



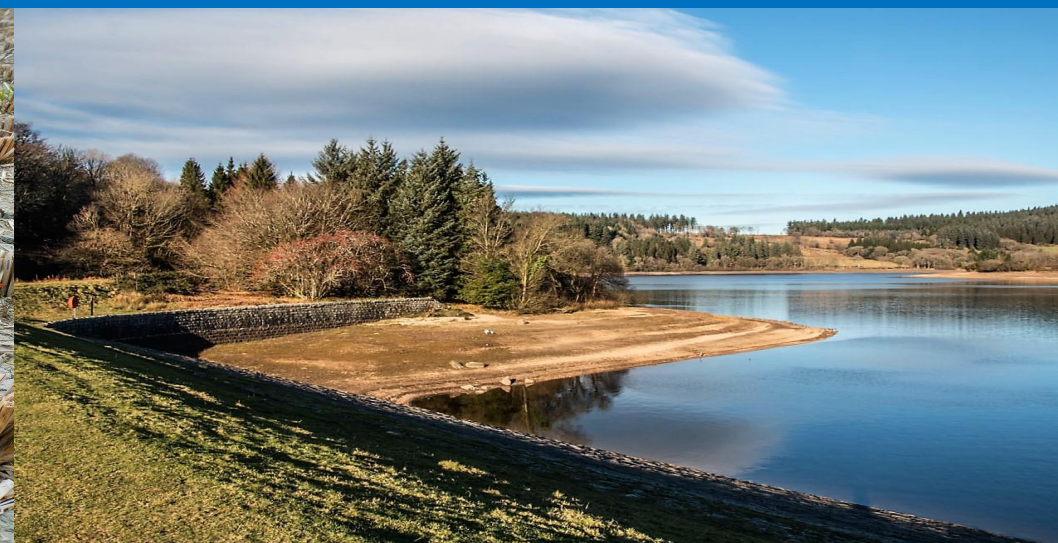
Drought Information Statement for the Missouri Ozarks

Valid September 26, 2024

Issued By: *WFO Springfield, MO*

Contact Information: *contact.sgf@noaa.gov*

- This product will be updated October 17, 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 26, 2024
12:39 PM

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

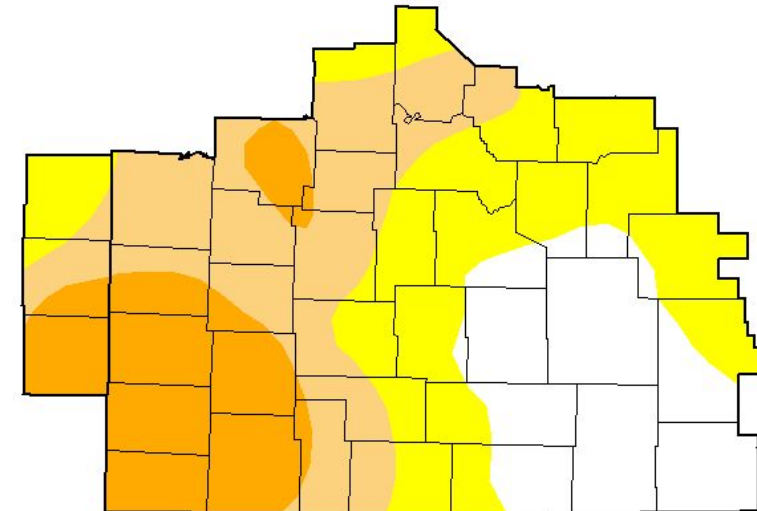
- Areas of Severe (D2) drought south over southwestern Missouri into part of far southeast Kansas with the Moderate (D1) drought contracting slightly as well for portions of central MO as well.
- **Drought Intensity and Extent**
 - D2 (Severe Drought): Portions of St Clair and Stone along with Barton, Cedar, Dade, Polk, Jasper, Newton, McDonald, Barry and Lawrence counties in western MO and Cherokee and parts of Crawford counties in southeast Kansas.
 - D1 (Moderate Drought): All of Bourbon and the remaining portions of Crawford county in southeast Kansas. In southwest Missouri, all or portions of Barry, Stone, Lawrence, Christian, Greene, Polk, Webster, Hickory, Benton, Camden, Morgan and Miller counties.

Springfield, MO WFO

September 26, 2024
(Released Thursday, Sep. 26, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	22.84	77.16	45.77	19.93	0.00	0.00
Last Week 09-17-2024	29.22	70.78	49.17	16.10	0.00	0.00
3 Months Ago 06-25-2024	86.26	13.74	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	14.22	85.78	71.72	39.81	0.55	0.00
Start of Water Year 09-26-2023	32.21	67.79	48.40	24.32	9.34	0.00
One Year Ago 09-26-2023	32.21	67.79	48.40	24.32	9.34	0.00



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:

Brad Rippey
U.S. Department of Agriculture



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

National Weather Service
Springfield, MO

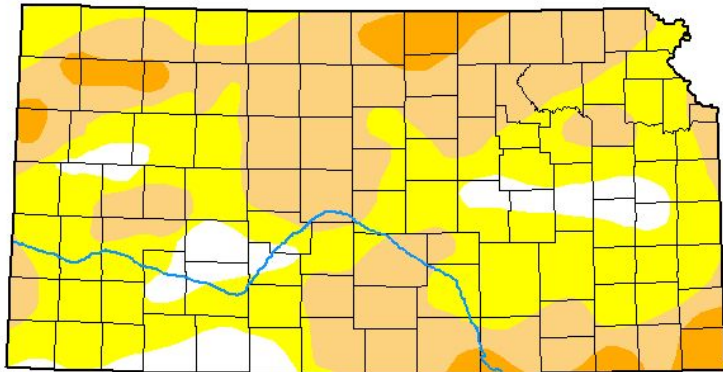


State Drought Monitor

September 26, 2024
12:39 PM

Link to [Recent Change Maps](#)

U.S. Drought Monitor Kansas



September 24, 2024
(Released Thursday, Sep. 26, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.77	91.23	46.38	5.90	0.00	0.00
Last Week 09-17-2024	3.48	96.52	65.05	11.20	0.00	0.00
3 Months Ago 06-25-2024	39.18	60.82	28.16	5.90	0.00	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 09-26-2023	18.61	81.39	64.30	45.56	20.60	1.65

Intensity:



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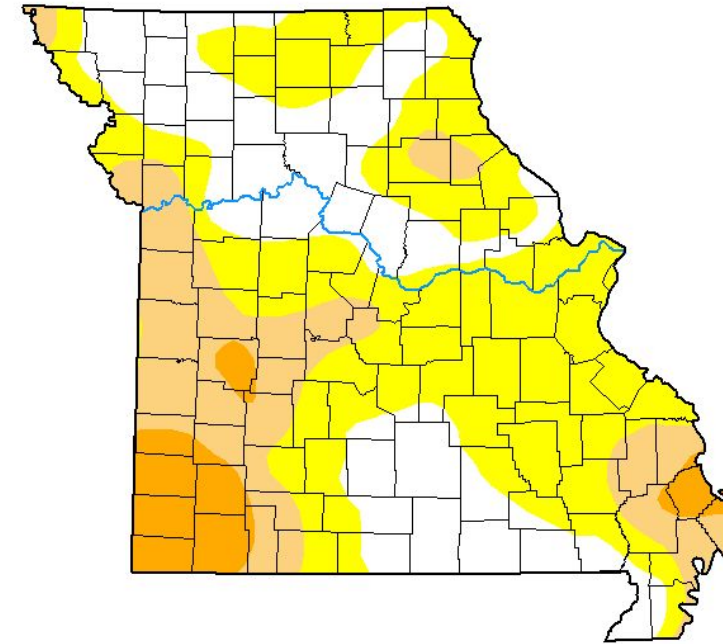
Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu

