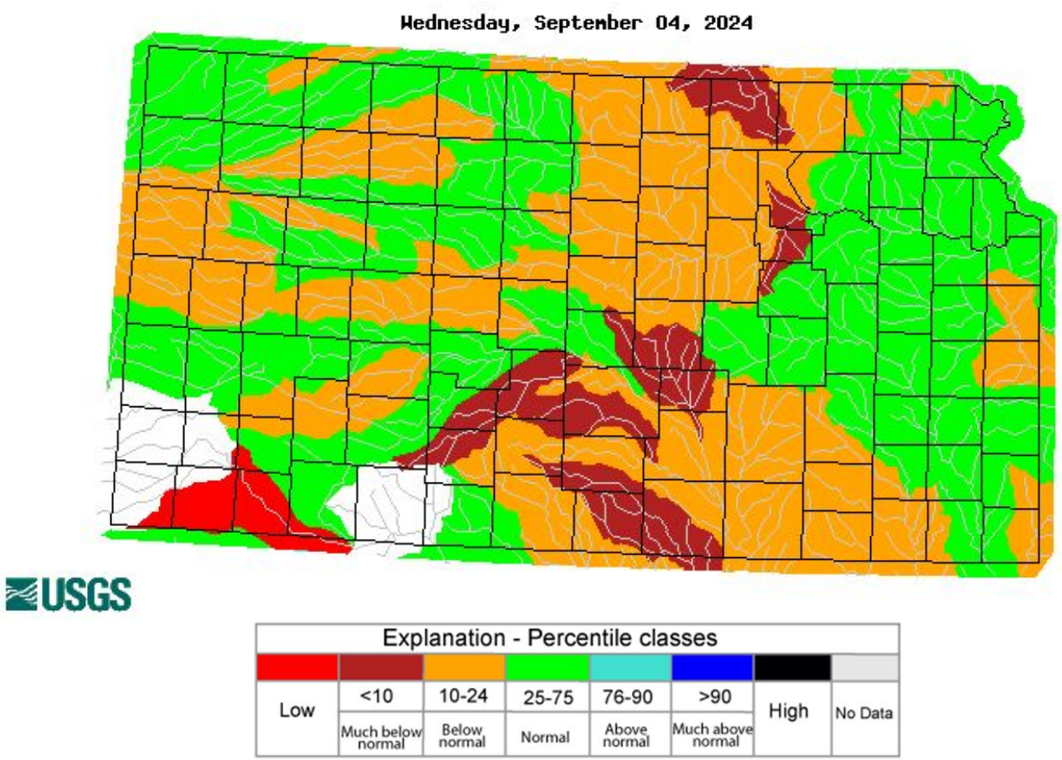

Image Caption: : [USGS 7 day average streamflow HUC map - Kansas](#).

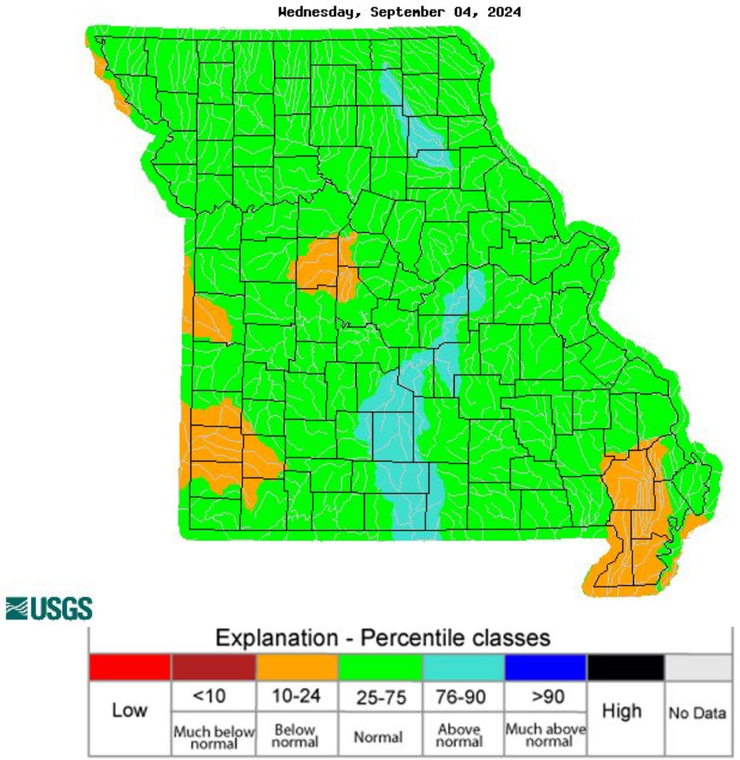

Image Caption: : [USGS 7 day average streamflow HUC map - Missouri](#).

