



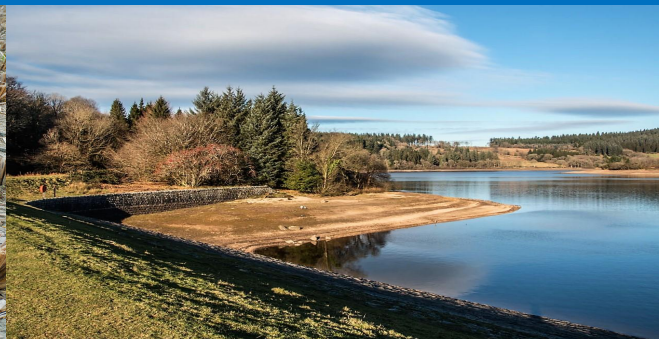
Drought Information Statement for Northeast IA, Southeast MN, & Western, WI

Valid January 18, 2024

Issued By: WFO La Crosse, WI

Contact Information: w-arx.webmaster@noaa.gov

- This product will be updated February 14, 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/ARX/DroughtInformationStatement> for previous statements.



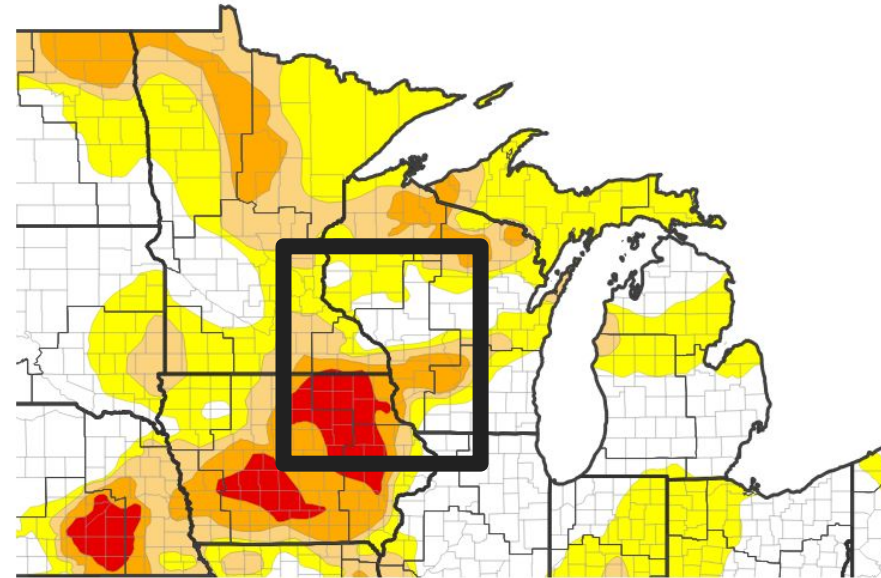


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Northeast IA, southeast MN, & Western IA

- Drought intensity and extent:
 - Northeast Iowa: Severe (D2) to extreme (D3) drought.
 - Southeast Minnesota: Abnormally dry (D0) to extreme (D3) drought.
 - Western Wisconsin: Abnormally dry (D0) to severe (D2) drought. The worst of the drought is mainly along and south of Interstate 90.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 01/16/24