U.S. Drought Monitor Missouri



September 24, 2024
(Released Thursday, Sep. 26, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	29.39	70.61	25.89	6.96	0.00	0.00
Last Week 09-17-2024	17.51	82.49	47.00	12.98	0.00	0.00
3 Months Ago 06-25-2024	74.63	25.37	4.98	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 09-26-2023	18.08	81.92	54.87	27.22	9.04	0.00

Intensity:



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:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu

Main Takeaways

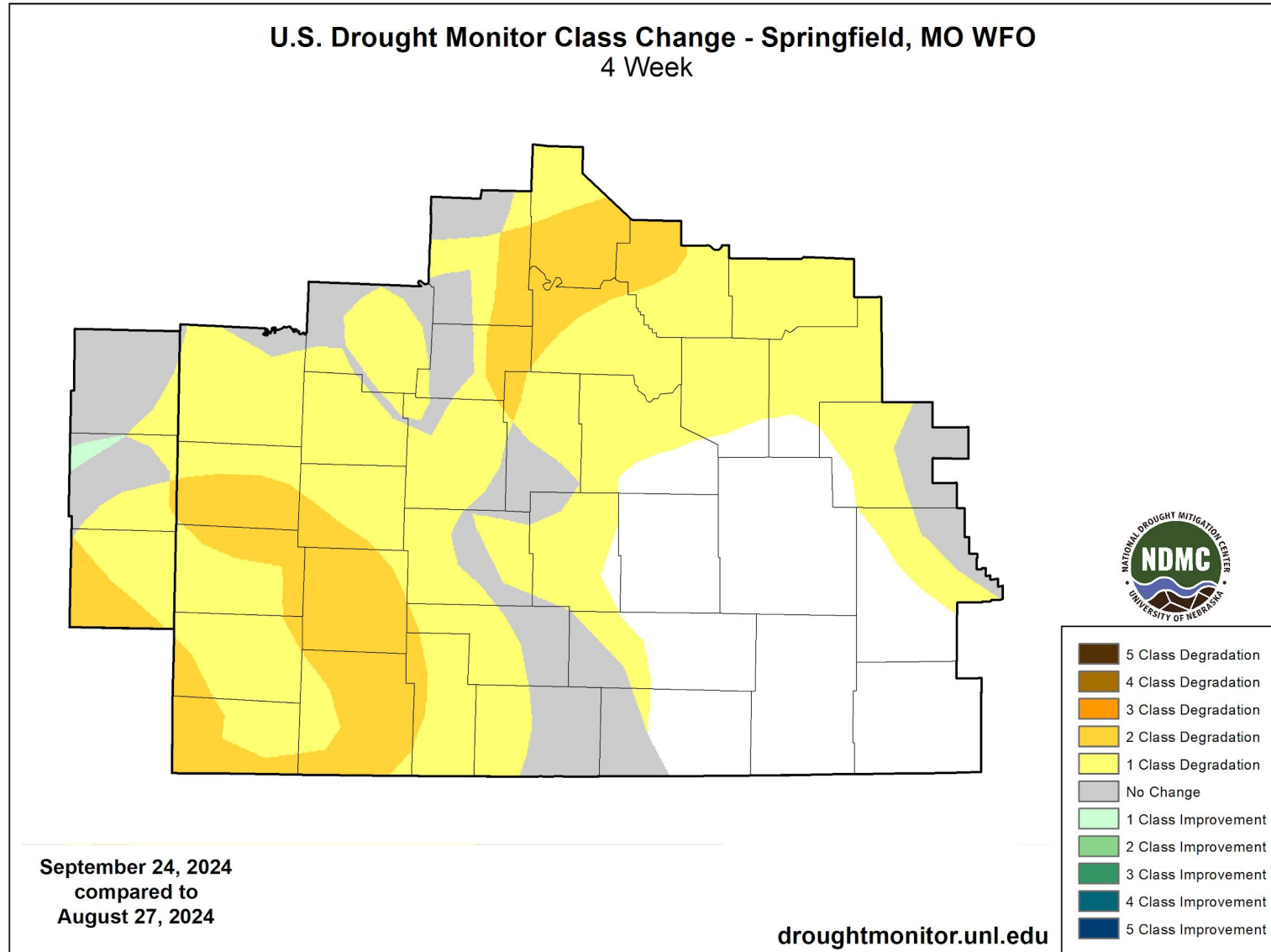
- Severe (D2) Drought improved for some but worsened for others over western Missouri into far southeast Kansas
- Moderate (D1) drought remained across portions of central Missouri.



Recent Change in Drought Intensity

September 26, 2024
12:39 PM

Link to [Recent Change Maps](#)



Main Takeaways

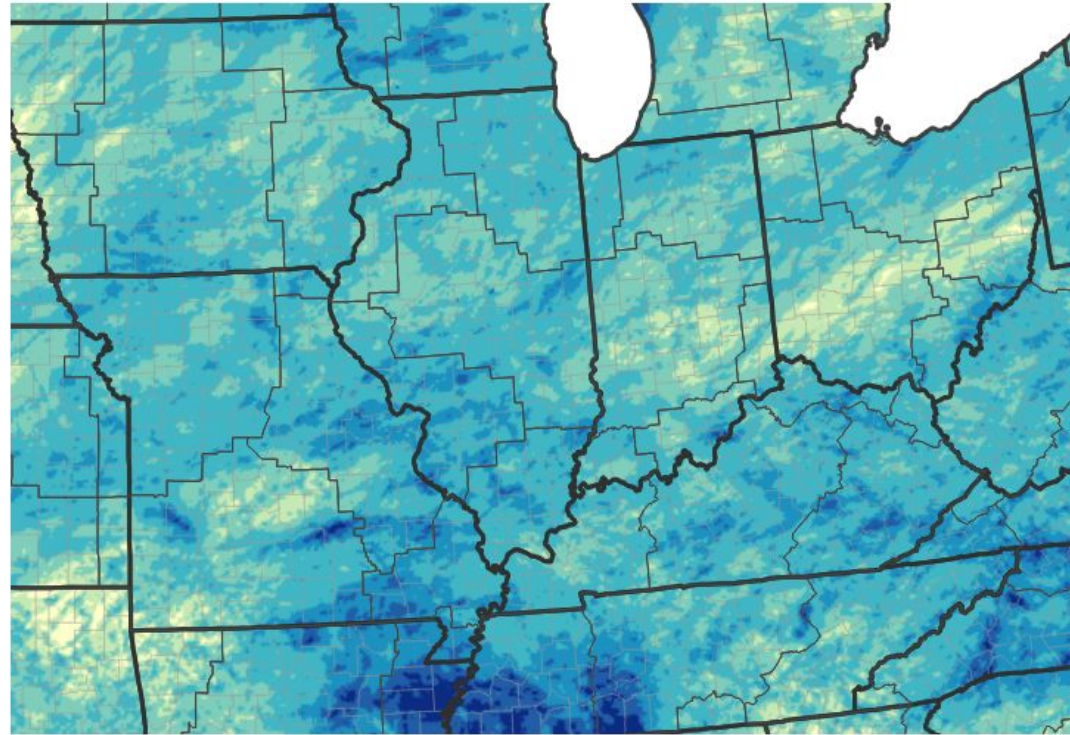
- Drought conditions have degraded quickly over the past month over western Missouri
- Central Missouri has also seen an increase in drought.
- Areas from the Lake of the Ozarks southeast into south central Missouri saw no change over the past month.



