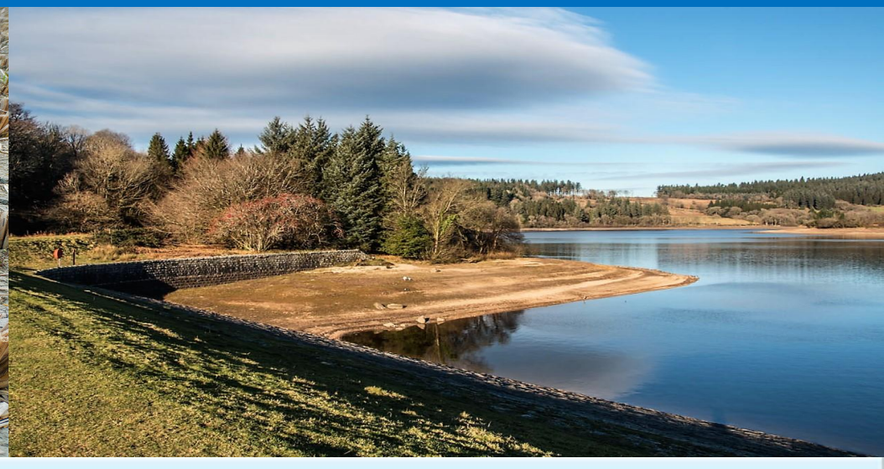
Drought Information Statement for the Missouri Ozarks

Valid March 5, 2024

Issued By: *WFO Springfield, MO*

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

- This product will be updated April 4, 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.



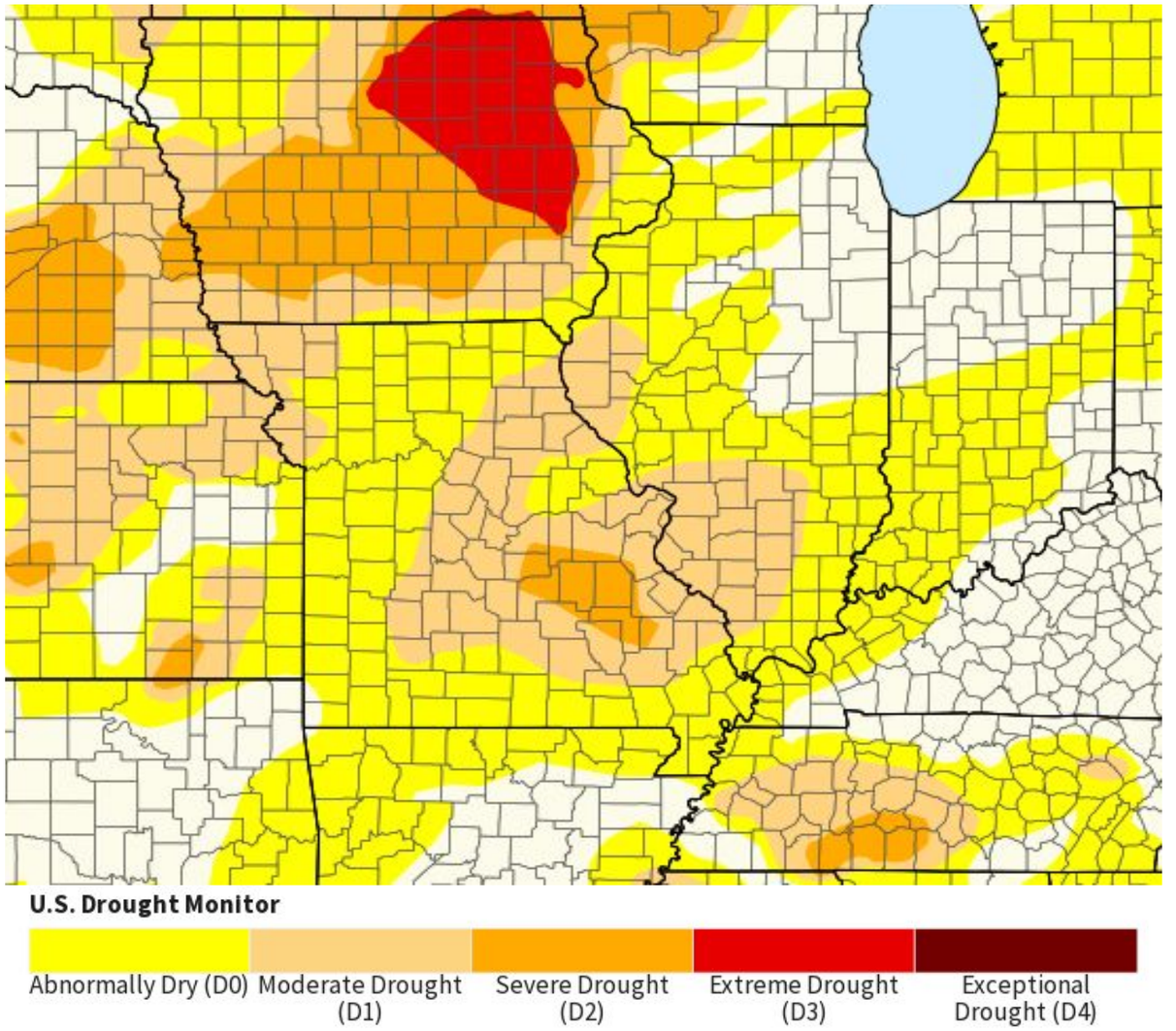
U.S. Drought Monitor

February 1, 2024
10:01 AM

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

- **Drought remained the same or degraded one category across the Ozarks region, with conditions remaining in Abnormally Dry (D0) and Moderate (D1) drought**

- **Drought Intensity and Extent**
  - D2 (Severe Drought): Portions of Dent, Phelps, and Maries counties
  - D1 (Moderate Drought): All of Morgan, Miller, Camden, Pulaski, Laclede, Dallas, Hickory, and Polk counties in Missouri; portions of Benton, Greene, Webster, Wright, Texas, Shannon, Maries, Dent, and Phelps counties in Missouri
  - D0: (Abnormally Dry): All counties in southwest Missouri and far southeast Kansas not mentioned above