Main Takeaways

- Streamflow percentiles over the past 7 days were near average across most of the area, with a few locations seeing below or even locally above average streamflow.

Fire Hazard Impacts

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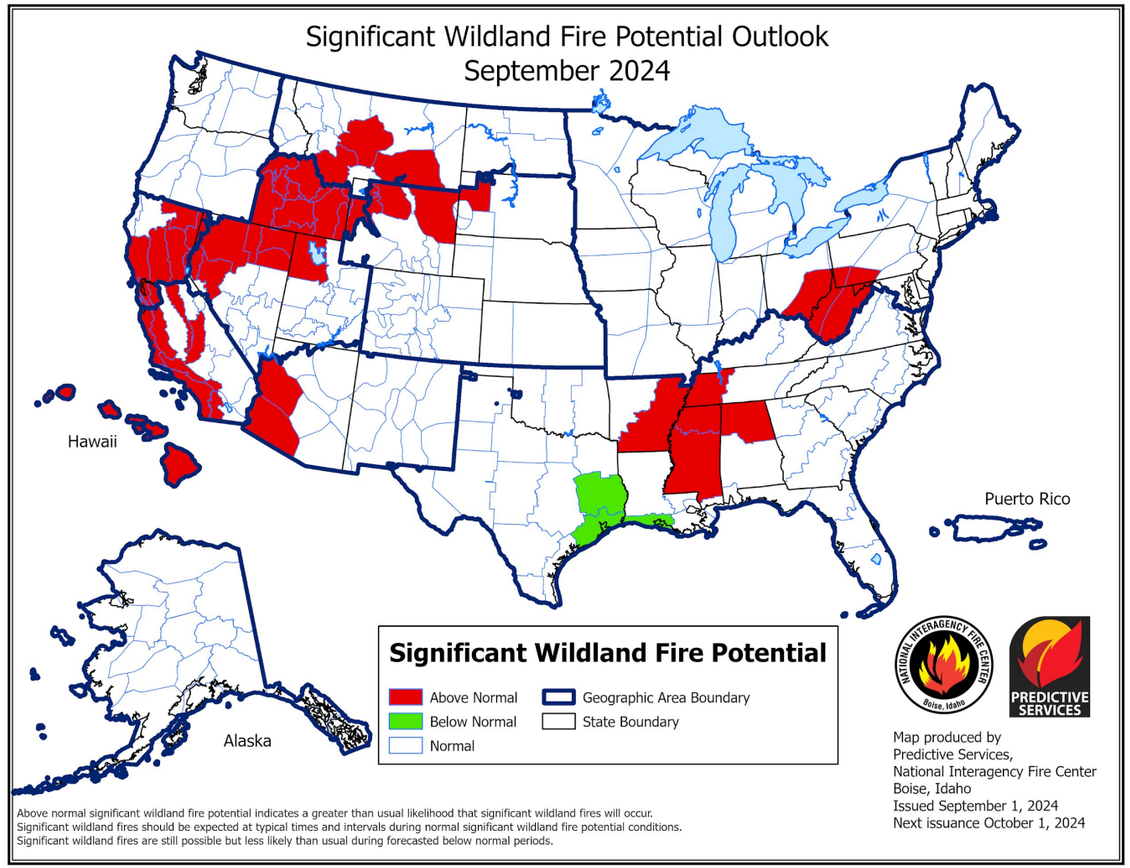
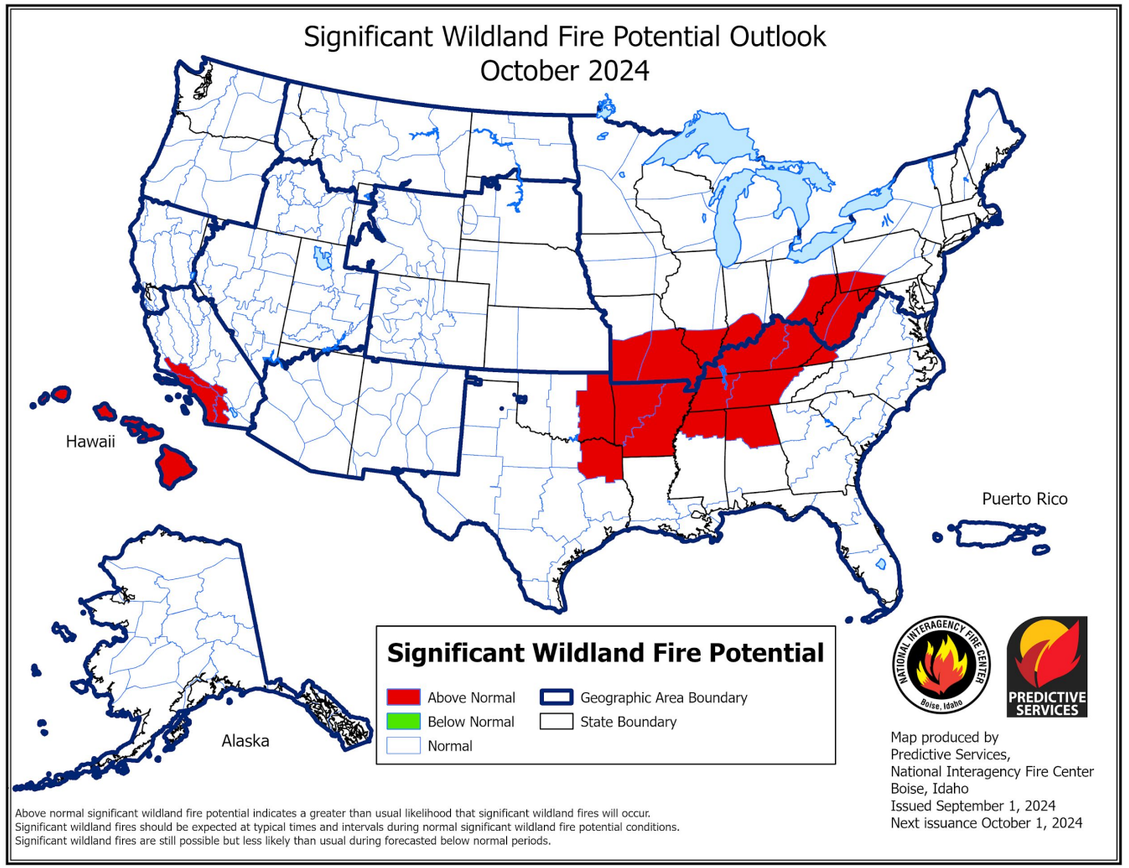
Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center]





