



# Drought Information Statement for the Missouri Ozarks

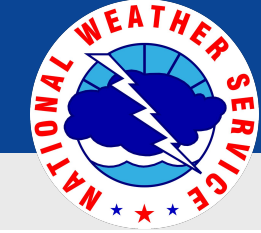
Valid October 24, 2024

Issued By: *WFO Springfield, MO*

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

- This product will be updated November 7, 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.





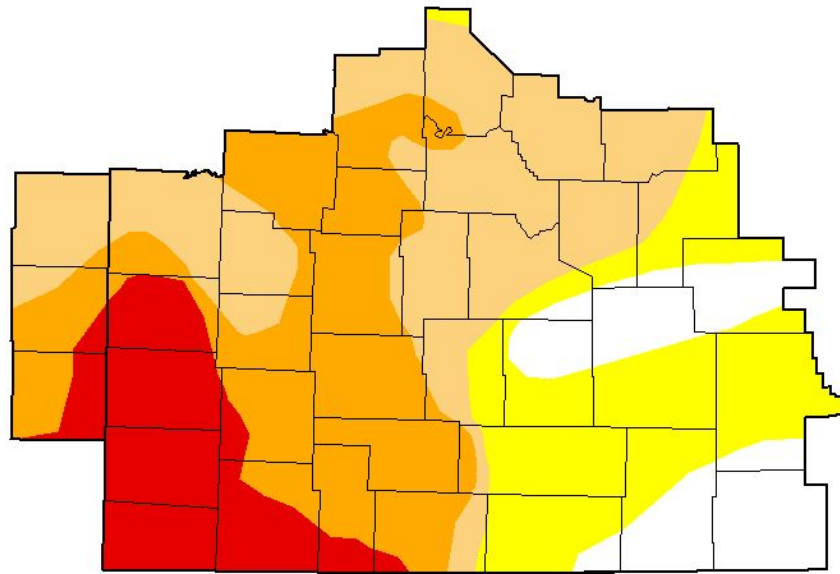
# U.S. Drought Monitor

October 24, 2024  
1:17 PM

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

## U.S. Drought Monitor Springfield, MO WFO

October 15, 2024  
(Released Thursday, Oct. 17, 2024)  
Valid 8 a.m. EDT



**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:**

Brian Fuchs  
National Drought Mitigation Center

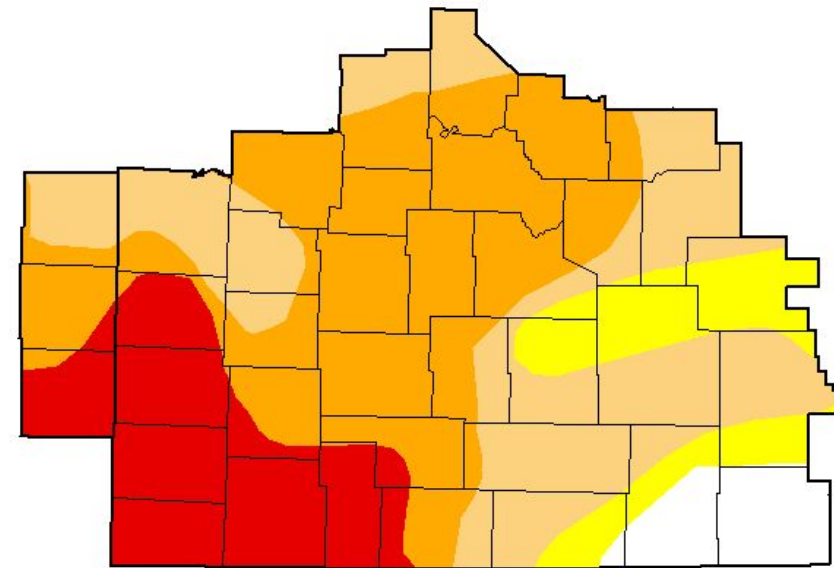


[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

Last Week (Oct 15)

## U.S. Drought Monitor Springfield, MO WFO

October 22, 2024  
(Released Thursday, Oct. 24, 2024)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	5.52	94.48	84.81	55.43	18.47	0.00
<b>Last Week</b> <i>10-15-2024</i>	12.05	87.95	67.77	39.98	13.92	0.00
<b>3 Months Ago</b> <i>07-23-2024</i>	96.80	3.20	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2024</i>	14.22	85.78	71.72	39.81	0.55	0.00
<b>Start of Water Year</b> <i>10-01-2024</i>	20.98	79.02	51.60	25.72	0.00	0.00
<b>One Year Ago</b> <i>10-24-2023</i>	36.17	63.83	50.75	24.62	9.34	0.00

**Intensity:**

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

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**Author:**

Rocky Bilotta  
NCEI/NOAA



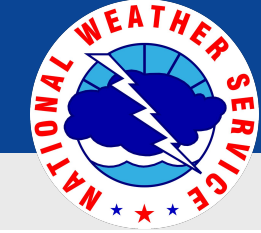
[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

Latest (Oct 22)



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

National Weather Service  
Springfield, MO

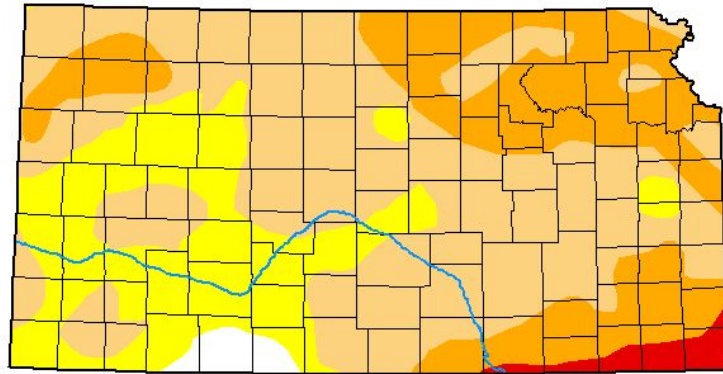


# State Drought Monitor

October 24, 2024  
1:17 PM

Link to [Recent Change Maps](#)

## U.S. Drought Monitor Kansas



October 22, 2024  
(Released Thursday, Oct. 24, 2024)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.72	98.28	75.62	25.89	2.06	0.00
Last Week 10-15-2024	3.30	96.70	64.38	16.33	1.16	0.00
3 Months Ago 07-23-2024	41.87	58.13	18.88	4.29	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 10-01-2024	7.48	92.52	50.40	8.34	0.00	0.00
One Year Ago 10-24-2023	15.87	84.13	68.14	50.57	20.47	1.65

**Intensity:**

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

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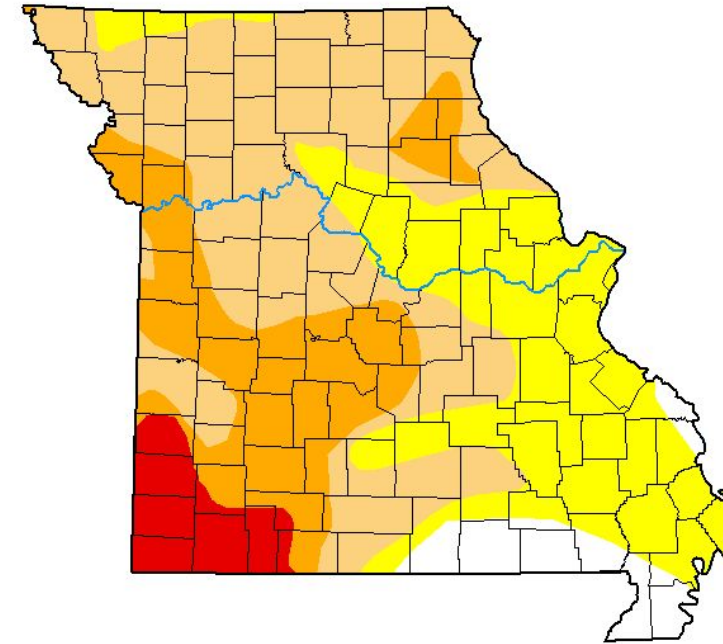
**Author:**

Rocky Bilotta  
NCEI/NOAA



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

## U.S. Drought Monitor Missouri



October 22, 2024  
(Released Thursday, Oct. 24, 2024)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.85	94.15	65.18	25.45	5.74	0.00
Last Week 10-15-2024	22.95	77.05	39.37	18.07	4.50	0.00
3 Months Ago 07-23-2024	98.86	1.14	0.00	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 10-01-2024	39.30	60.70	23.73	7.95	0.00	0.00
One Year Ago 10-24-2023	13.76	86.24	66.68	33.46	10.30	0.00

**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
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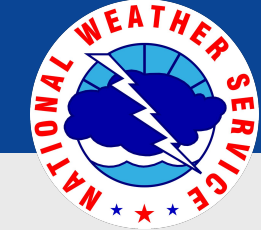
### Main Takeaways