State Drought Monitor

February 1, 2024
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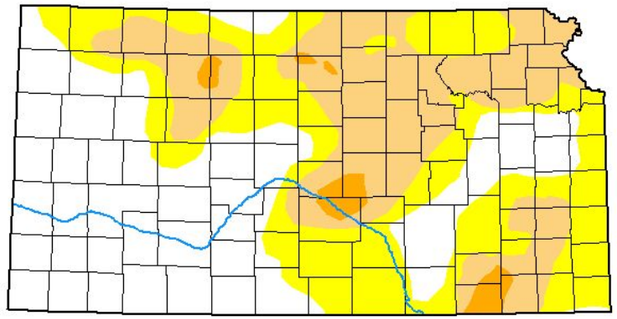
Link to Recent Change Maps

U.S. Drought Monitor
Kansas



March 5, 2024
(Released Thursday, Mar. 7, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	41.11	58.89	28.68	2.32	0.00	0.00
Last Week 02-27-2024	47.54	52.46	28.21	2.32	0.00	0.00
3 Months Ago 12-05-2023	10.59	89.41	64.12	30.48	6.99	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 03-07-2023	14.97	85.03	74.92	65.18	52.37	34.94

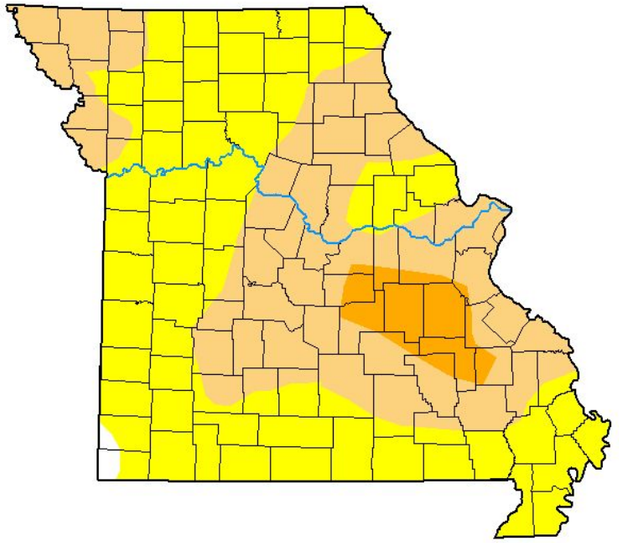
Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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

U.S. Drought Monitor
Missouri



March 5, 2024
(Released Thursday, Mar. 7, 2024)
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.51	99.49	45.63	5.53	0.00	0.00
Last Week 02-27-2024	14.44	85.56	33.76	0.00	0.00	0.00
3 Months Ago 12-05-2023	8.12	91.88	68.26	24.68	0.97	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 03-07-2023	96.92	3.08	0.22	0.00	0.00	0.00

Intensity:
- None
- D0 Abnormally Dry
- D1 Moderate Drought
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Main Takeaways

- Bourbon, Crawford, and Cherokee counties in far SE Kansas abnormally dry
- All of southwest and south-central Missouri abnormally dry or in drought besides a small portion of Newton and McDonald
- Parts of Central Missouri into southern Missouri in moderate to severe drought

Recent Change in Drought Intensity

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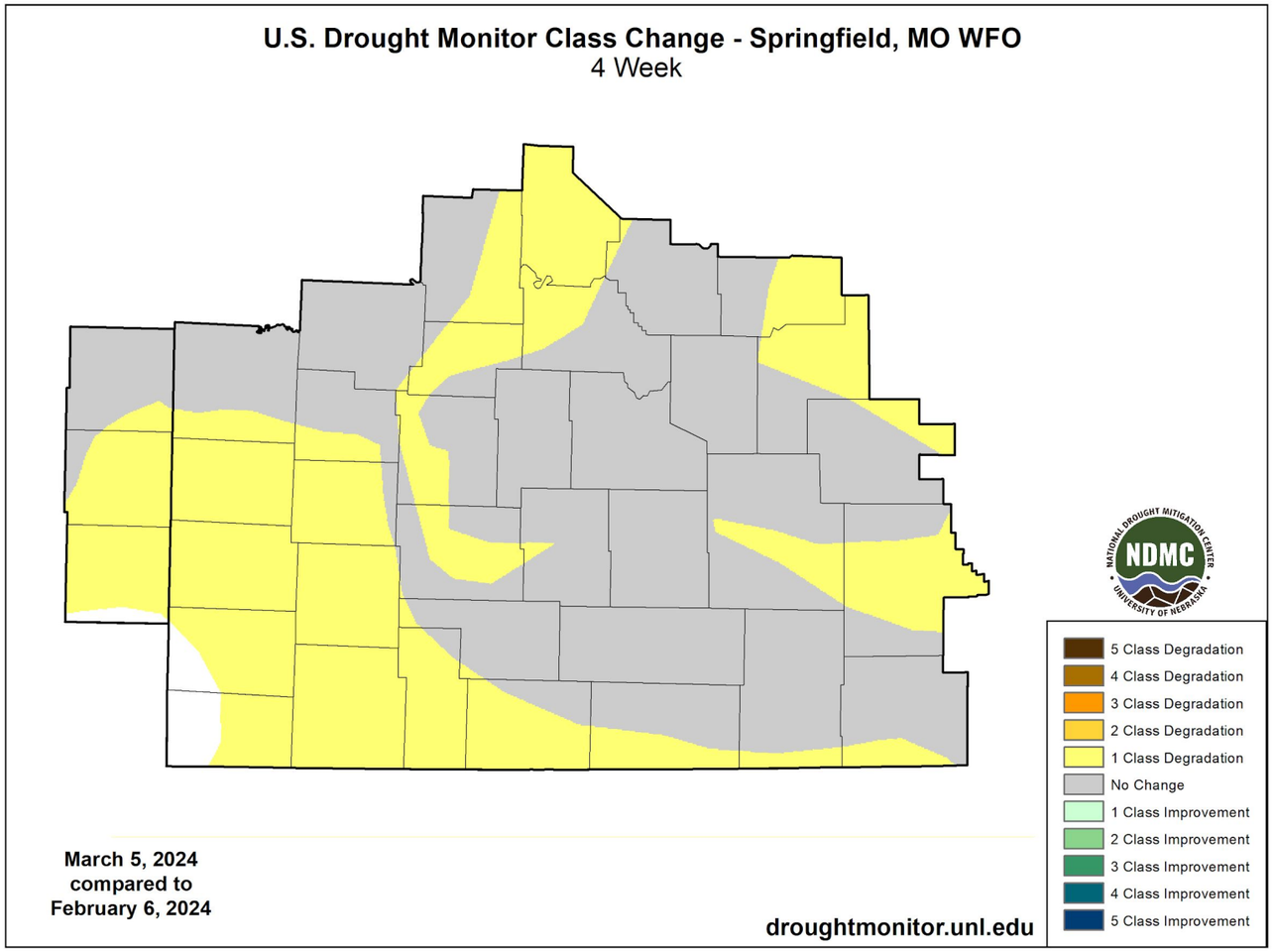
Link to Recent Change Maps