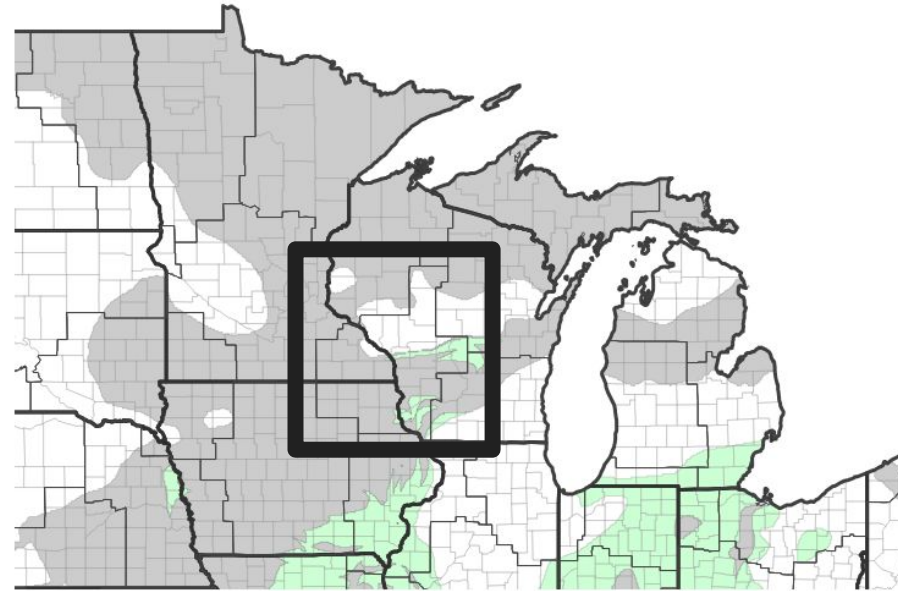


Recent Change in Drought Intensity

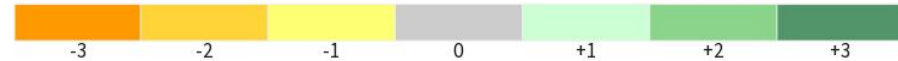
Link to the latest [4-week change map](#) for Northeast IA, southeast MN, & Western IA

- 1-Week Drought Monitor Class Change.
 - During the past week, there has been 1-category improvement in the drought in southwest and central Wisconsin.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 01/16/24

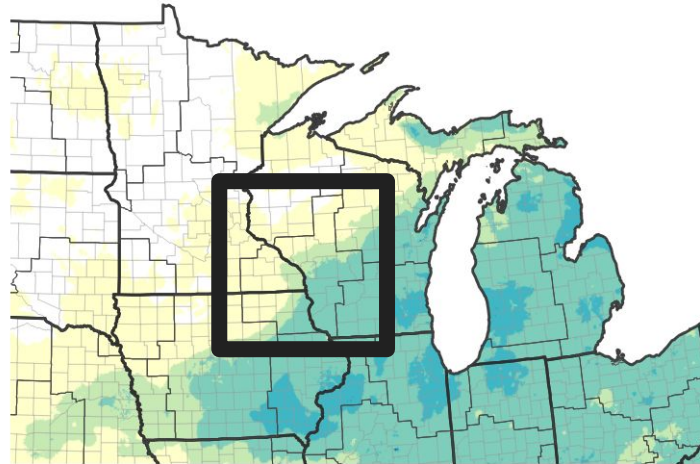




Precipitation

- From December 21 through January 16, precipitation totals ranged from 1.06" near Owen, IA to 3.23" near Oelwein, IA.
- During this period, typically 0.8 to 1.2" of precipitation falls.

7-Day Precipitation Accumulations (Inches)

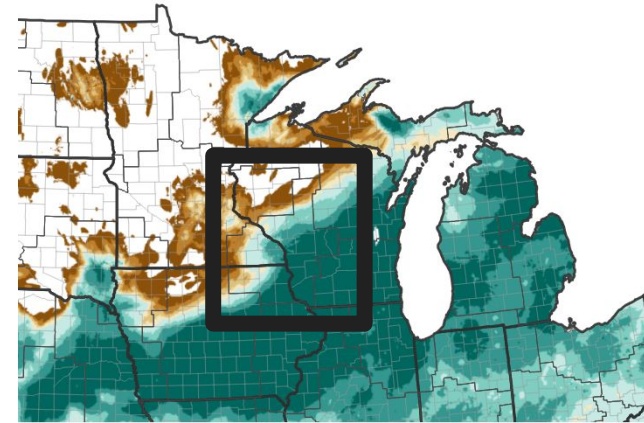


Inches of Precipitation

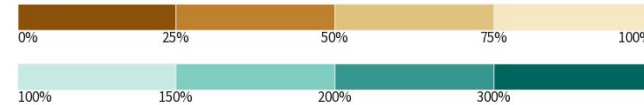


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 01/18/24
image courtesy of Drought.gov

7-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 01/18/24
image courtesy of Drought.gov

- With over 2" water equivalent in the snowpack; and GRACE, CPC Leaky Bucket, and Crop-CASMA suggesting some improvement in groundwater moisture, there was a 1-category improvement in parts of central and southwest Wisconsin.