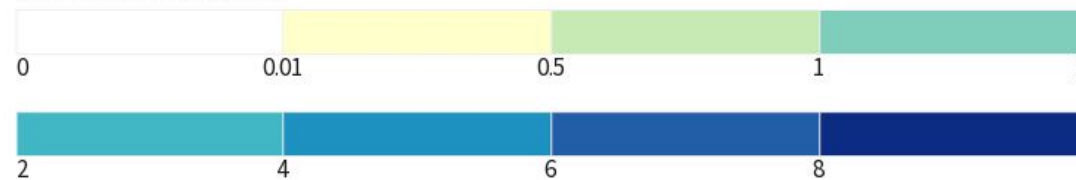
Precipitation

September 26, 2024
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30-Day Precipitation Accumulations (Inches)

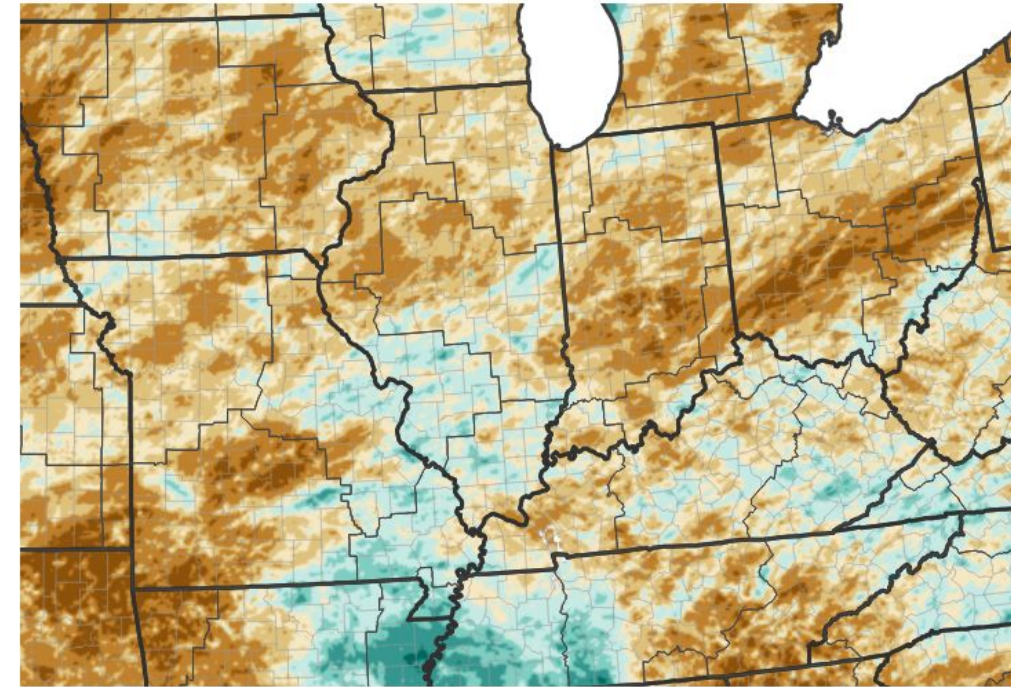


Inches of Precipitation

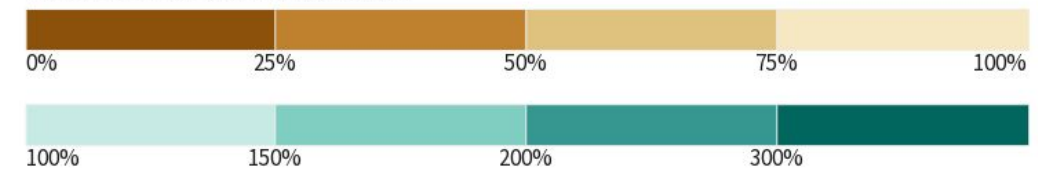


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/26/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov; Last Updated: 09/26/24

Main Takeaways

- Many areas west of Highway 65 into southeast Kansas have received less than 2 inches of rain in the past 30 days...with portions seeing less than a half inch of rain. Areas east of Highway 65 received widespread 1-4"...and even some pockets of 4-6" inches.
- Nearly all areas saw less than average rain...with some receiving less than 25% of normal over the past month.

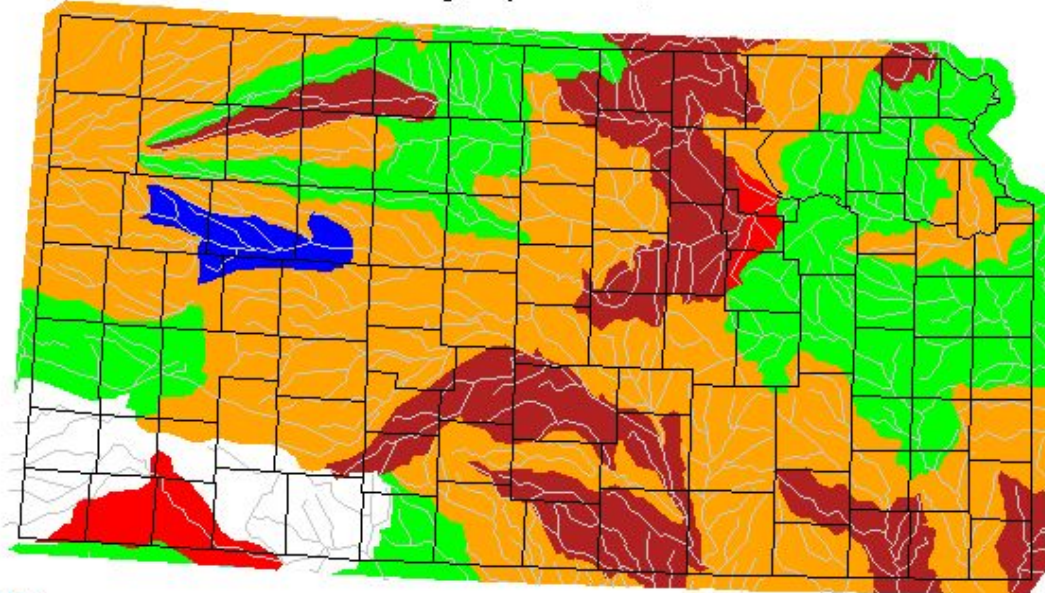




Hydrologic Conditions and Impacts

September 26, 2024
12:39 PM

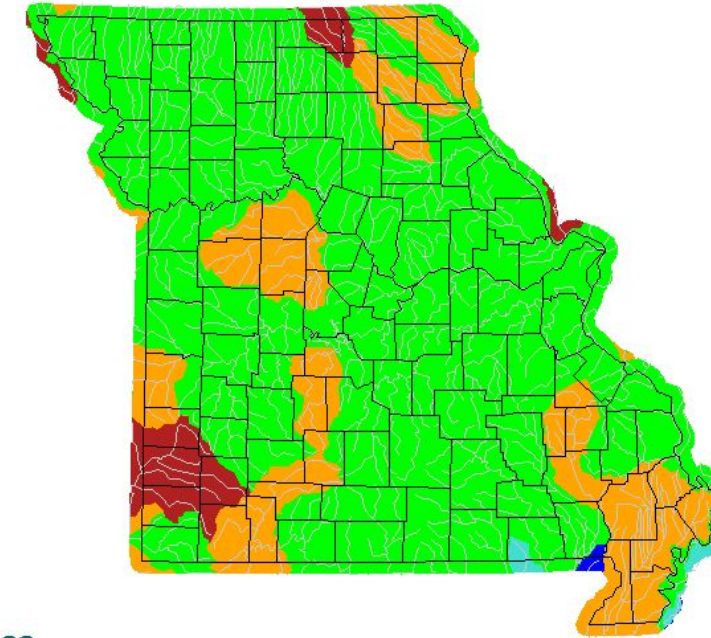
Hednesday, September 18, 2024



Explanation - Percentile classes							
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 7 day average streamflow HUC map - Kansas.](#)

Hednesday, September 18, 2024



Explanation - Percentile classes							
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 7 day average streamflow HUC map - Missouri.](#)

Main Takeaways

- Streamflows over the past week over Southeast Kansas into western Missouri have as little as less than 10% of normal over the Spring River and parts of the Neosho and Elk river basins.
- Sufficient rain and spring fed streams over much of Missouri remained at 25-75% of normal flow.