Main Takeaways

- Most of southwest Missouri and far southeast Kansas either saw no change in drought conditions or a degradation of one category
- Parts of Bourbon and Crawford counties in Kansas saw no change in conditions

Precipitation

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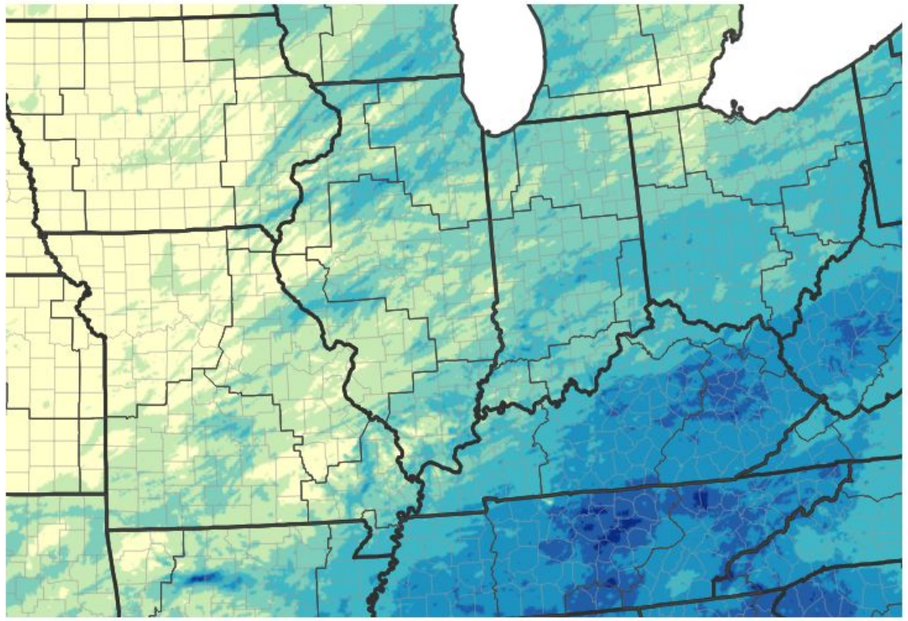
30-Day Precipitation Accumulations (Inches)



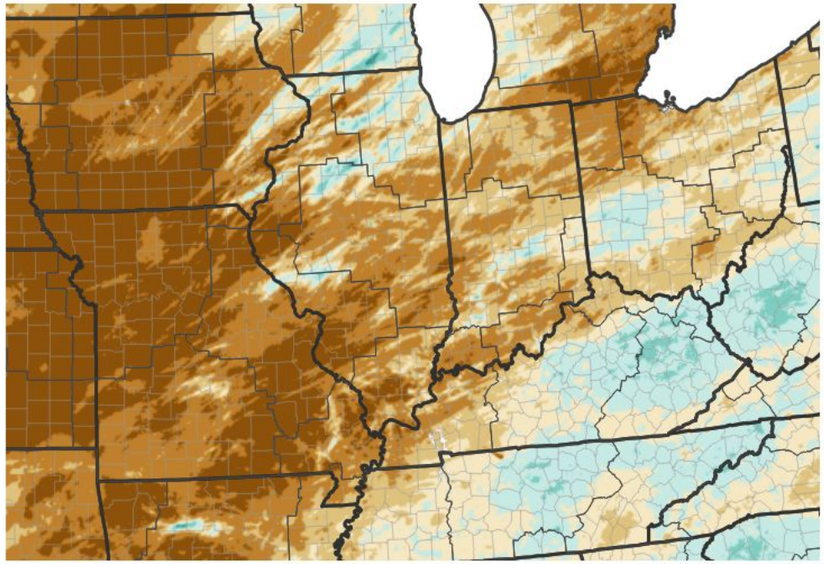
Inches of Precipitation

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: 03/07/24

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: 03/07/24

Main Takeaways

- All of the CWA saw below normal precipitation accumulations in the last 30 days, with some areas seeing 0% of the average
- All of the CWA saw some amount of precipitation in the last month, with central and south-central Missouri seeing 1-2 inches in local pockets

Hydrologic Conditions and Impacts

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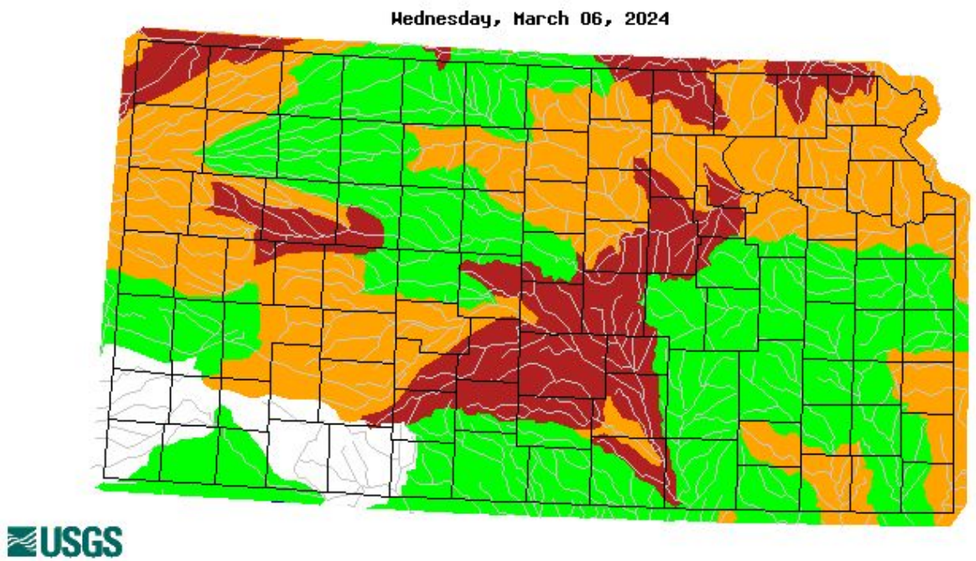

Image Caption: : [USGS 7 day average streamflow HUC map - Kansas](#).