Main Takeaways

- Current conditions in September were near average for the time of year; however, a potential dry period for much of September may lead to enhanced fire potential for October.

8 to 14 Day Outlooks

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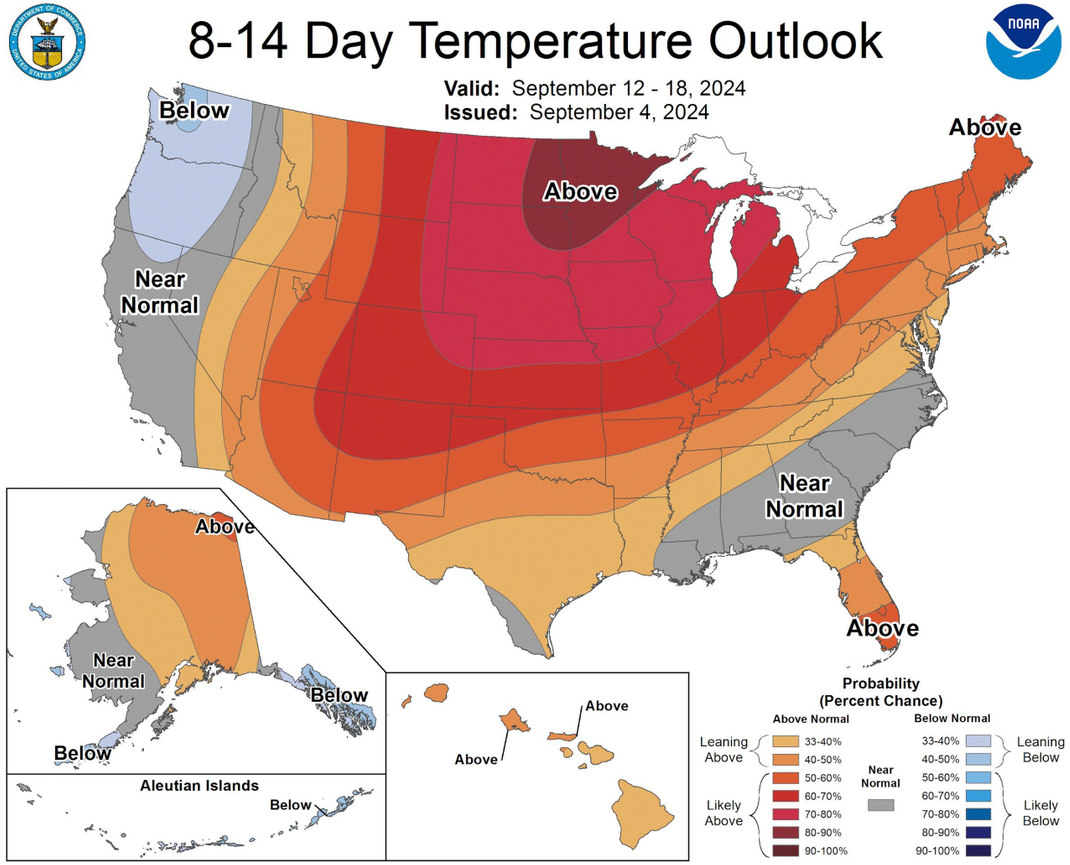
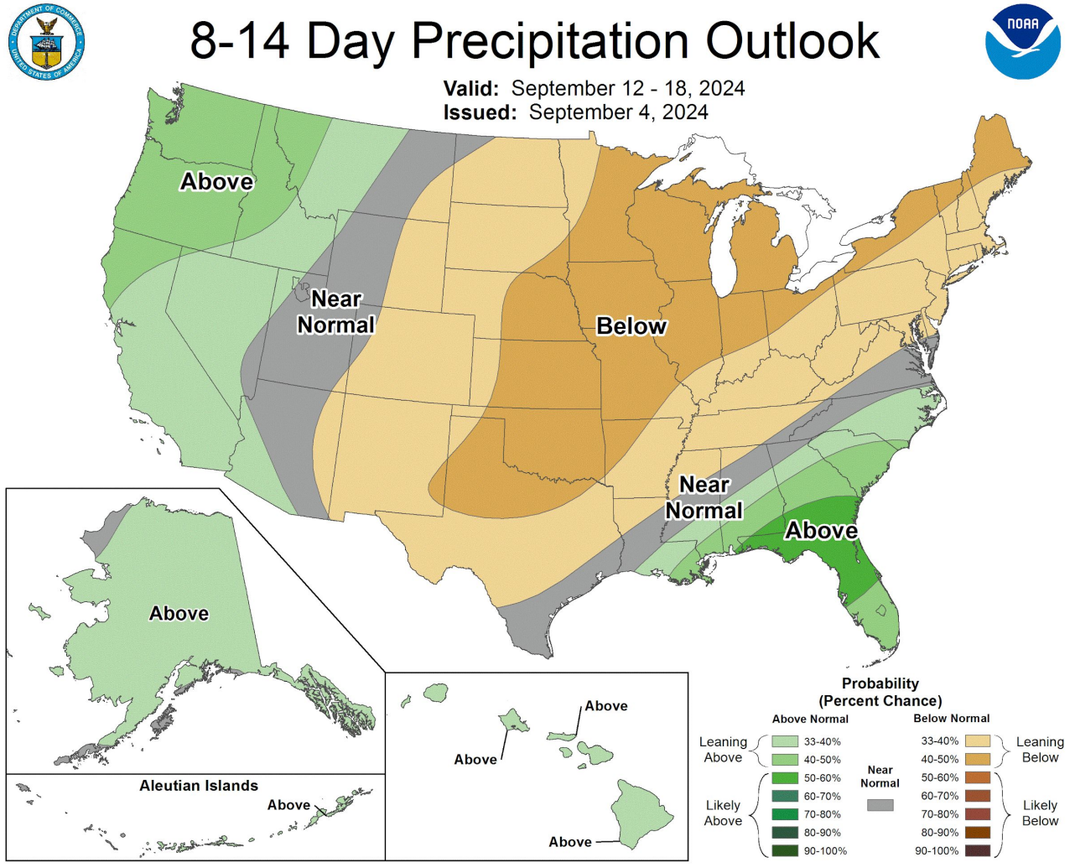
The latest monthly and seasonal outlooks can be found on the CPC homepage





Main Takeaways

- Above average temperatures and below average precipitation are favored.