- Continued expansion of drought conditions across the area
- Impacts continue to expand indicating via [Drought Impacts Reporter](#)



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

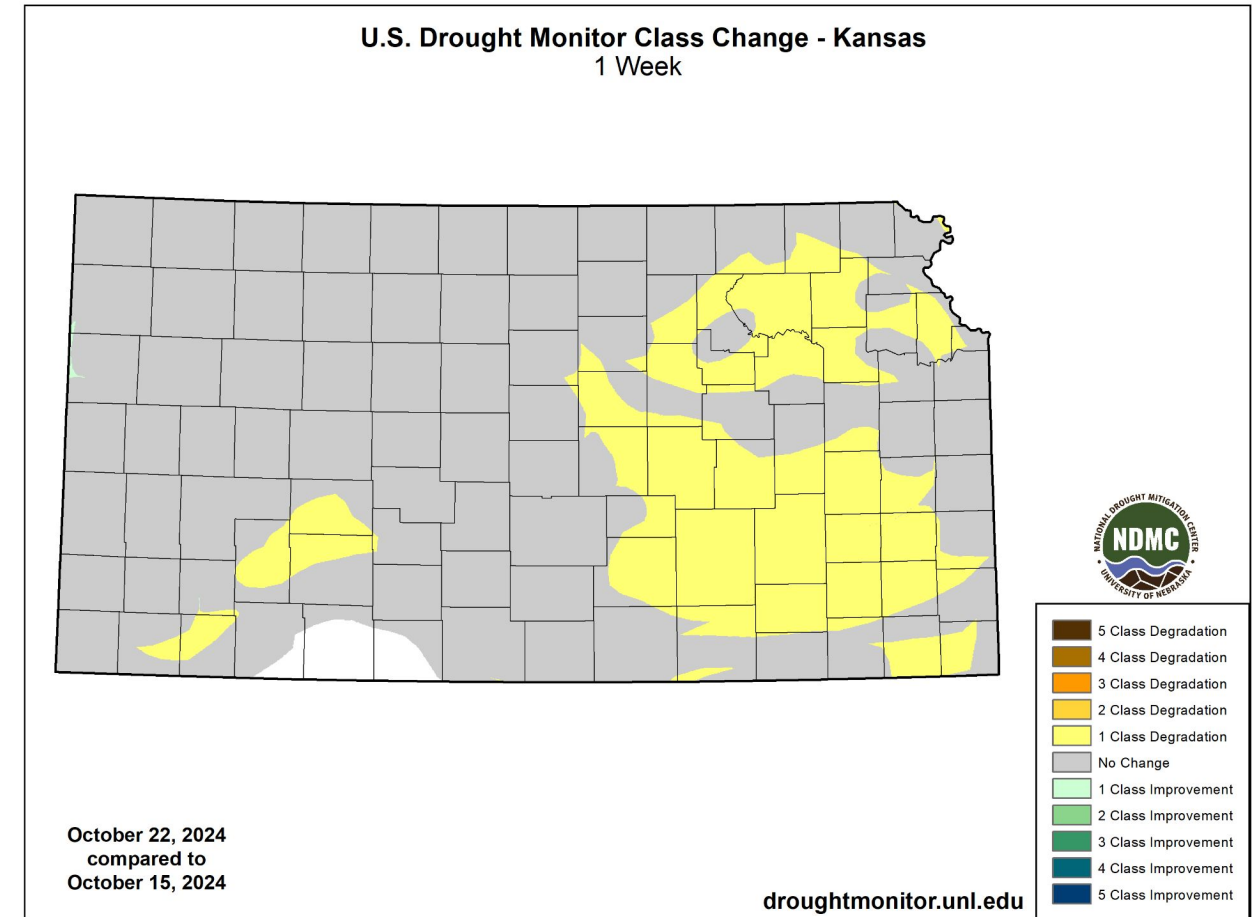
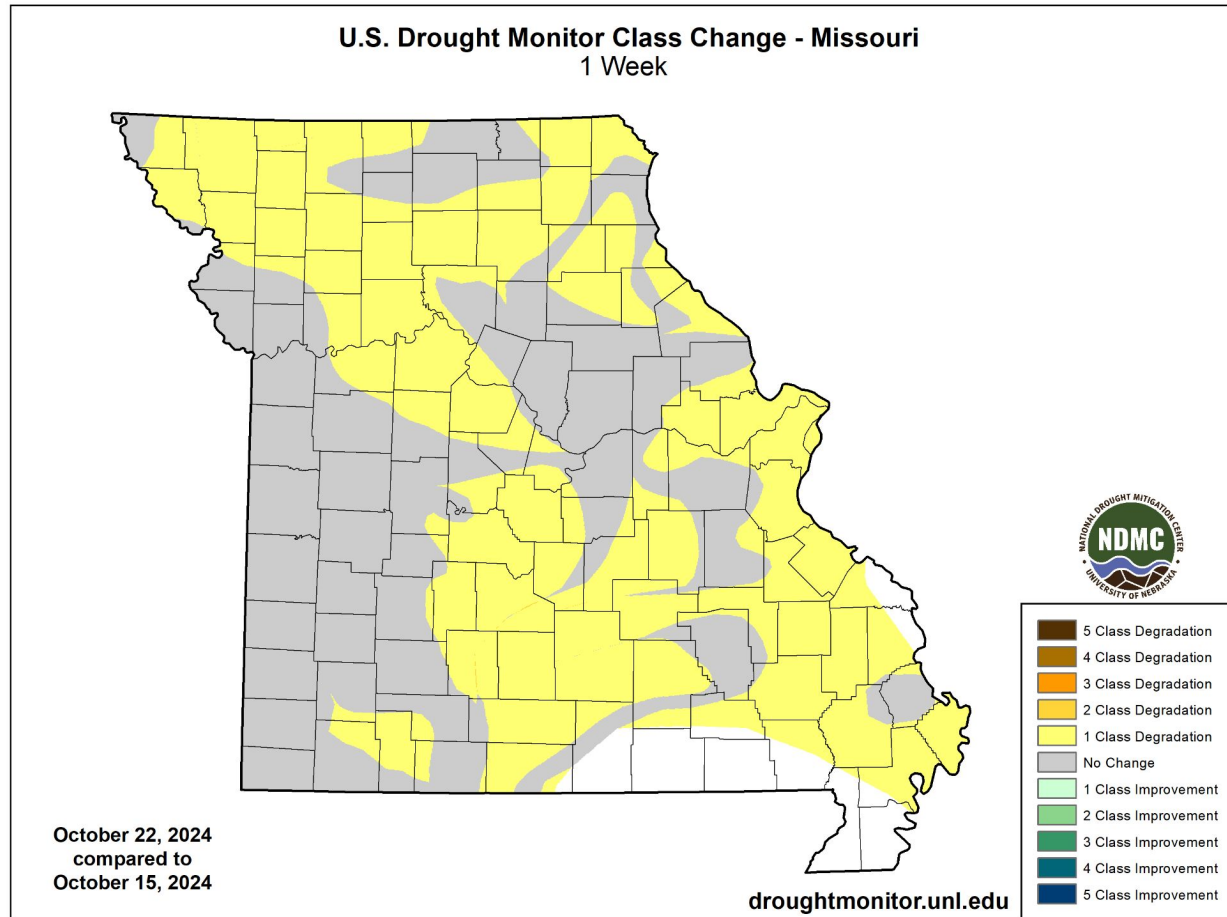
National Weather Service  
Springfield, MO



# Recent Change in Drought Intensity

October 24, 2024  
1:17 PM

Link to [Recent Change Maps](#)