Fire Hazard Impacts

September 26, 2024
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Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

Main Takeaways

- With potential drought expansion, portions of the Ozarks may experience increased risk of Significant Wildfire activity this coming start to Fall.





Summary of Impacts

September 26, 2024

12:39 PM

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

Hydrologic Impacts

- Significant rainfall deficiencies were noted over southeast Kansas to along Highway 65 in Missouri. The Marmaton and Spring Rivers as well as most smaller creeks including some east of Highway 65 were in a low water threshold.

Agricultural Impacts

- Fall plantings have been impacted with wilting and bug infestation reported with some estimating extreme degree of loss to near crop failure.
- Pastures are providing marginal feed, requiring supplemental feeding in some regions.

Fire Hazard Impacts

- Local Fire Chiefs have reported widespread browning of vegetation and a recent increase in grass fires.

Other Impacts

- There are no additional known impacts at this time.

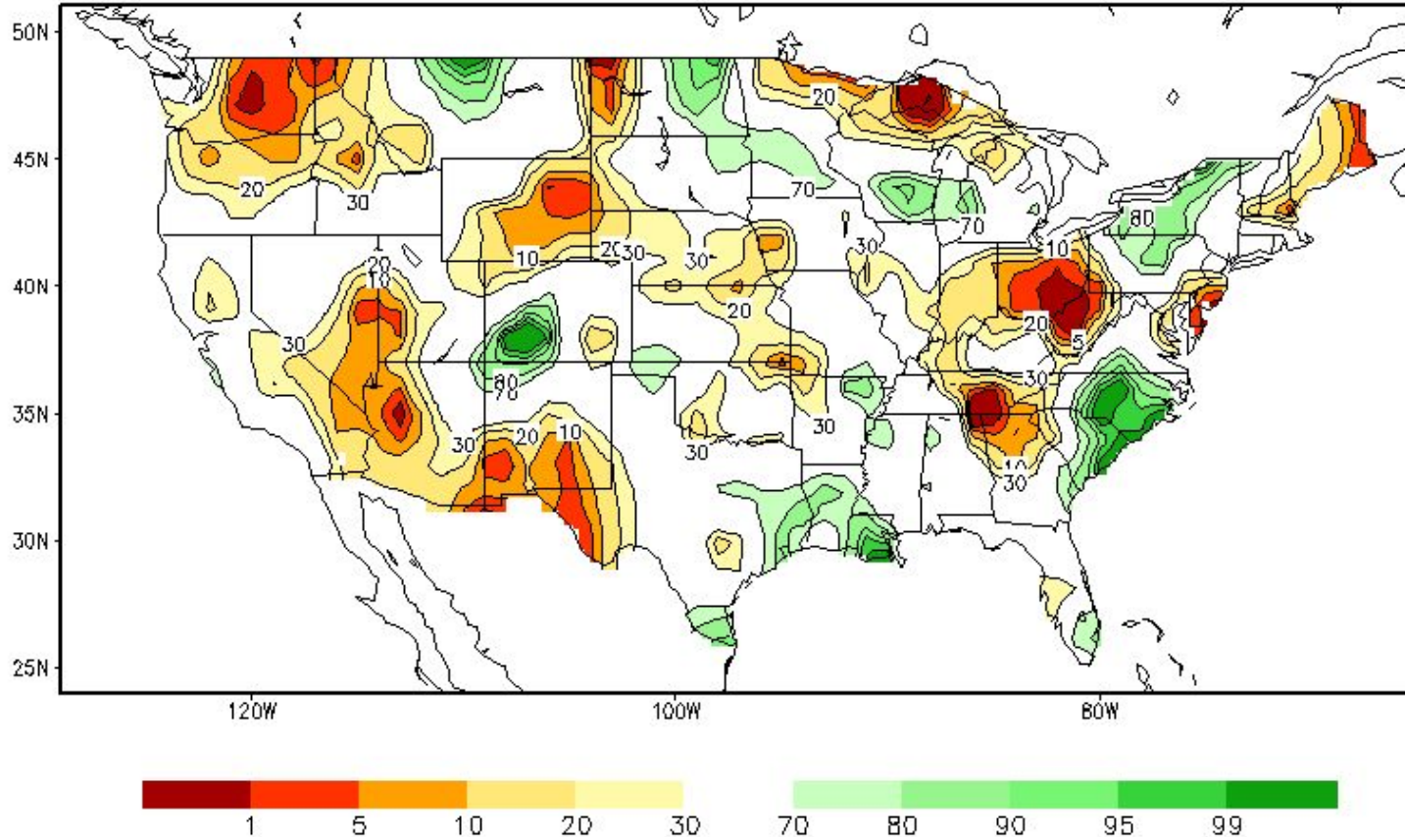
Mitigation actions

- 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.