Monthly Outlooks

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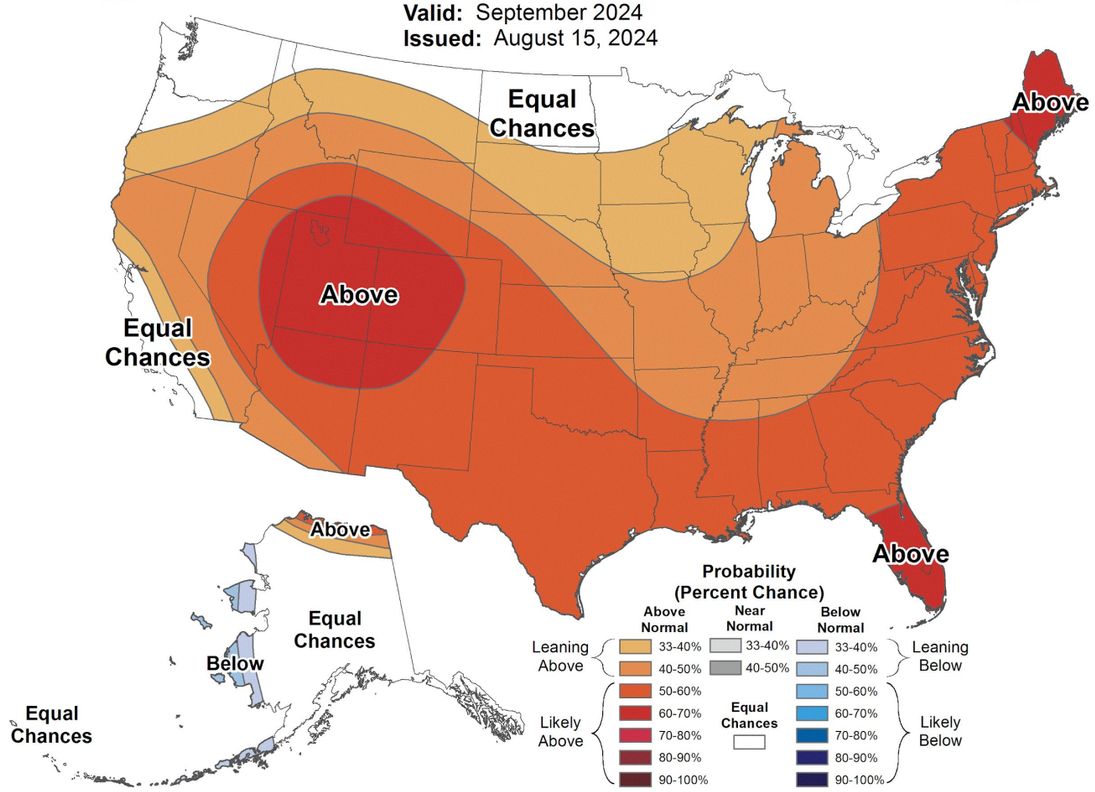
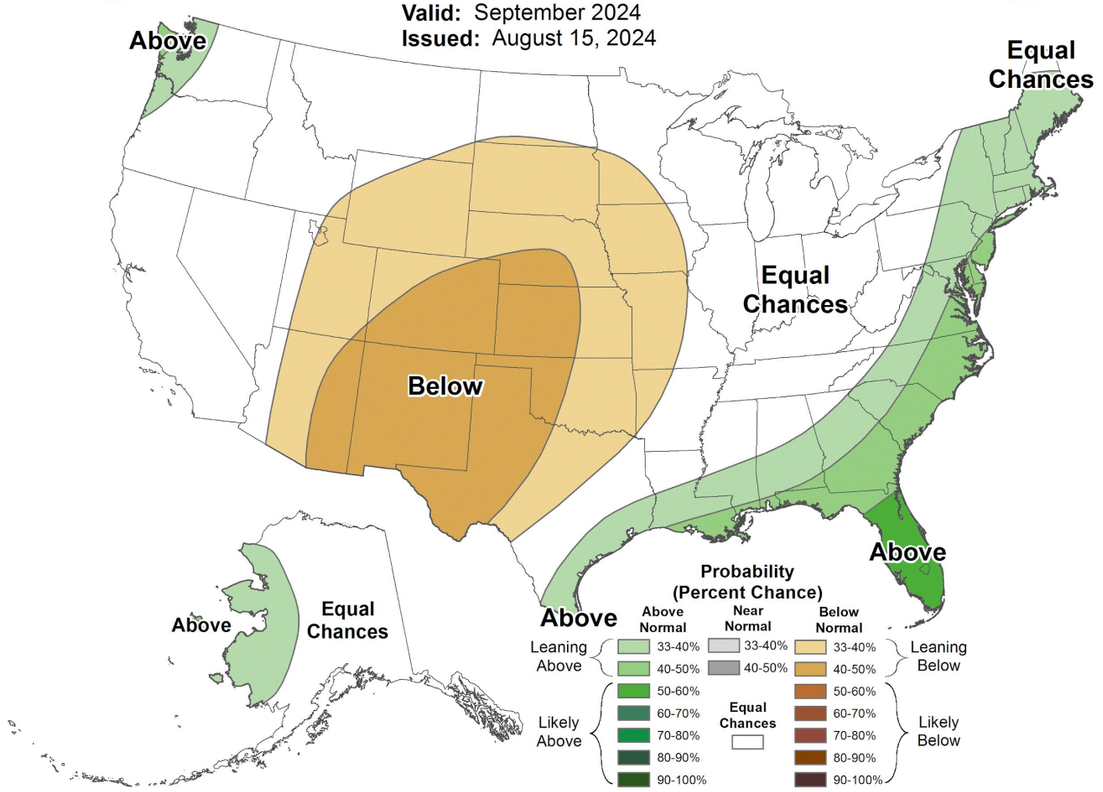
Monthly Temperature Outlook