## Main Takeaways

- Continued expansion of drought conditions across the area

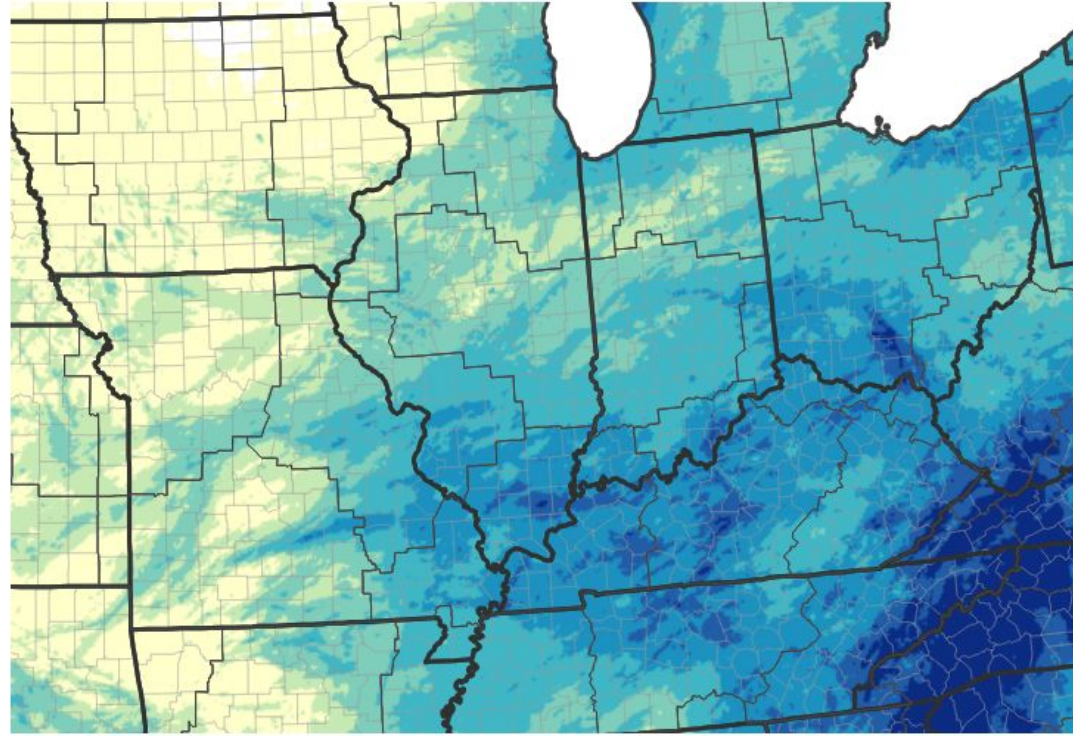




# Precipitation

October 24, 2024  
1:17 PM

30-Day Precipitation Accumulations (Inches)

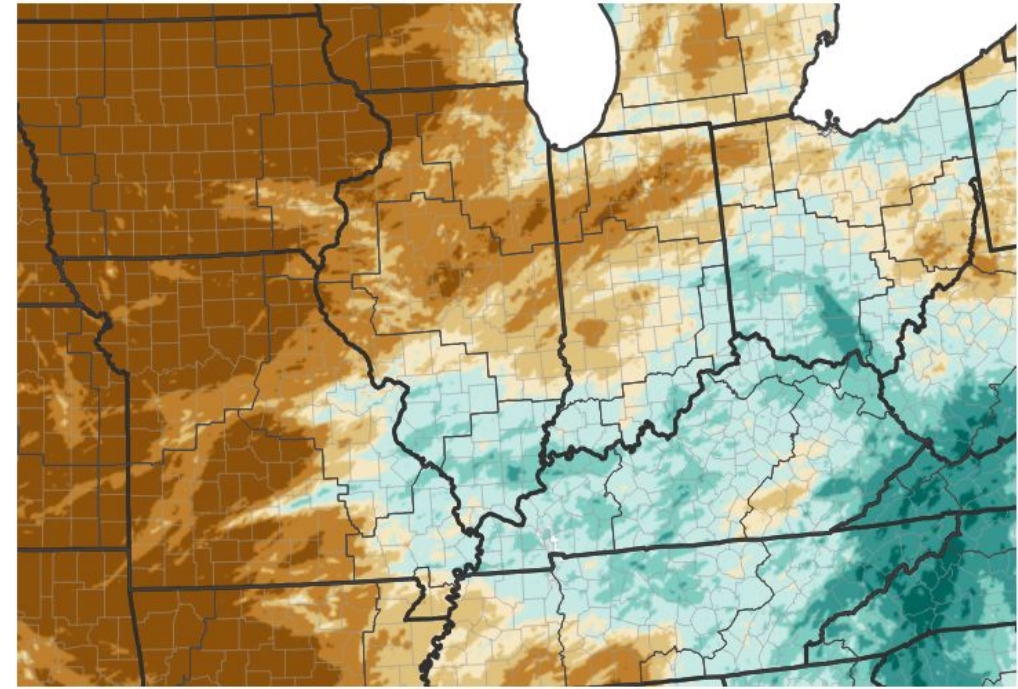


Inches of Precipitation

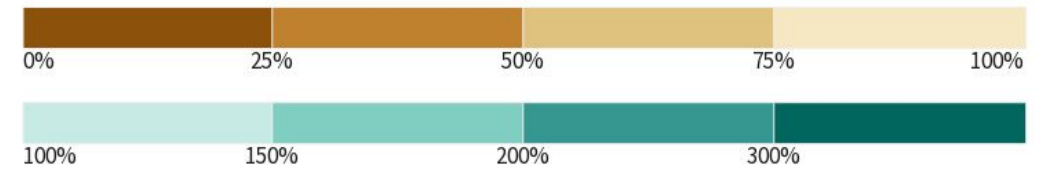


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 10/24/24

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: 10/24/24

## Main Takeaways

- Nearly all areas saw less than average rain...with some receiving less than 25% of average over the past month.

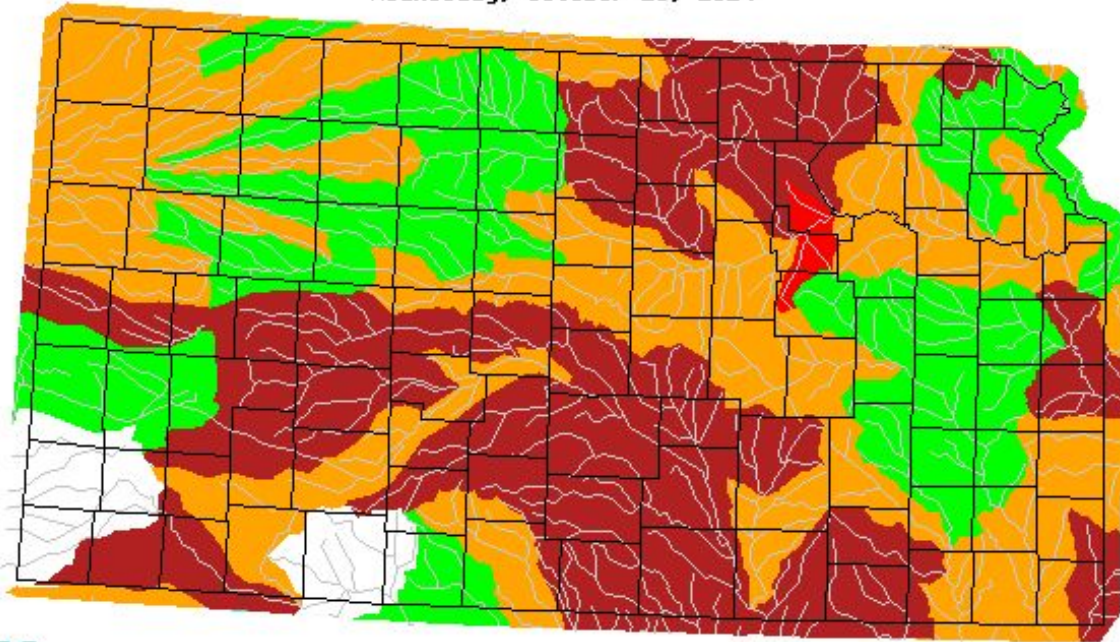




# Hydrologic Conditions and Impacts

October 24, 2024  
1:17 PM

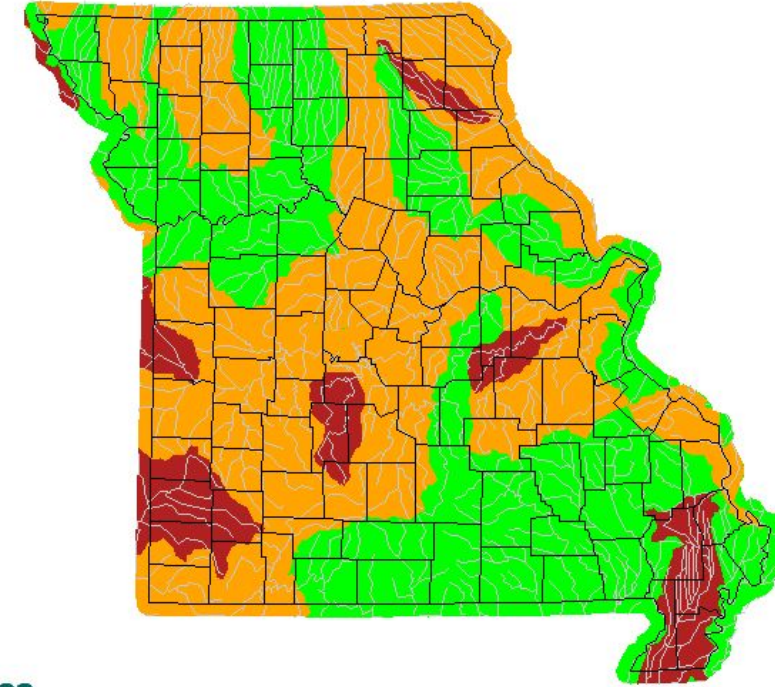
Hednesday, October 23, 2024



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, October 23, 2024



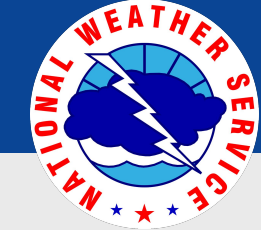
Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

## Main Takeaways

- Streamflows over the past week over Southeast Kansas into western Missouri are <10% to 24% of normal.
- Sufficient rain and spring-fed streams over much of Missouri remained at 25-75% of normal flow.