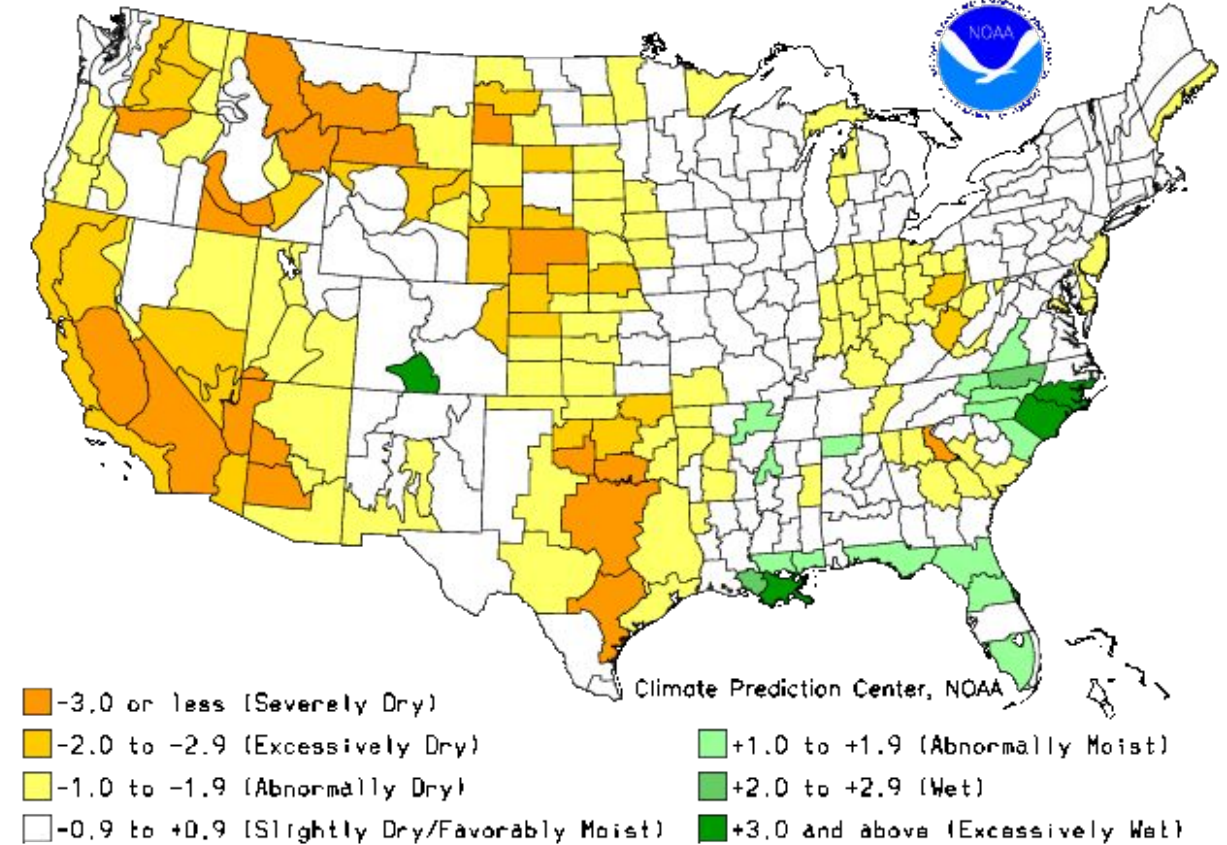




Calculated Soil Moisture Ranking Percentile SEP 25, 2024



Crop Moisture Index by Division Weekly Value for Period Ending SEP 21, 2024 Short Term Need vs. Available Water in a Shallow Soil Profile



Main Takeaways

- Crop moistures over southeast Kansas into western Missouri were abnormally dry...with the Soil Moisture Ranking as low as below the 5th percentile.
- South central Missouri into the eastern Ozarks continued to be slightly dry to favorably moist





8 to 14 Day Outlooks

September 26, 2024
12:39 PM

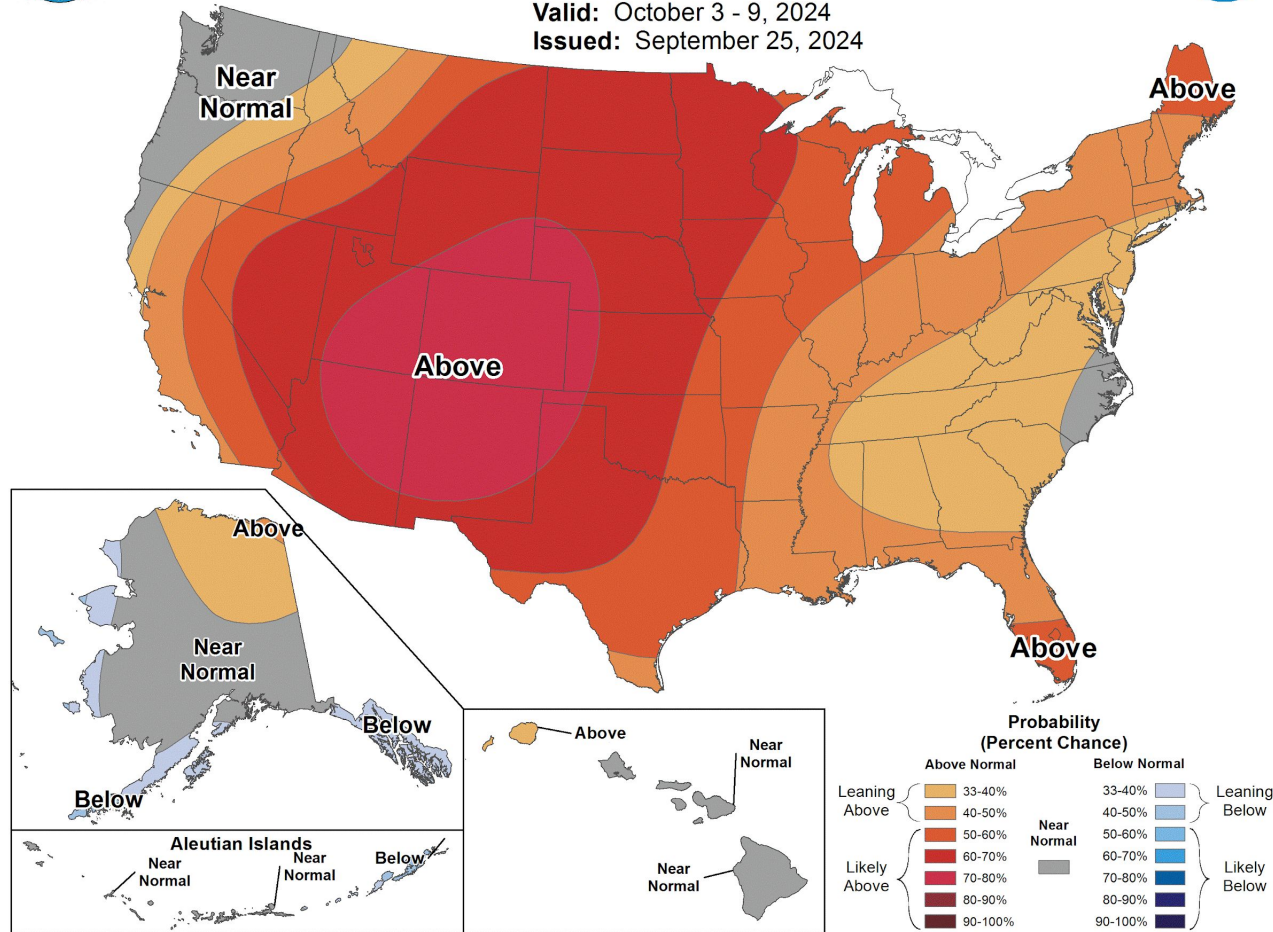
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