Monthly Precipitation Outlook



Main Takeaways

- Above average temperatures and equal chances to below average precipitation are favored this month.

Seasonal Outlooks

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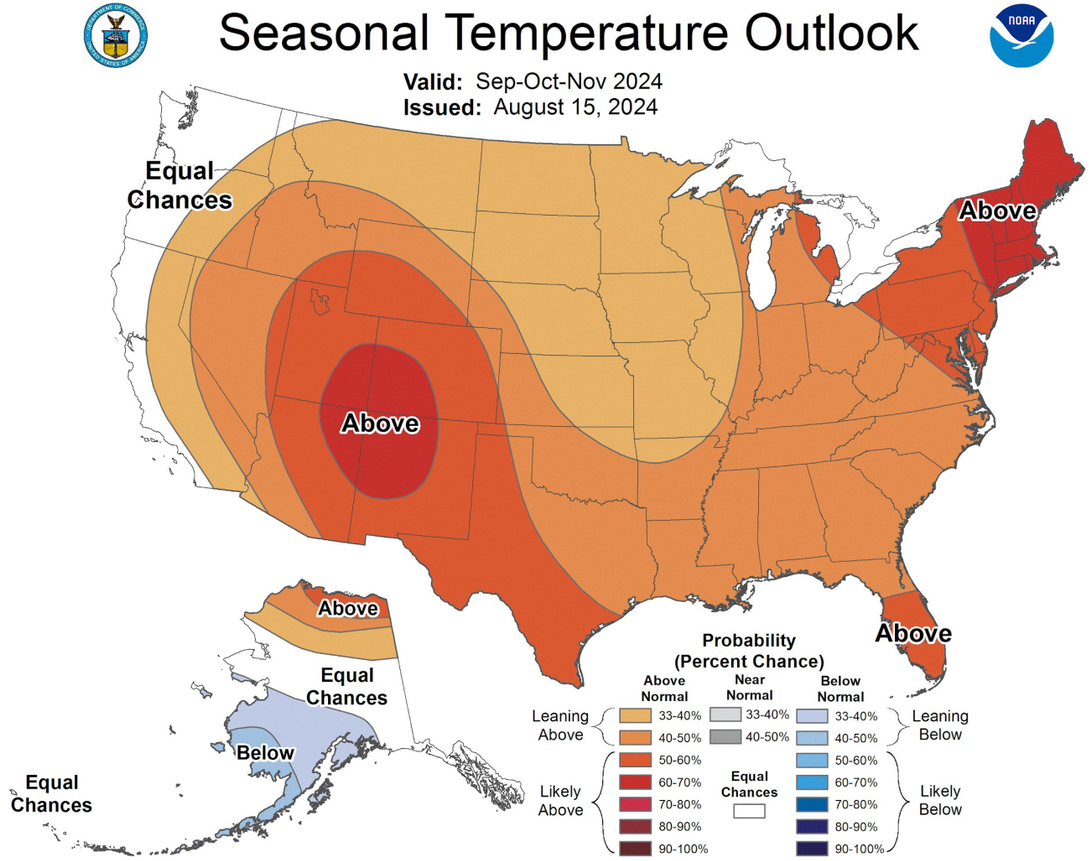