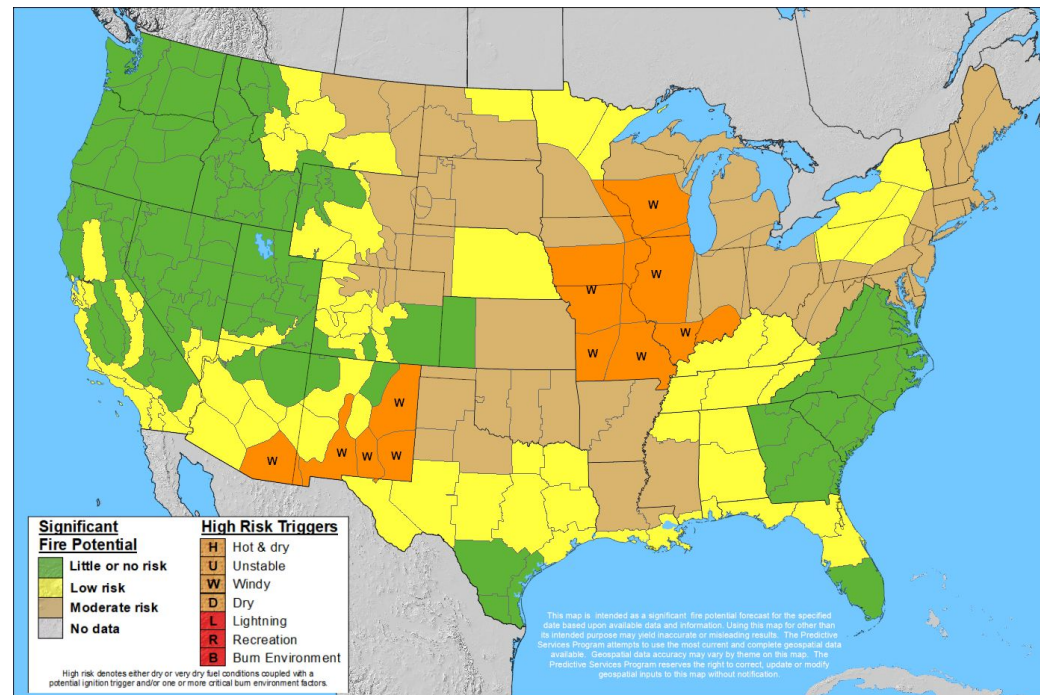
# Fire Hazard Impacts

October 24, 2024  
1:17 PM

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

## Main Takeaways

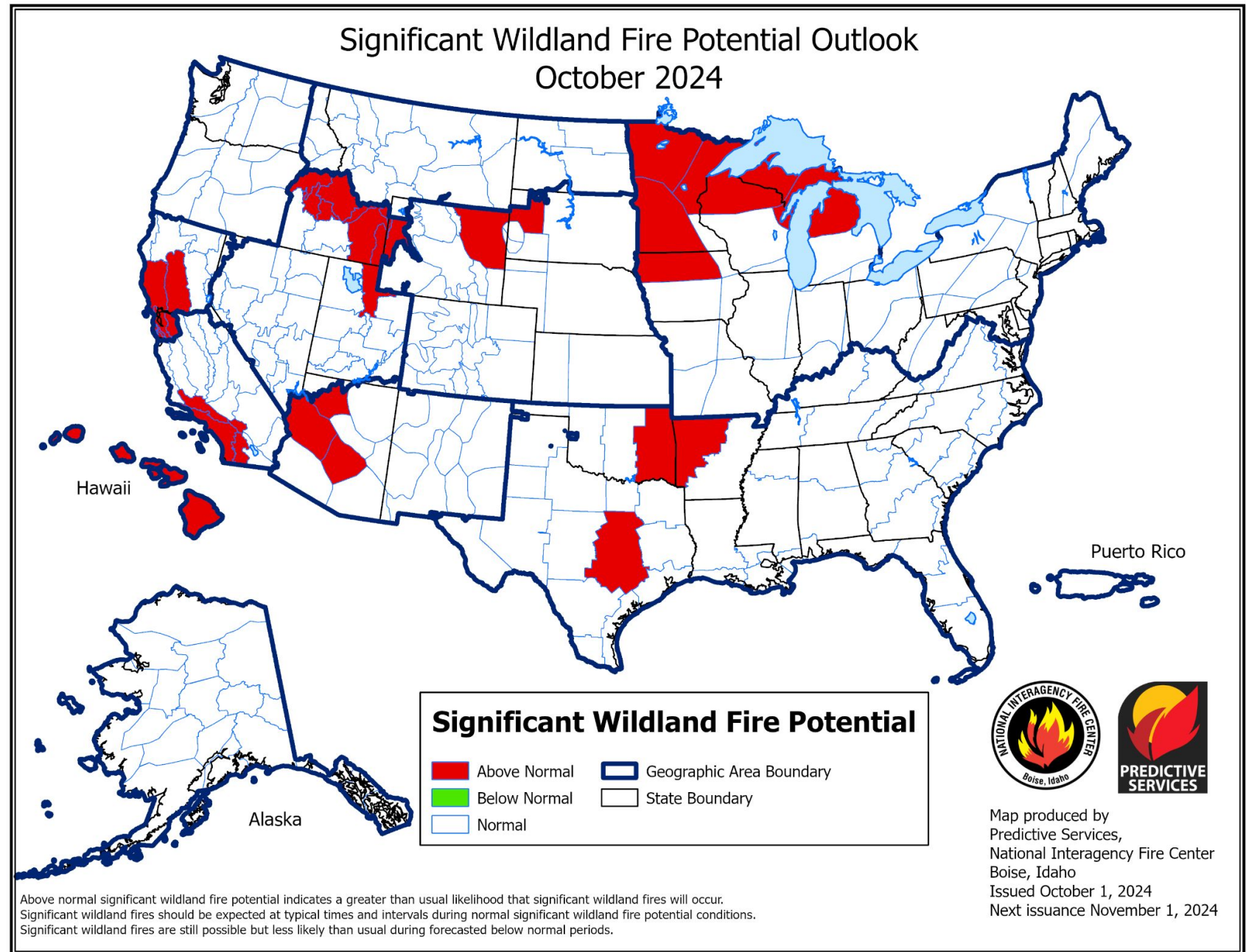
- **CHANGE FROM LAST WEEK:** The NICC removed the Ozarks from above normal Significant Wildland Fire Potential for October. However, drought expansion continues for parts of the Ozarks. An increased risk of wildland fire potential has been forecast through October 28th, 2024.



### SIGNIFICANT FIRE POTENTIAL

Valid For: Tuesday, October 29, 2024

Issued On: Wednesday, October 23, 2024 01:08 PM (MT)



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Springfield, MO



# Summary of Impacts

October 24, 2024

1:17 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 and across areas along and west of 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 some estimates show extreme degree of loss to near crop failure.
- Pastures are providing very little to no 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 and fire starts.
- Some area counties and municipalities have implemented burn bans due to dry conditions.

## Mitigation actions

- The Missouri Department of Agriculture has an AgriStress Helpline at 833-897-2474.
- The University of Missouri Extension Office has set up a Psychological Service Clinic to aid farmers and ranchers.
- More information is available at [muext.us/PSCFarmRanch](https://muext.us/PSCFarmRanch).