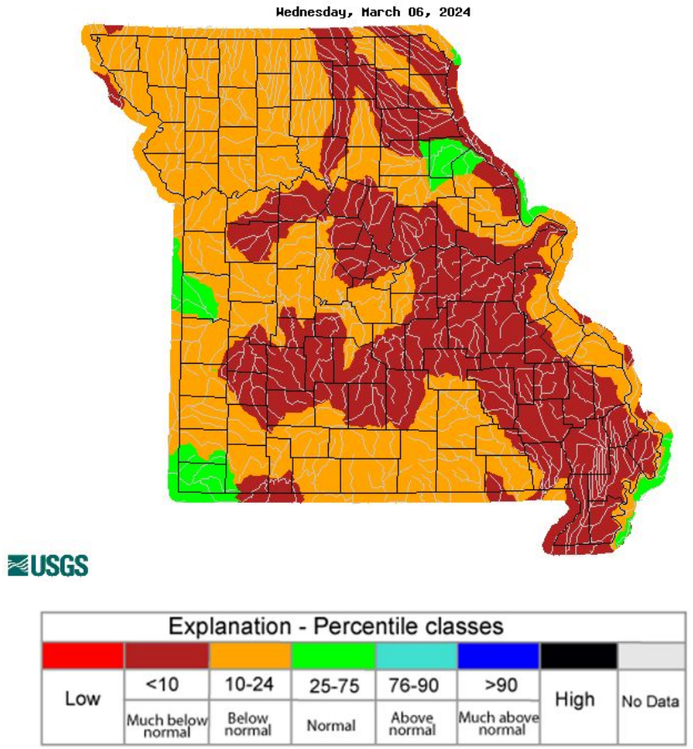

Image Caption: : [USGS 7 day average streamflow HUC map - Missouri](#).

Main Takeaways

- Most of the area saw below normal or much below normal streamflow conditions over the last 7 days

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 below normal to much below normal along the Little Osage River in SE Kansas and west central Missouri.

Agricultural Impacts

- There are no known impacts at this time.

Fire Hazard Impacts

- There are no known impacts at this time.

Other Impacts

- There are no 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 set up a Psychological Service Clinic to aid farmers and ranchers.
- More information is available at muext.us/PSCFarmRanch.

Agricultural Impacts

February 1, 2024
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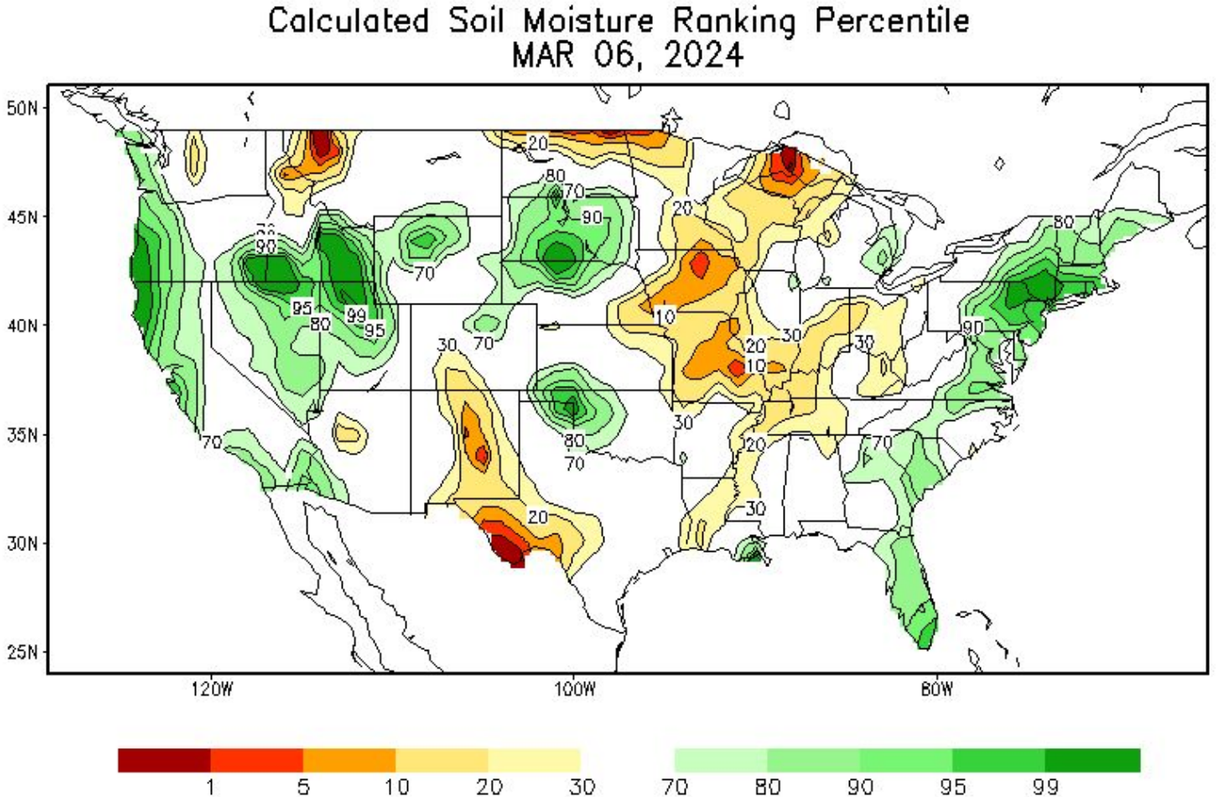