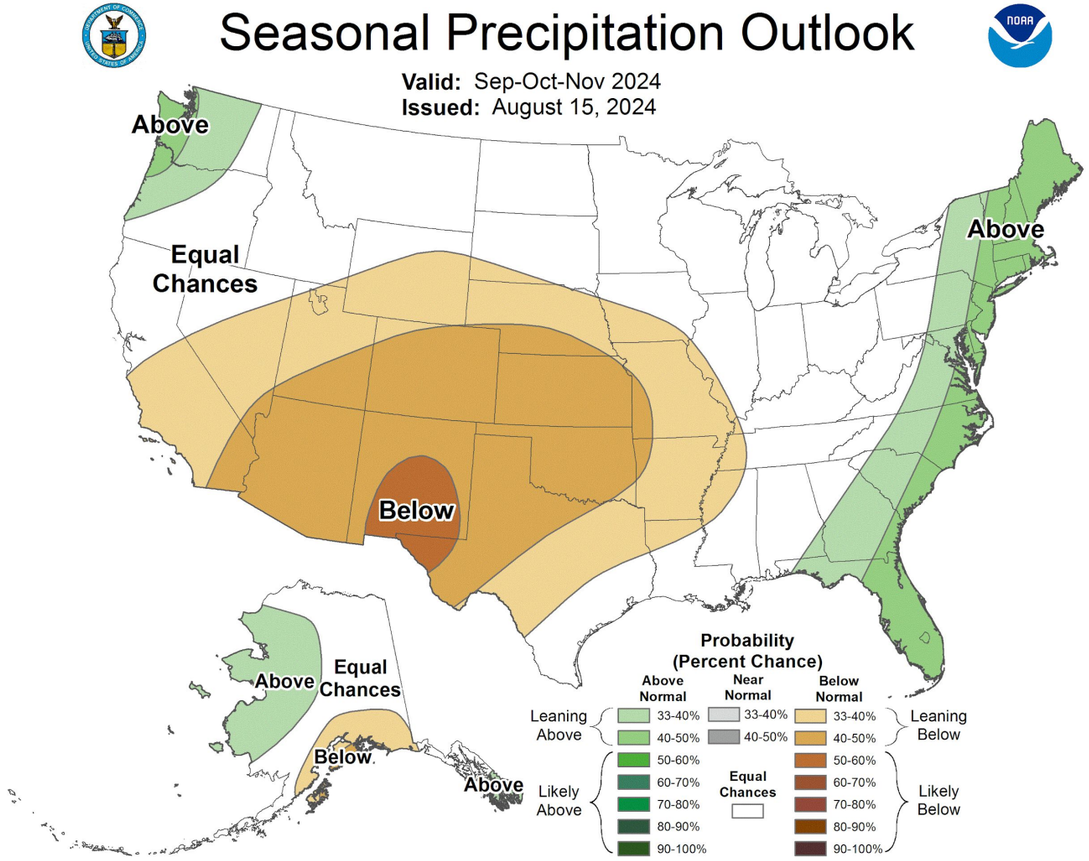
The latest monthly and seasonal outlooks can be found on the CPC homepage

Seasonal Temperature Outlook



Seasonal Precipitation Outlook



Main Takeaways

- Leaning above average temperatures and below average precipitation.