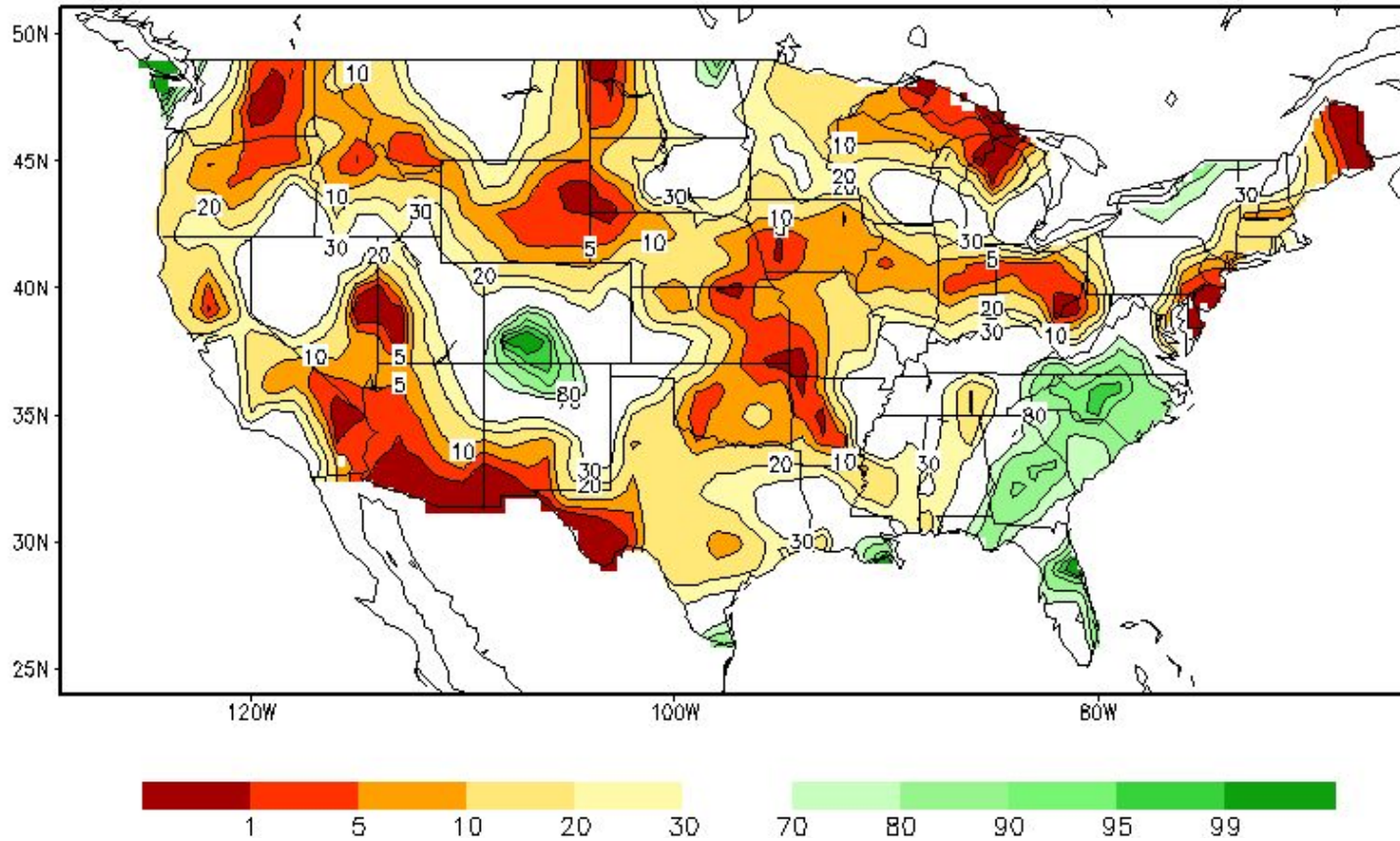




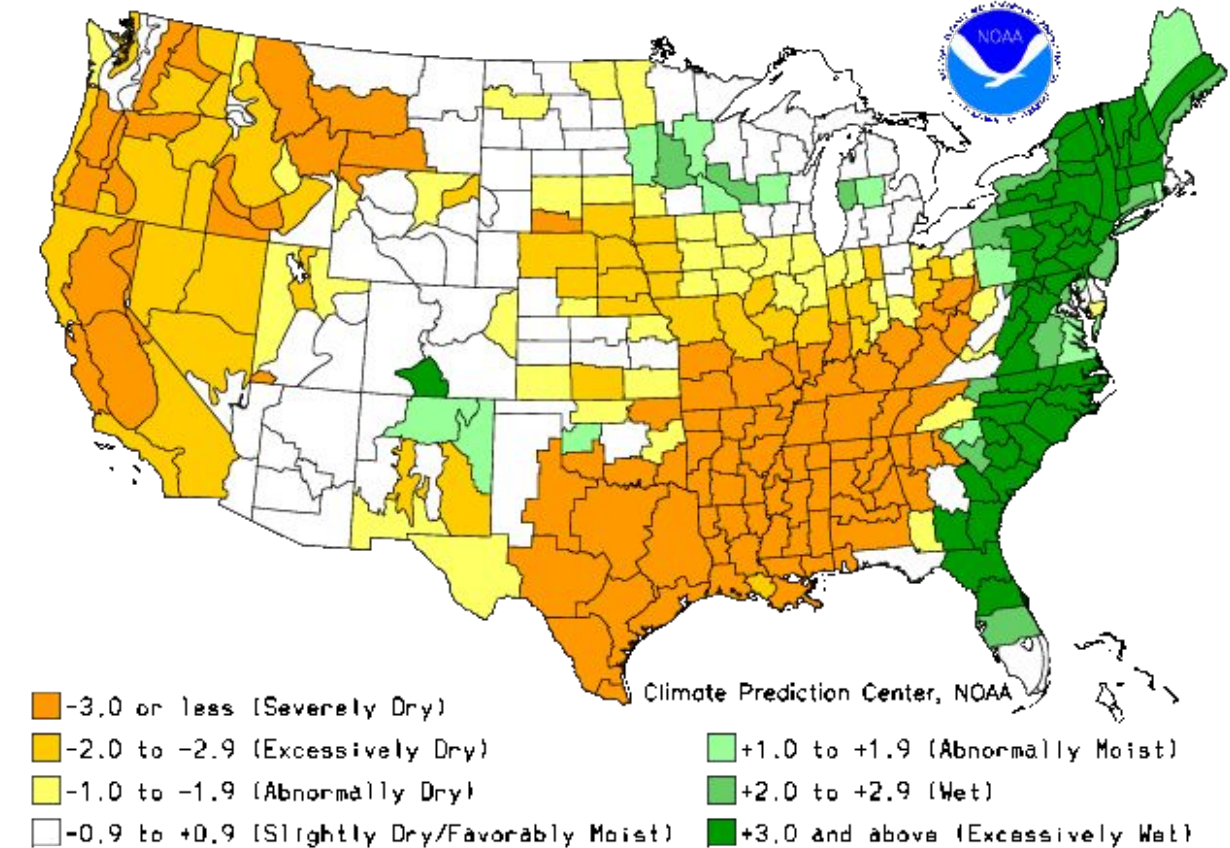
# Agricultural Impacts

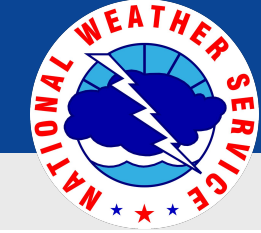
October 24, 2024  
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### Calculated Soil Moisture Ranking Percentile OCT 23, 2024



### Crop Moisture Index by Division Weekly Value for Period Ending OCT 19, 2024 Short Term Need vs. Available Water in a Shallow Soil Profile