Temperature

- During the past month (December 19 through January 17), temperatures ranged from 3°F to 15°F warmer than normal.

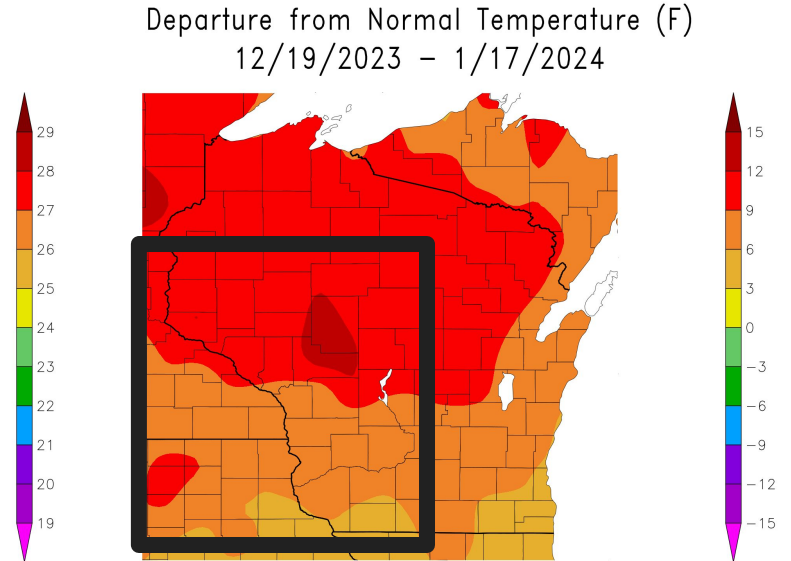
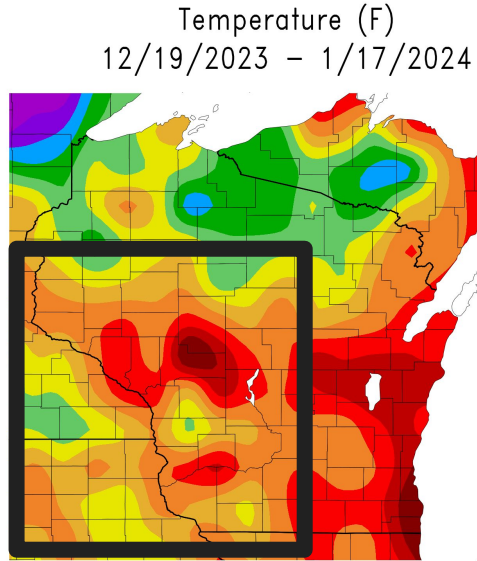


Image Captions:

- Left - [Average Temperature for northeast IA, southeast MN, & Western WI](#)
- Right - [Departure from Normal Temperature for northeast IA, southeast MN, & Western WI](#)
- Data Courtesy High Plains Regional Climate Center.
- Data over the past 30 days ending January 17, 2024





Summary of Impacts

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

Fire Hazard Impacts

- As of the morning of January 16, fire danger was moderate (fires start easily and spread at a moderate rate) across northeast Iowa.
- Meanwhile, there was low (fires start easily and spread at a low rate) fire danger in southeast Minnesota. and western Wisconsin.