Drought Outlook

September 5, 2024
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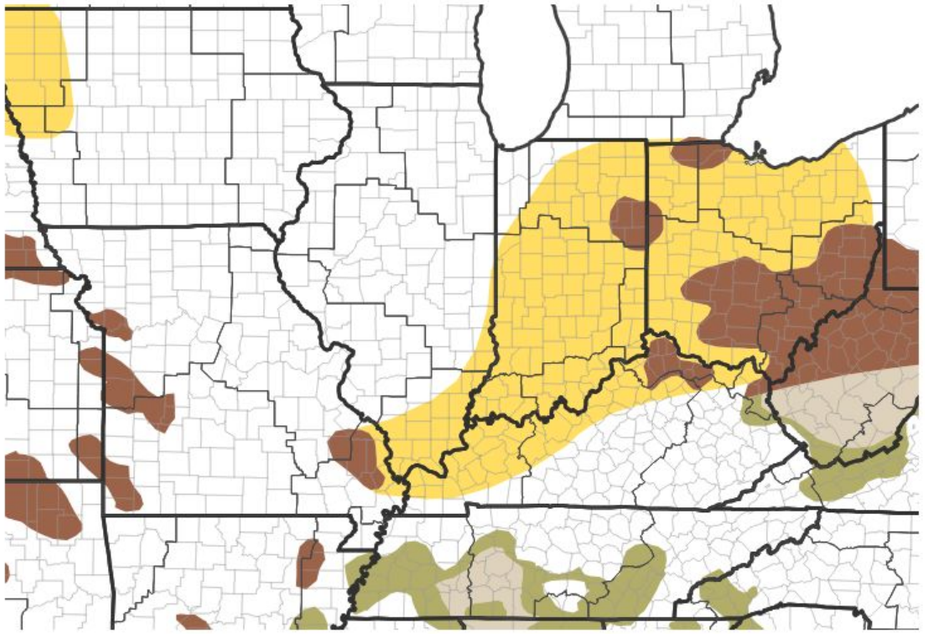
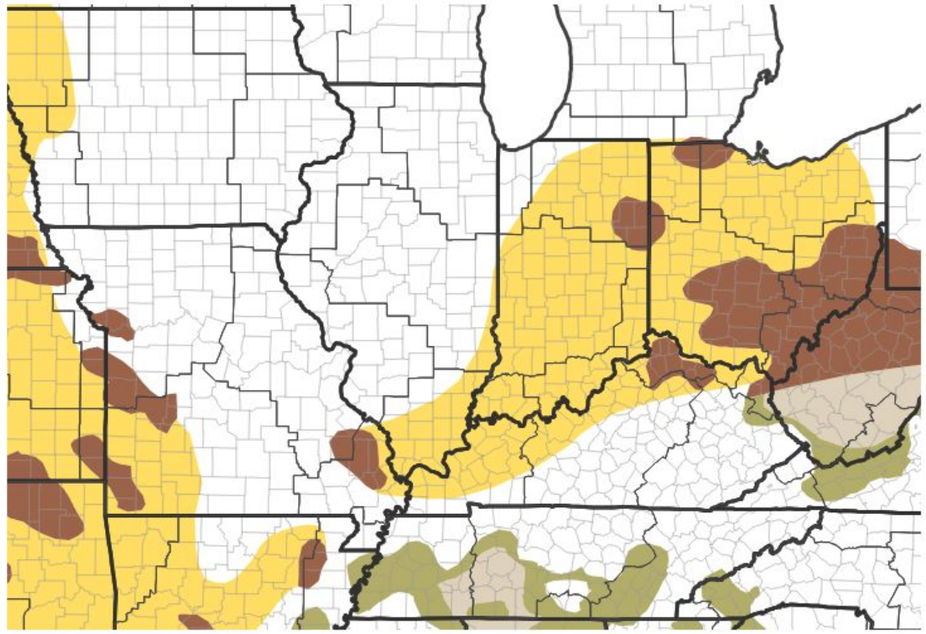
[Climate Prediction Center Monthly Drought Outlook](#) | [Climate Prediction Center Seasonal Drought Outlook](#)

1-Month Drought Outlook for September 1, 2024–September 30, 2024



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 08/31/24

Seasonal (3-Month) Drought Outlook for August 31, 2024–November 30, 2024



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 08/31/24

Main Takeaways

- Localized areas of Drought persists through September.
- Drought remains with potential development of deterioration through November.

Additional Drought Resources

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For Additional Information

- NWS Springfield Webpage | IDSS Point Forecasts
- NWS Springfield Drought Monitor Resources
- Graphical Hazardous Weather Outlook
- Missouri Drought Monitor | Kansas Drought Monitor
- Drought Monitor Archive
- CPC Drought Information
- National Integrated Drought Information System (NIDIS)
- National Drought Mitigation Center (NDMC)
- Missouri USGS Streamflows | Kansas USGS Streamflows
- Drought Safety