# 8 to 14 Day Outlooks

October 24, 2024  
1:17 PM

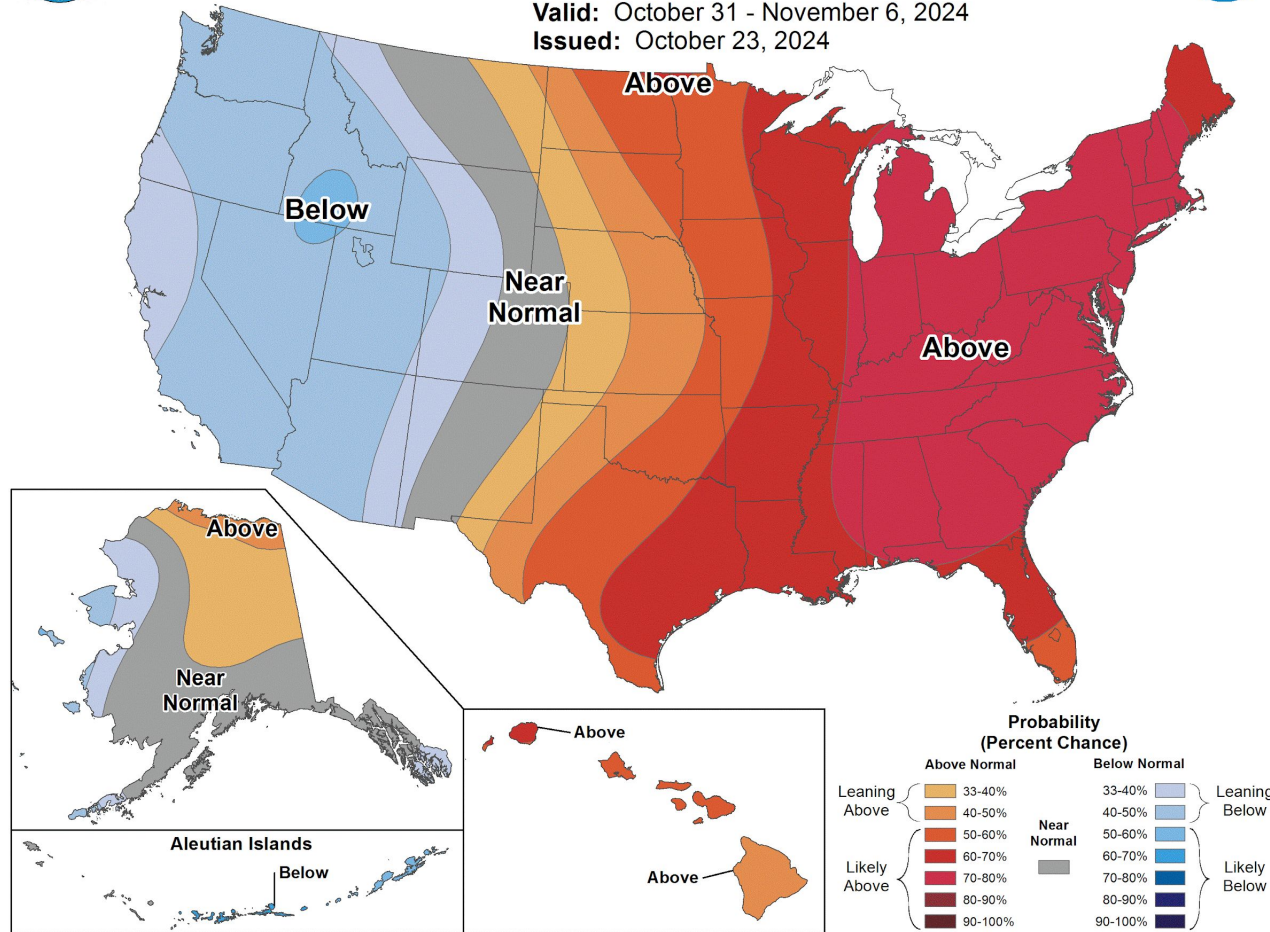
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



## 8-14 Day Temperature Outlook



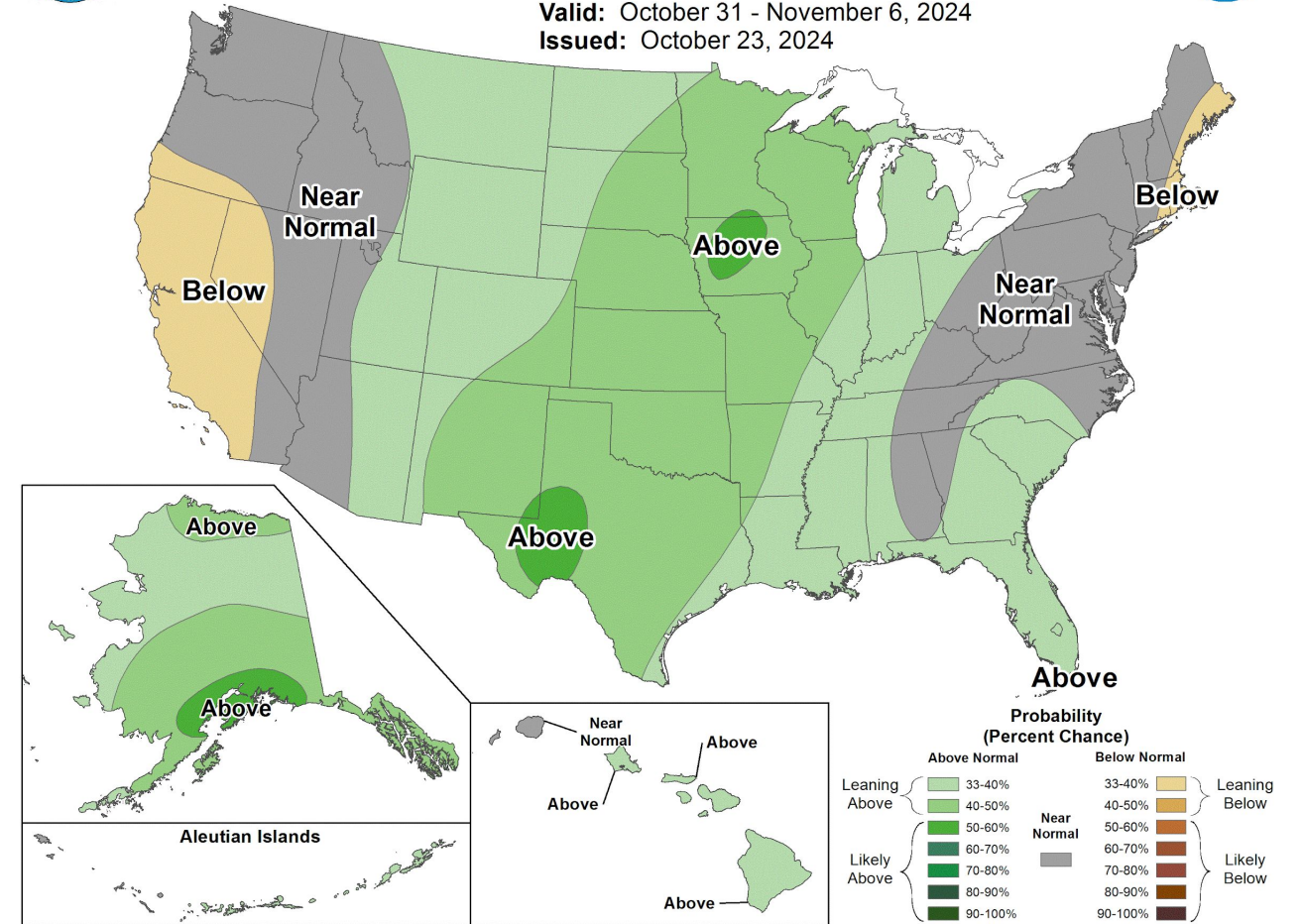
Valid: October 31 - November 6, 2024  
Issued: October 23, 2024



## 8-14 Day Precipitation Outlook



Valid: October 31 - November 6, 2024  
Issued: October 23, 2024



### Main Takeaways

- Above average temperatures look to continue into at least late-October and early-November.
- Precipitation slightly favors an above average outlook





# October Monthly Outlooks

October 24, 2024  
1:17 PM

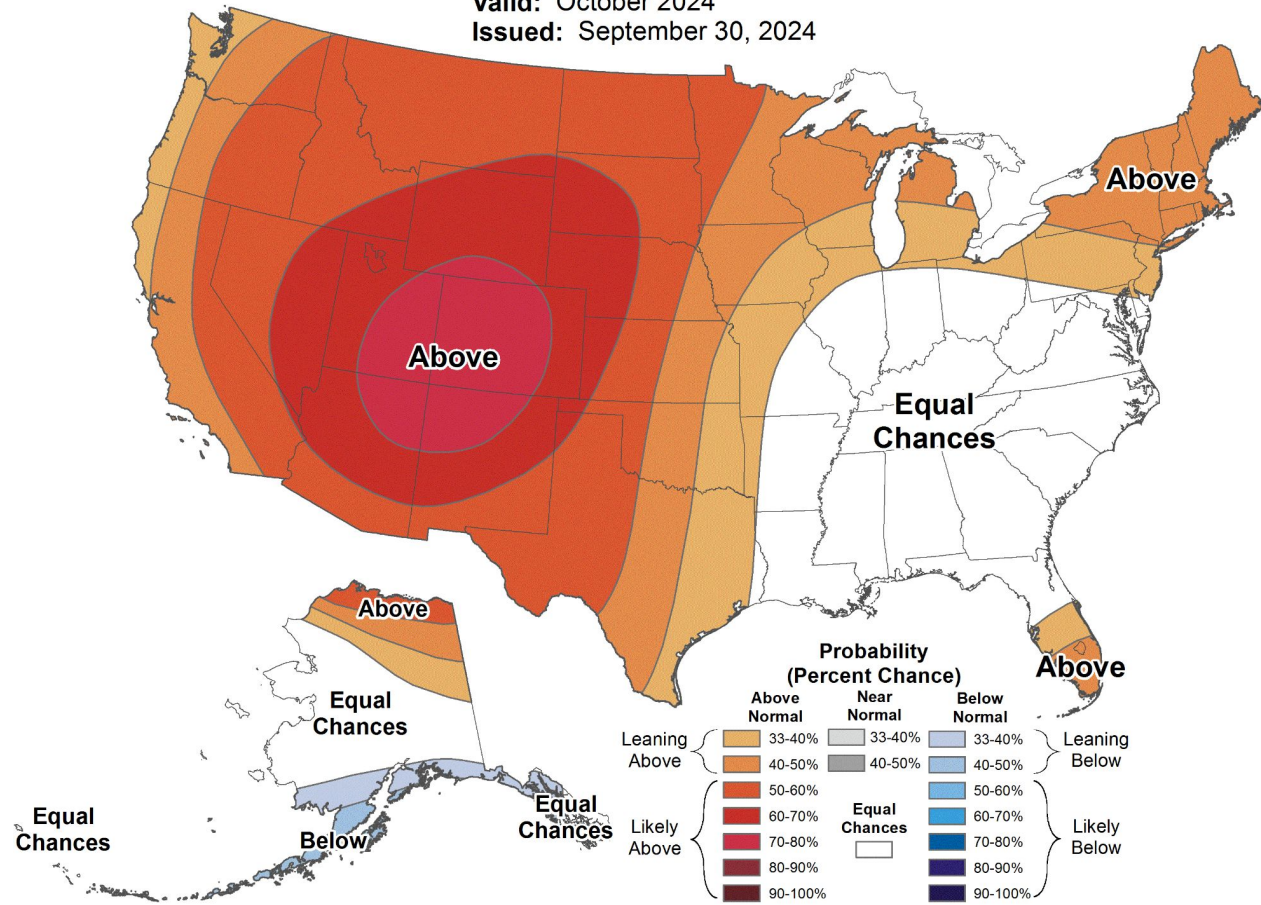
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