8-14 Day Temperature Outlook



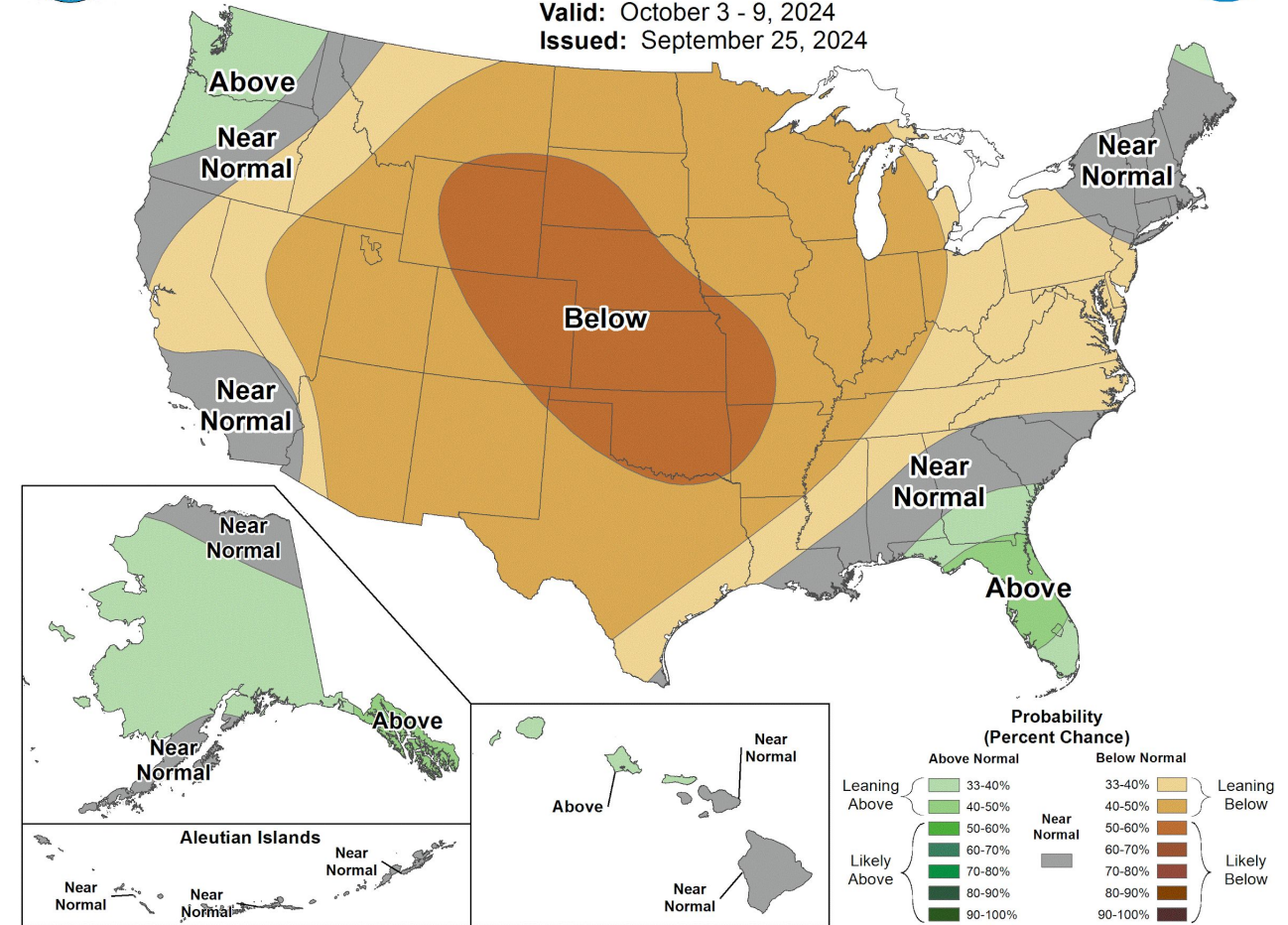
Valid: October 3 - 9, 2024
Issued: September 25, 2024



8-14 Day Precipitation Outlook



Valid: October 3 - 9, 2024
Issued: September 25, 2024



Main Takeaways

- A lean towards above average temperatures look to continue into at least early October.
- Precipitation favors a slightly below average outlook
- This may lead to Drought expansion if verified





October Monthly Outlooks

September 26, 2024
12:39 PM

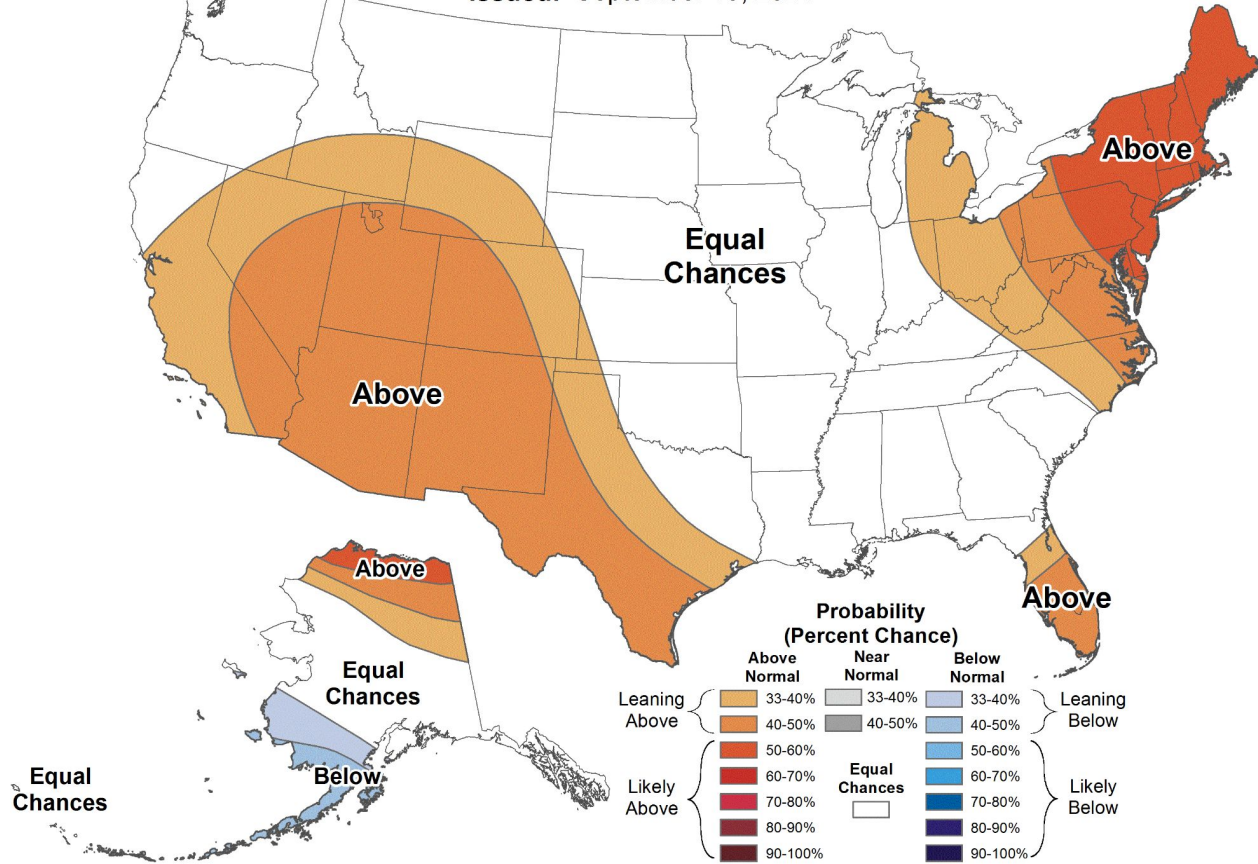
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