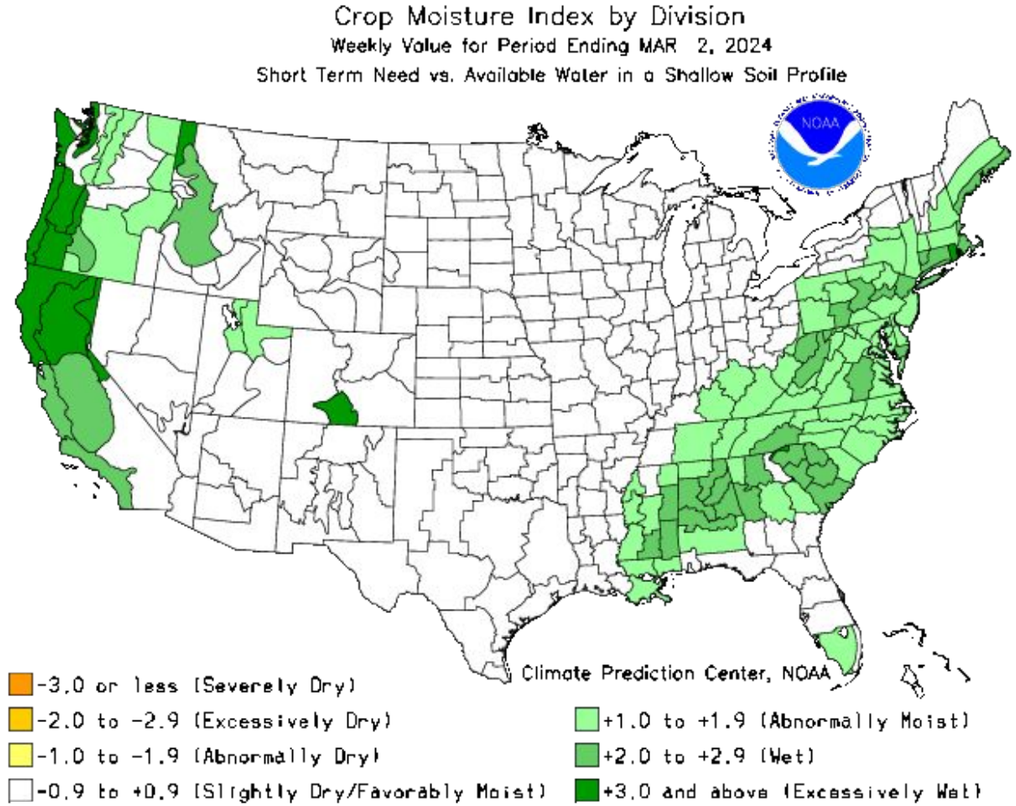

Main Takeaways

- March 6 soil moisture was dry across much of the area, with the entire CWA seeing below 30th percentile values.
- Weekly Crop Moisture Index for the week ending March 2 was near normal.

8 to 14 Day Outlooks

February 1, 2024
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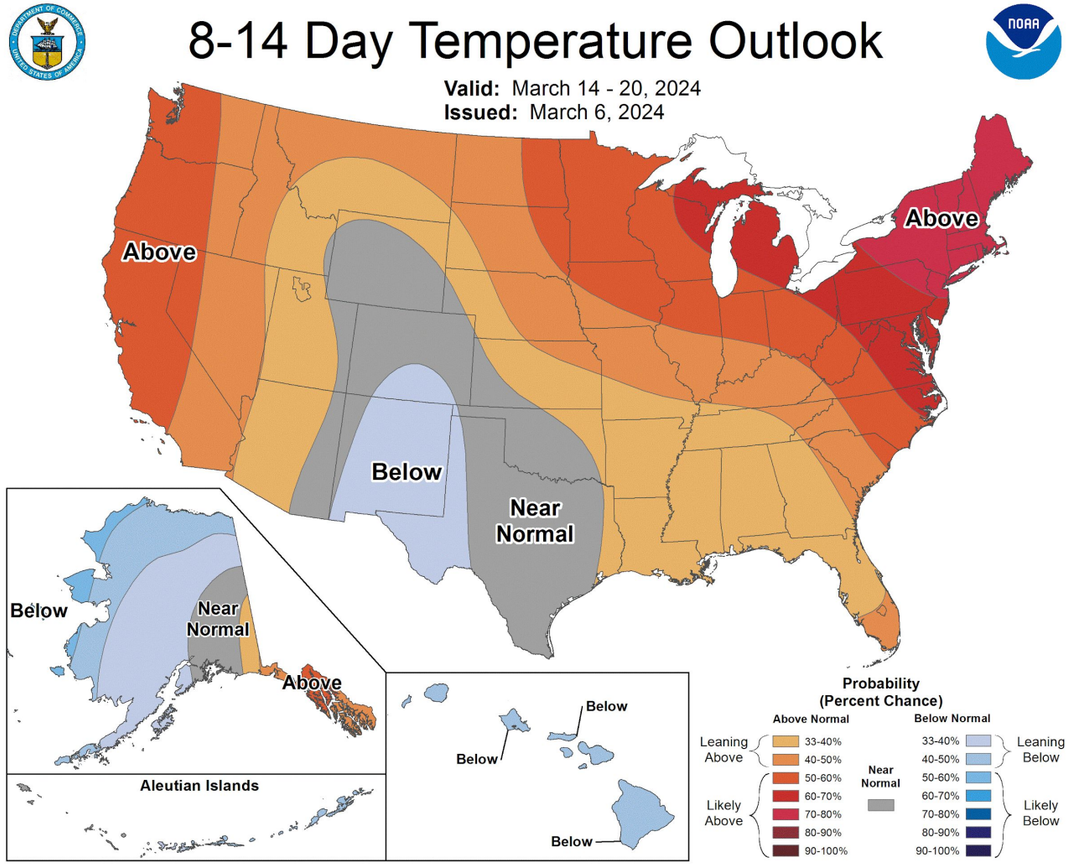
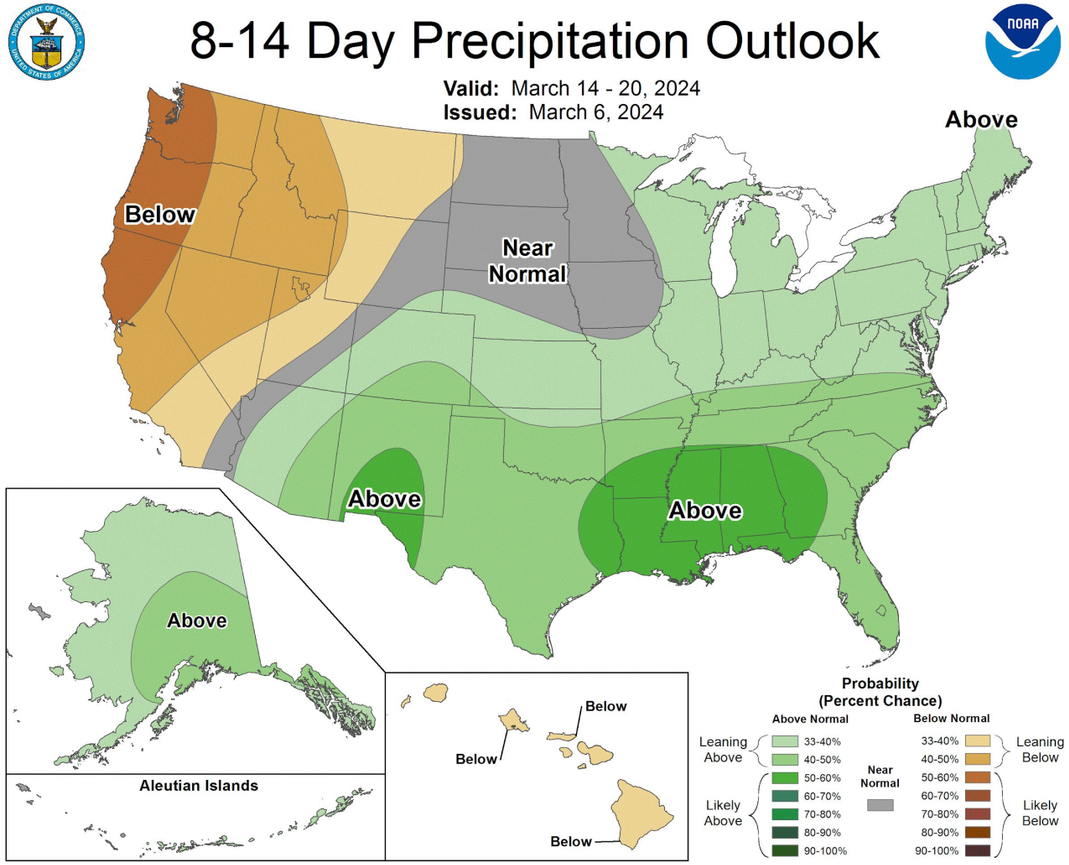
The latest monthly and seasonal outlooks can be found on the CPC homepage