## Monthly Temperature Outlook



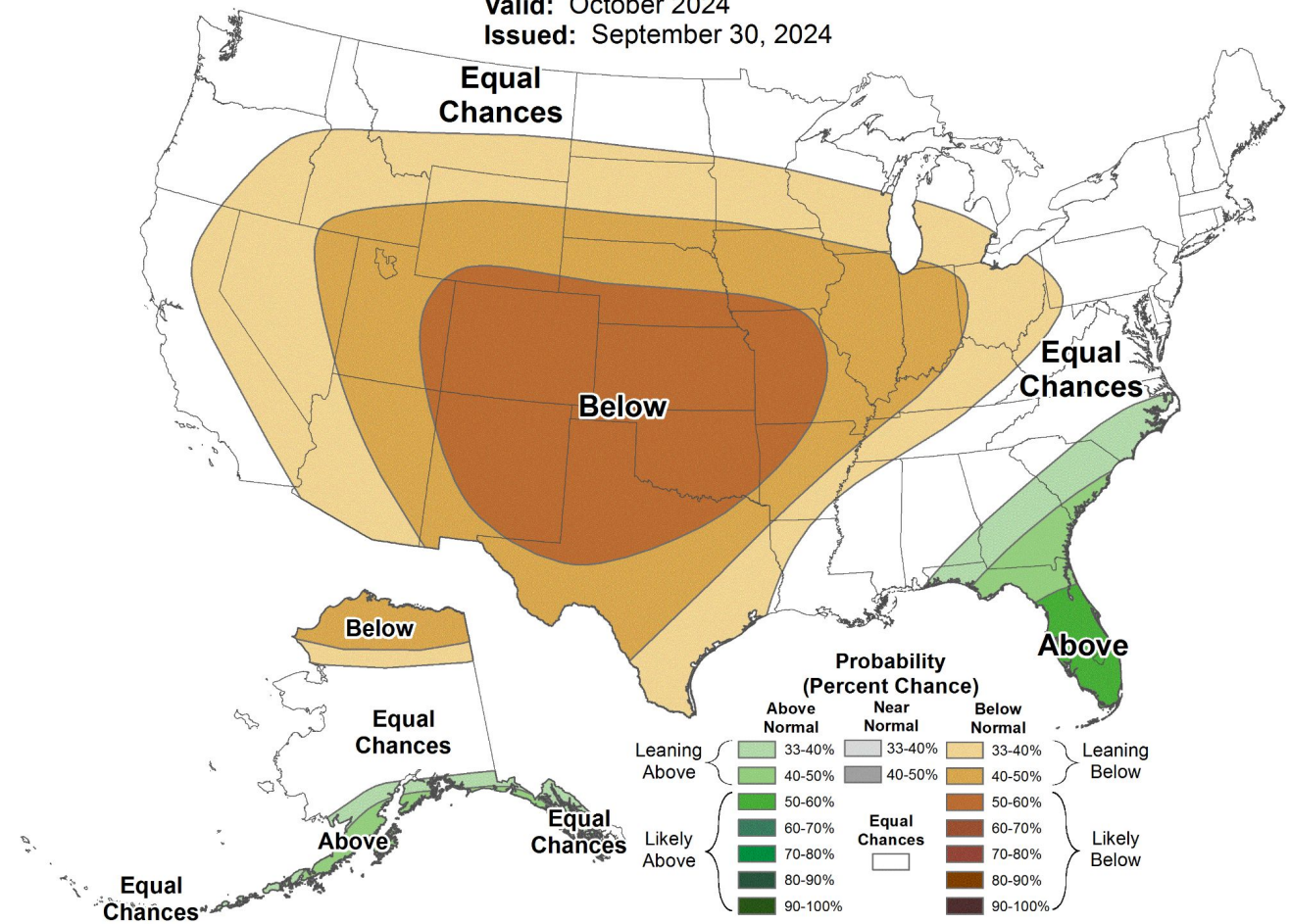
Valid: October 2024  
Issued: September 30, 2024



## Monthly Precipitation Outlook



Valid: October 2024  
Issued: September 30, 2024



### Main Takeaways

- The temperature pattern is leaning toward a 33-40% chance for above normal temperatures for October.
- The precipitation outlook favors a continued below normal amount of rainfall in October, with increased chances from last outlook.





# Seasonal Outlooks

October 24, 2024  
1:17 PM

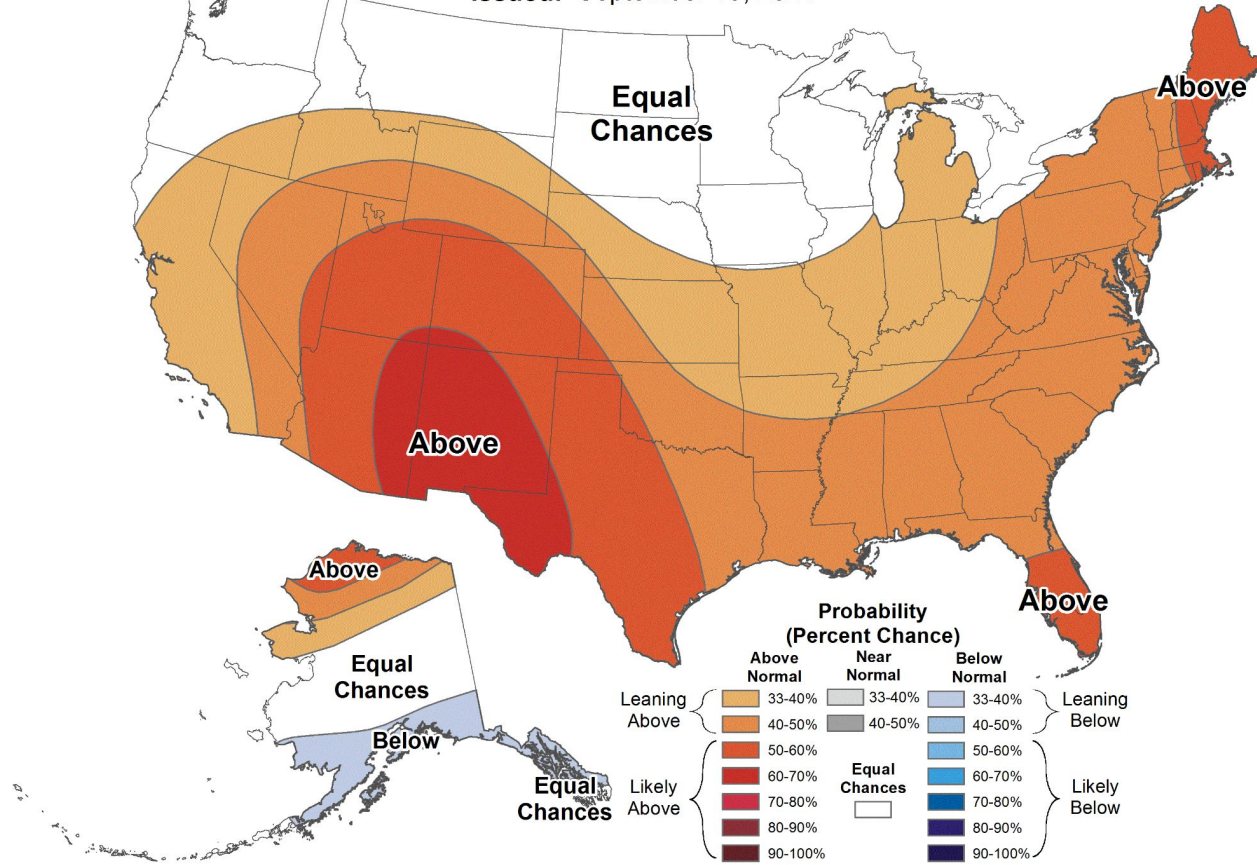
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)