Monthly Temperature Outlook



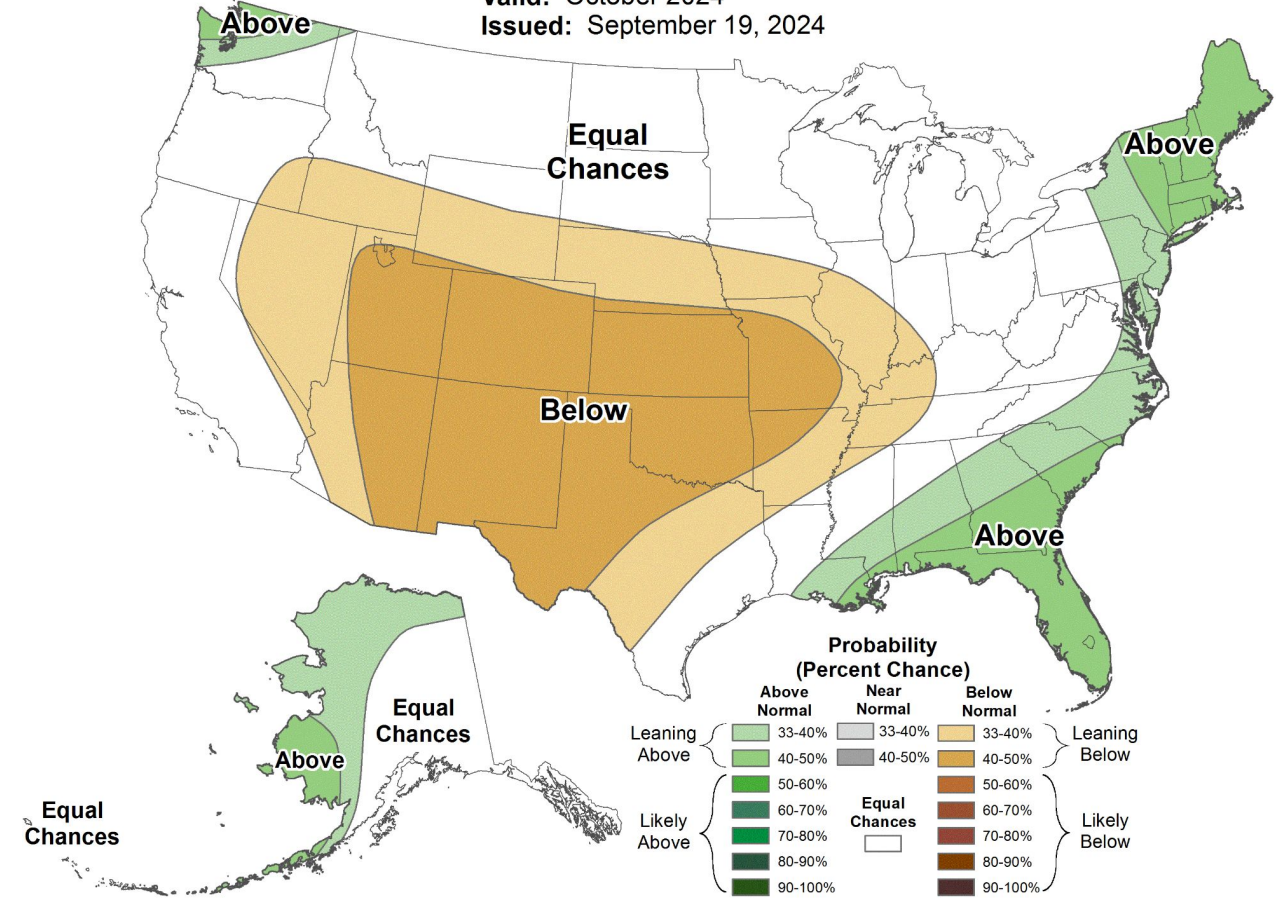
Valid: October 2024
Issued: September 19, 2024



Monthly Precipitation Outlook



Valid: October 2024
Issued: September 19, 2024



Main Takeaways

- The temperature pattern is trending toward equal chances for above, below and average temperatures for October.
- The precipitation outlook favors a continued below average amount of rainfall in October.
- This may allow for drought expansion and increased fire weather concerns for the fall season.





Seasonal Outlooks

September 26, 2024
12:39 PM

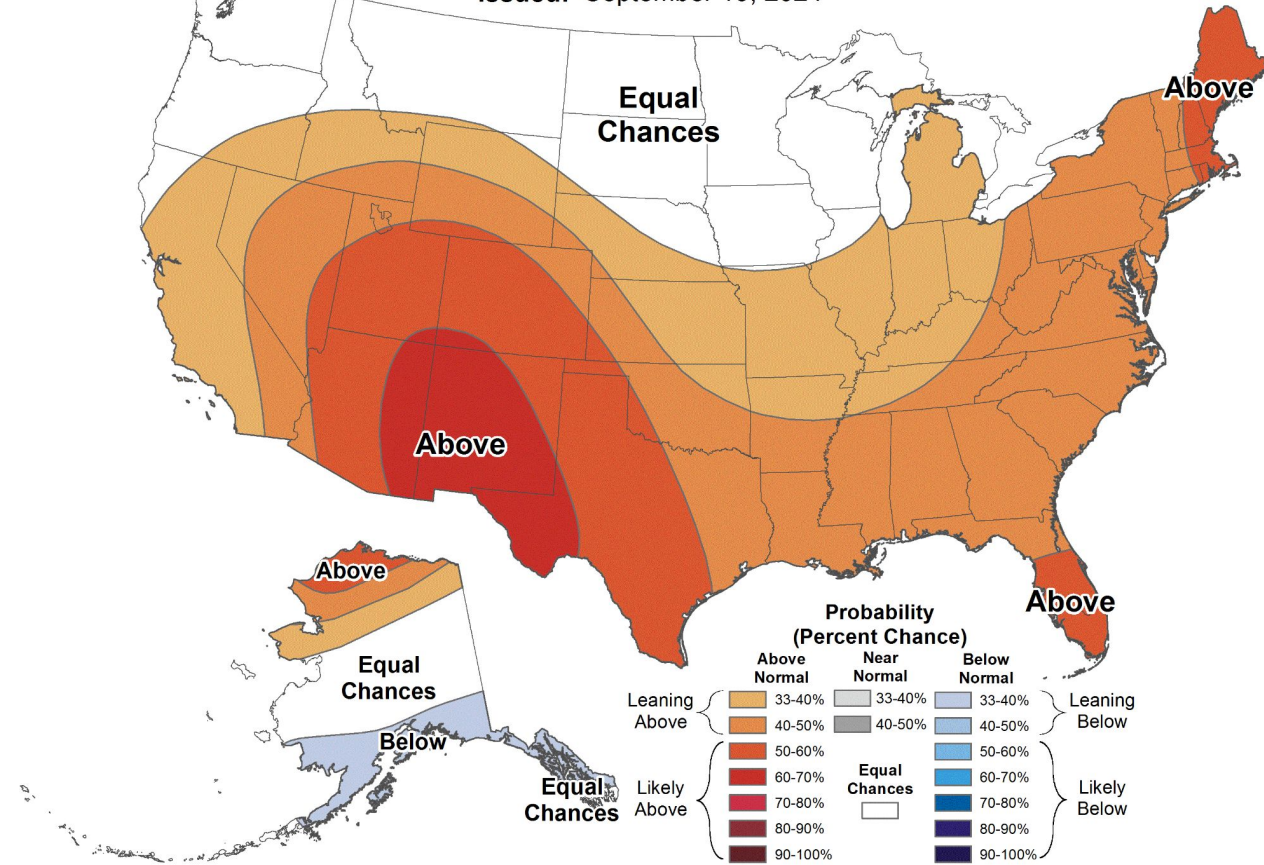
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