Main Takeaways

- Above normal temperatures and above normal precipitation is favored through mid-March

Monthly Outlooks

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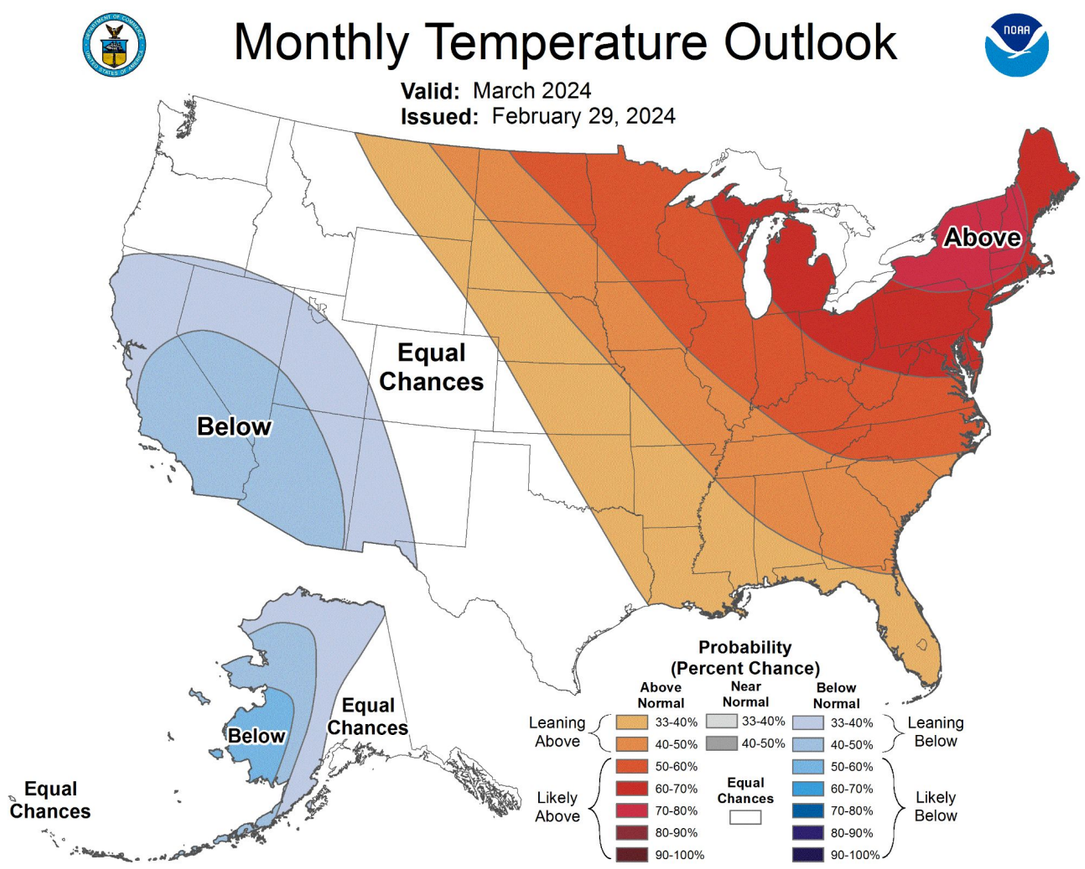
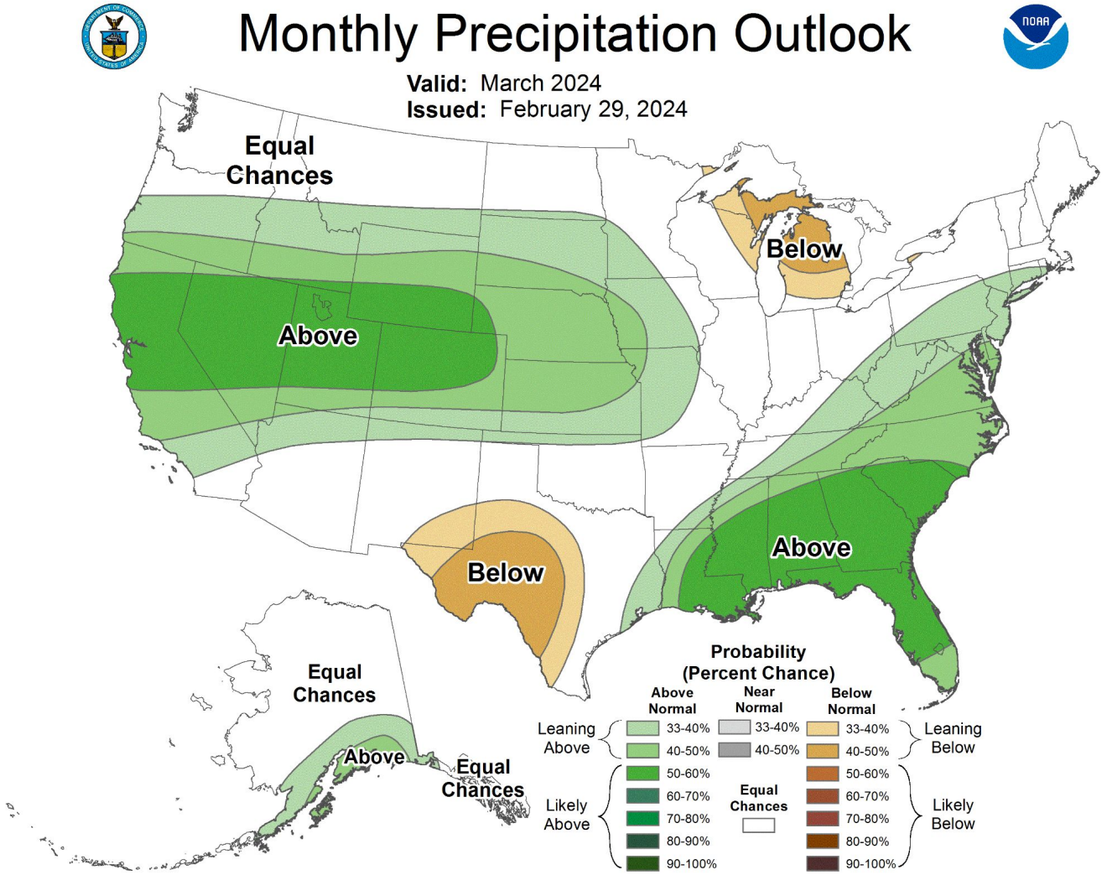