## Seasonal Temperature Outlook



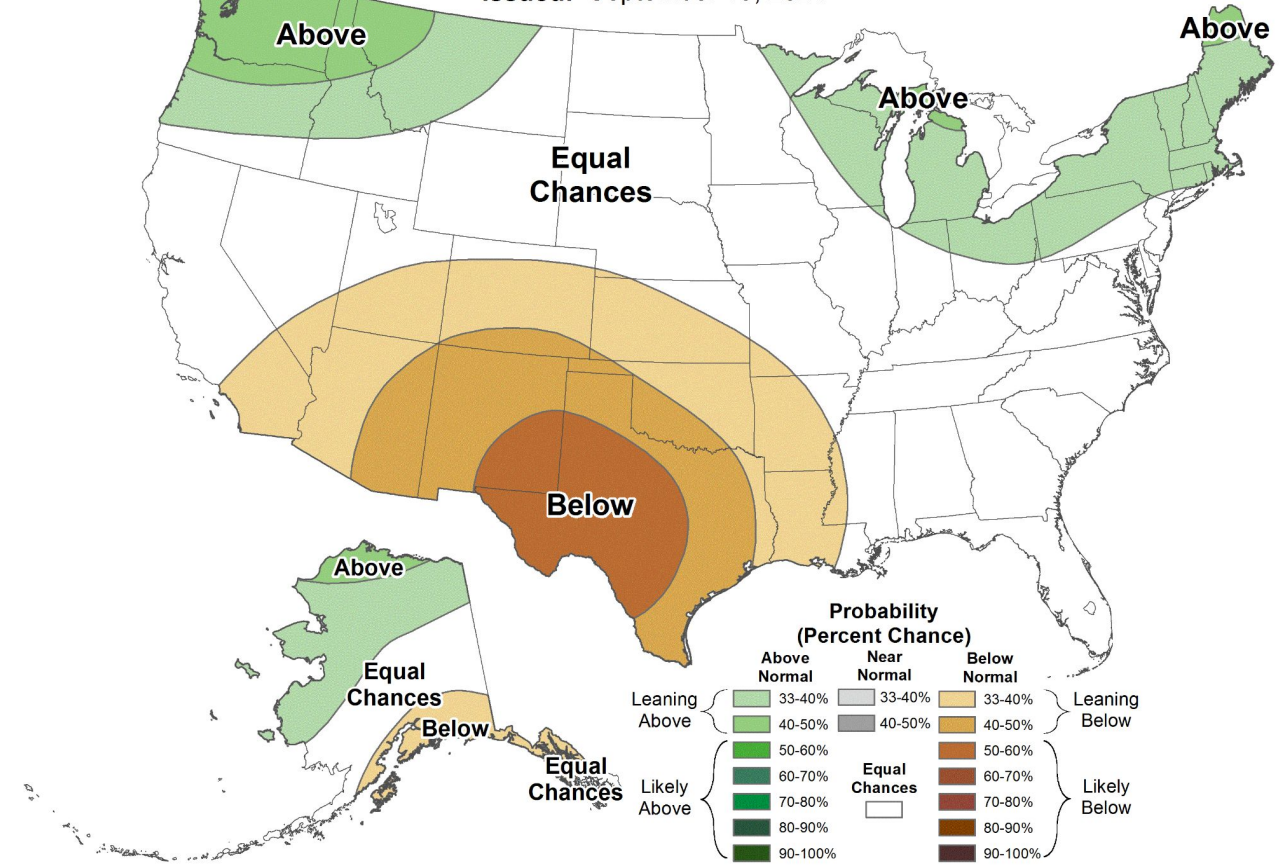
Valid: Oct-Nov-Dec 2024  
Issued: September 19, 2024



## Seasonal Precipitation Outlook



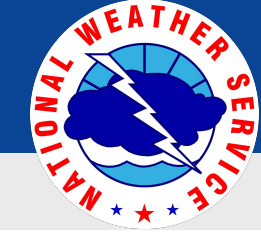
Valid: Oct-Nov-Dec 2024  
Issued: September 19, 2024



### Main Takeaways

- Outlooks very slightly favor above average temperatures and near to below average precipitation





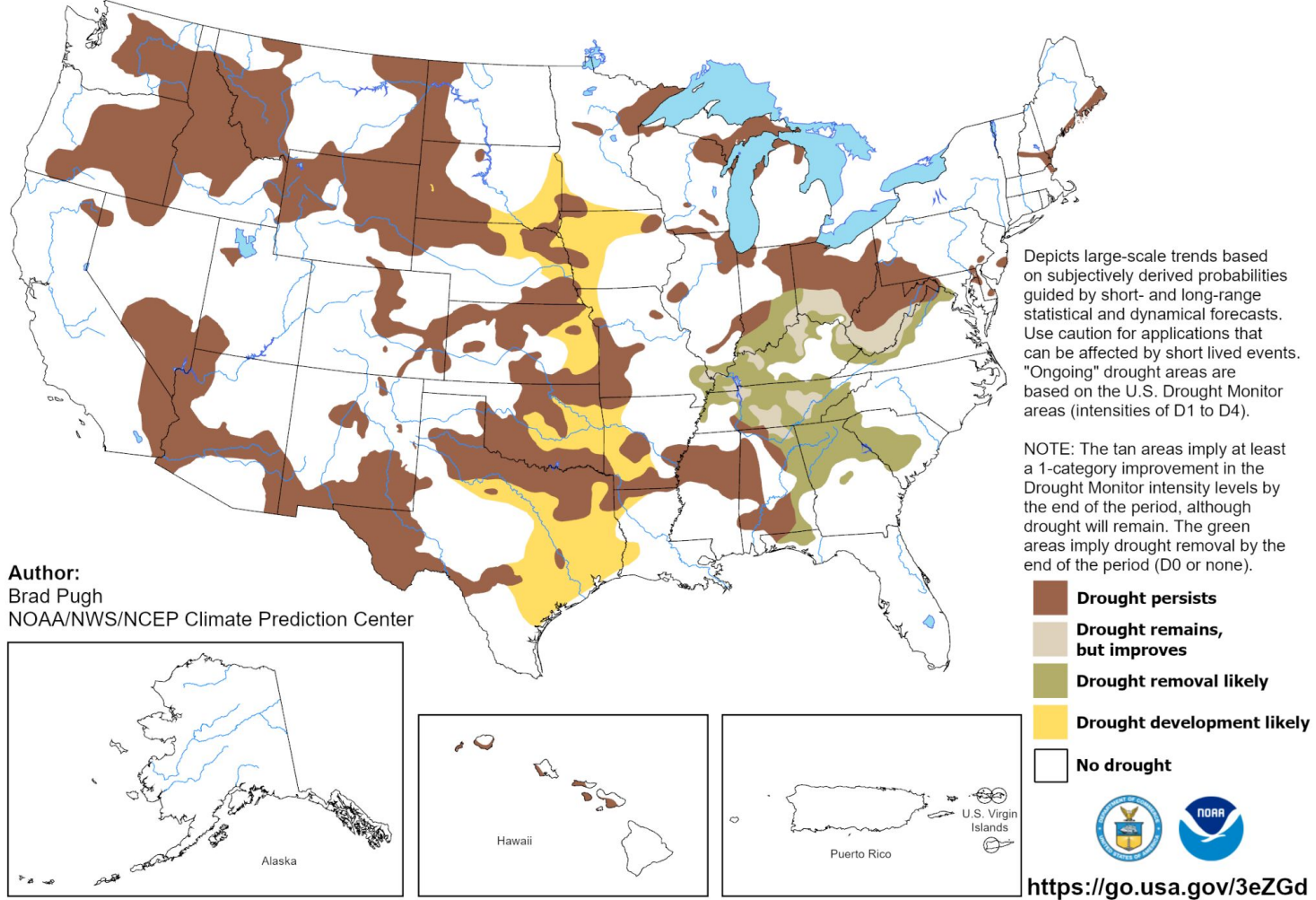
# Drought Outlook

October 24, 2024  
1:17 PM

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

## U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for October 2024  
Released September 30, 2024



## Main Takeaways

- Drought continues to slowly expand across the area
- Locations that did not receive rainfall in the past 30-90 days have seen quick and significant expansion of drought conditions.



## 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