Seasonal Temperature Outlook



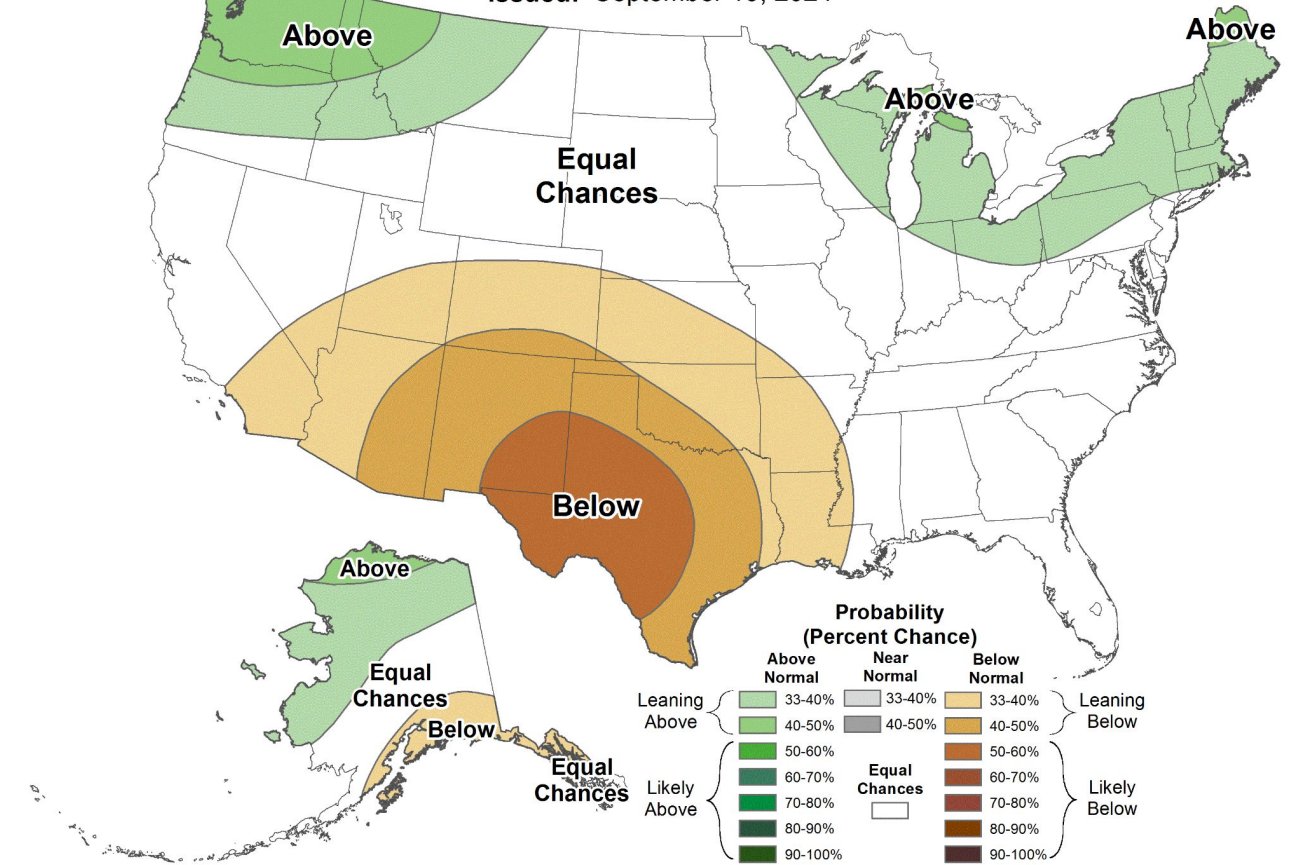
Valid: Oct-Nov-Dec 2024
Issued: September 19, 2024



Seasonal Precipitation Outlook



Valid: Oct-Nov-Dec 2024
Issued: September 19, 2024



Main Takeaways

- After temperatures trended toward equal chances for above/below/average in October, the longer term outlook for November and December slightly favors above average temperatures.
- The precipitation outlook in October favors below average chances, then November and December offers equal chances.





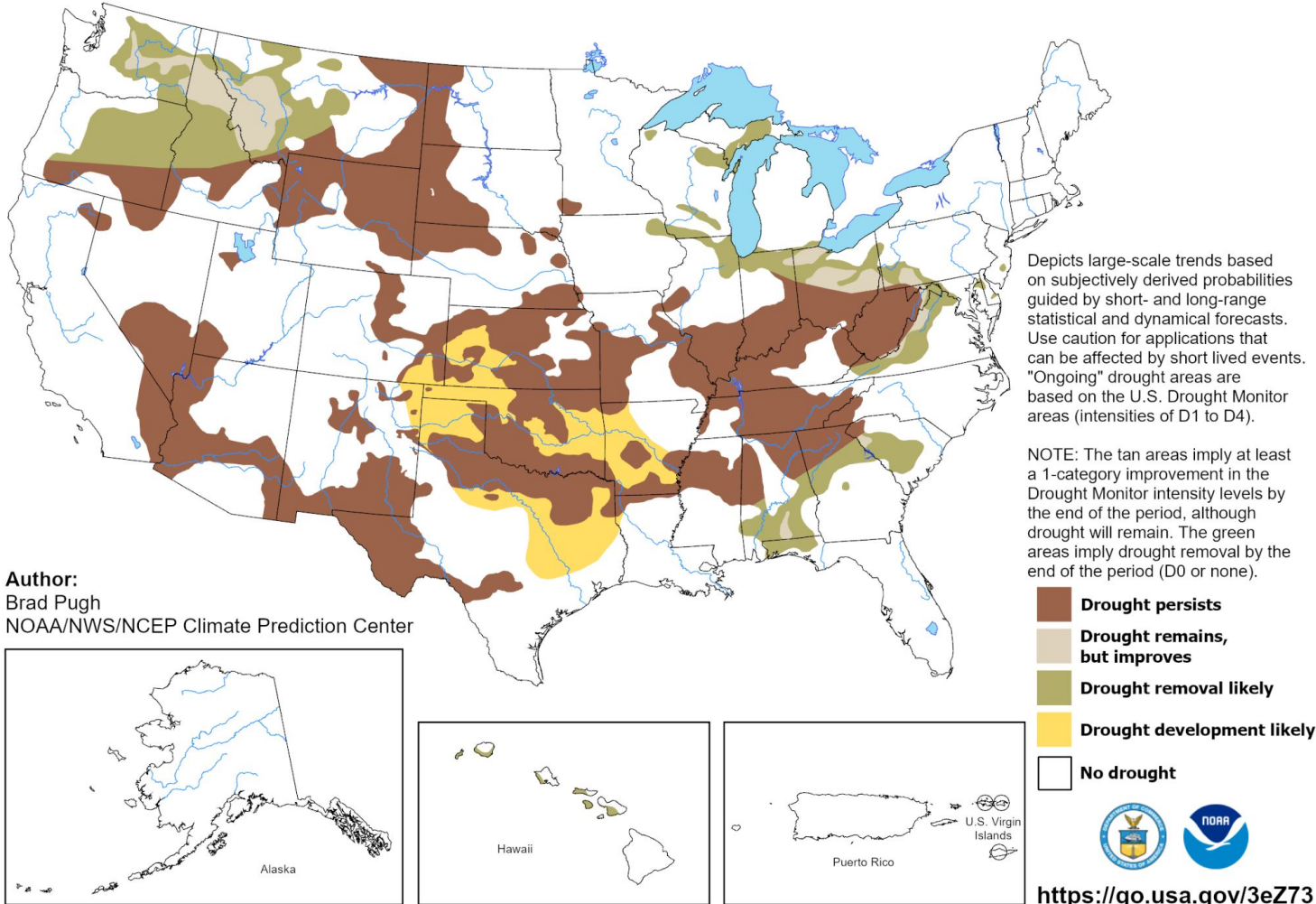
Drought Outlook

September 26, 2024
12:39 PM

[Climate Prediction Center Monthly Drought Outlook](#) | [Climate Prediction Center Seasonal Drought Outlook](#)

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for September 19 - December 31, 2024
Released September 19, 2024



Main Takeaways

- Monthly drought (not shown) through the the end of the year favors a continued to potentially worsening drought for southeast Kansas into at least western Missouri.
- Impacts over central through south central may be more limited.



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](#)

Drought Impacts



Agriculture

Farms, ranches, and grazing lands suffer, and increases the cost of their products



Public Health

A decrease of water can lead to an increase of illness, disease, mortality rates, and adverse mental health



Ecosystems

Harms fish, wildlife, and plants, as well as the benefits these ecosystems provide



Wildfire Management

Dry, hot, and windy weather combined with dried out vegetation can lead to more large-scale wildfires



Manufacturing

Interruptions in the water supply can result in a reduction of productivity or closure of facilities



Energy

Production of all types of energy requires water, and drought can severely impact energy systems and prices



During a Drought be Vigilant

Conserve Water

Practice Fire Prevention

Follow Directions from Local Officials

Trinity Lake, CA, dry lakebed during California Drought, 2014. Photo: USGS