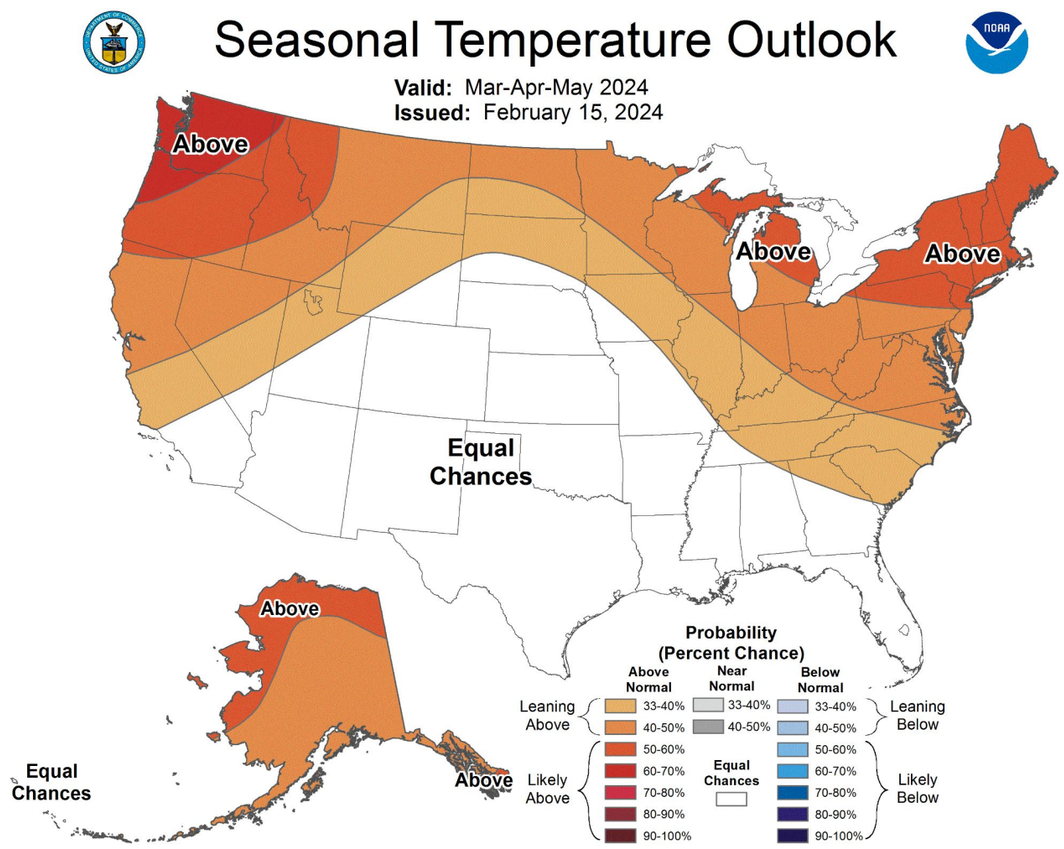
Main Takeaways

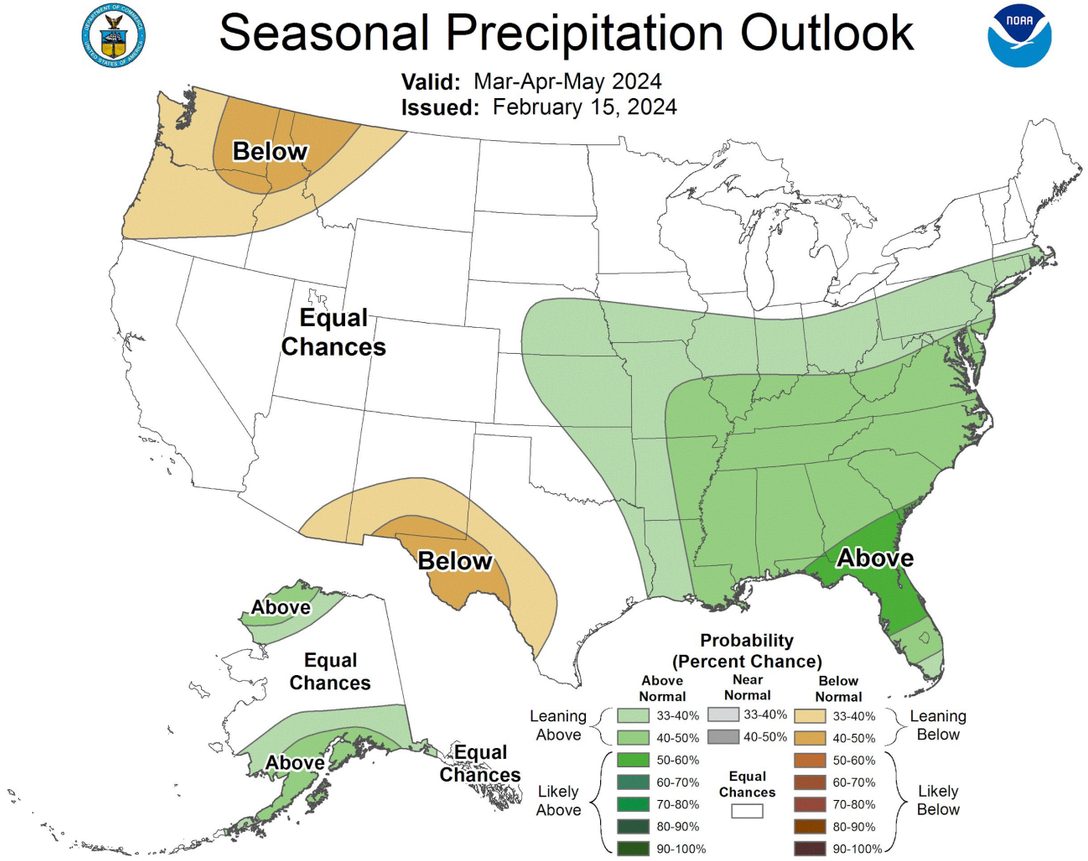
- The pattern is leaning towards above normal temperatures for March.
- The pattern is leaning towards above normal or near-normal precipitation for much of the area in March.

Seasonal Outlooks

February 1, 2024
10:01 AM

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





Main Takeaways

- Equal chances for below/above normal temperatures for the next three months.
- Chances lean towards above normal precipitation for the next three months.

Drought Outlook

February 1, 2024
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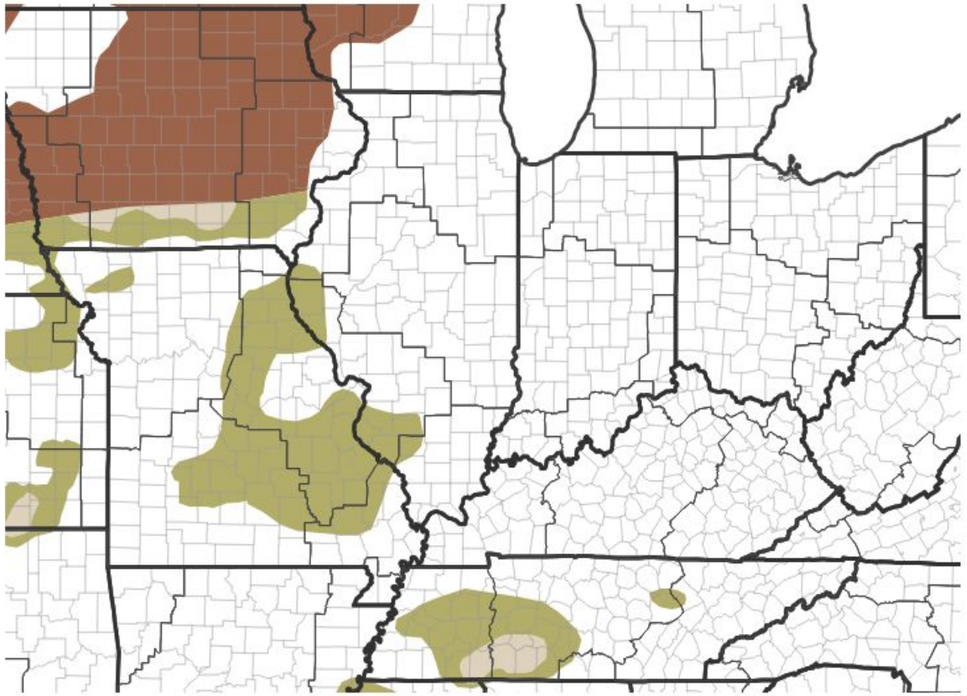
Climate Prediction Center Monthly Drought Outlook | Climate Prediction Center Seasonal Drought Outlook

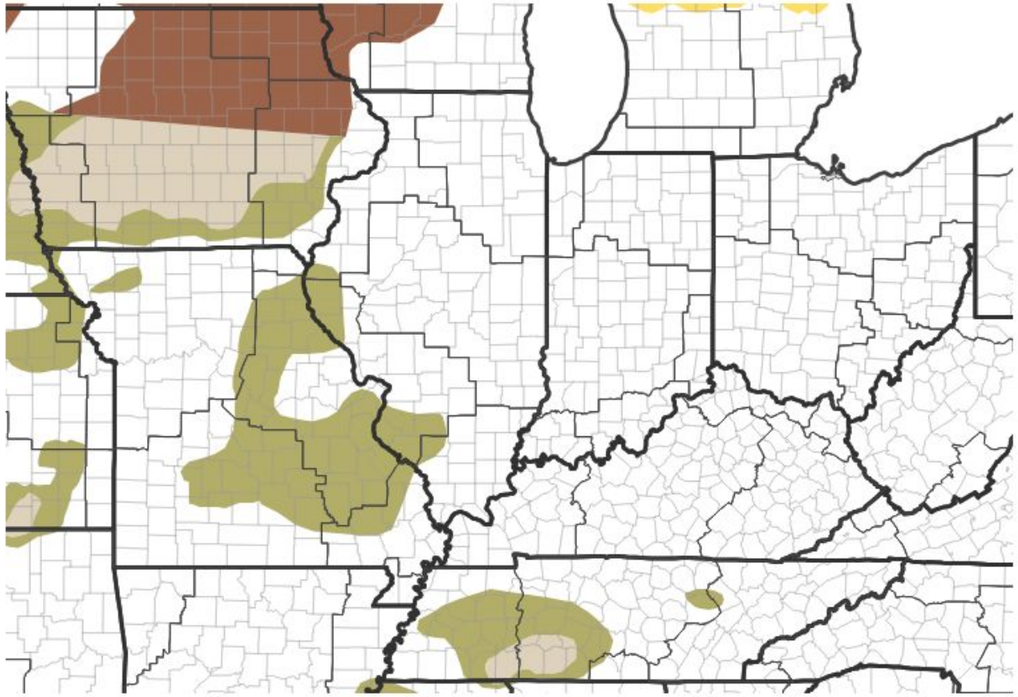
1-Month Drought Outlook



Drought Is Predicted To...

Persist | Improve | End | Develop | N/A

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...

Persist | Improve | End | Develop | N/A

Main Takeaways

- Both the 1-month and seasonal drought outlooks show drought ending for parts of central Missouri.
- March is off to a wet start, which favors drought improvement

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