Mitigation Actions

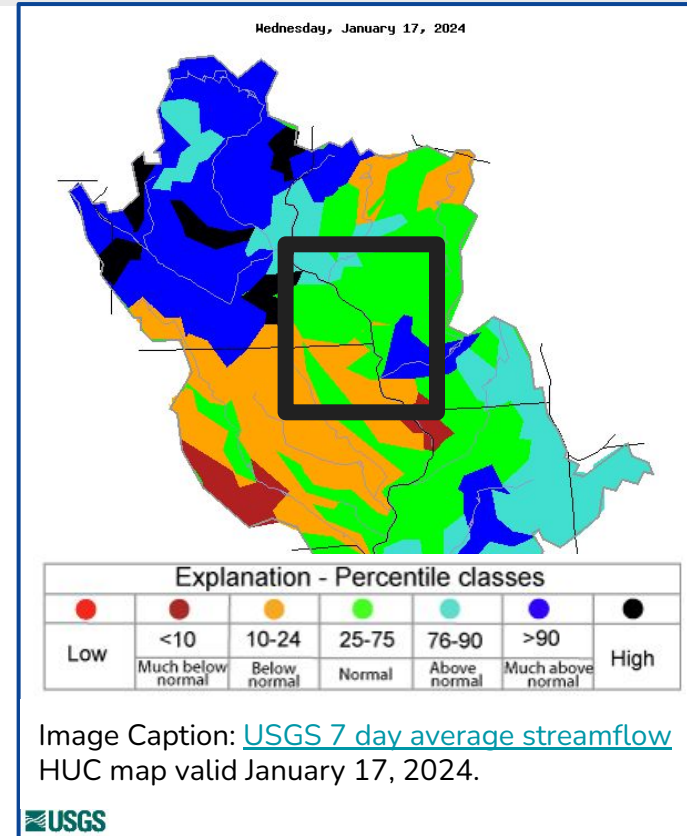
- No known actions are currently taking place at this time in northeast Iowa, southeast Minnesota, and western Wisconsin.





Hydrologic Conditions and Impacts

- From December 21 through January 16, precipitation totals ranged from 1.06" near Owen, IA to 3.23" near Oelwein, IA.
- During this period, typically 0.8 to 1.2" of precipitation falls.
- As of the morning of January 16, many rivers and streams in northeast Iowa, southeast Minnesota, and western Wisconsin were iced over.

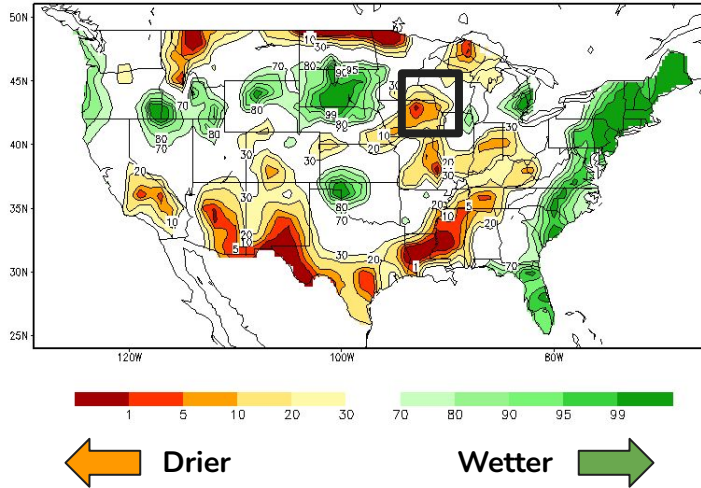




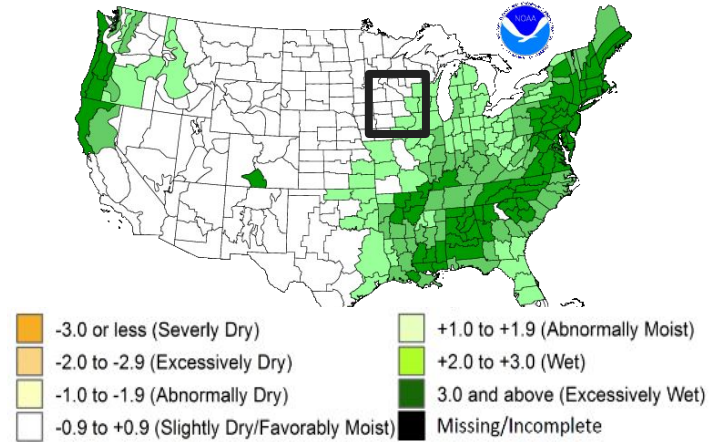
Agricultural Impacts

- Soil moisture remains below normal along and south of Interstate 90.

Calculated Soil Moisture Ranking Percentile
JAN 17, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending JAN 13, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile



For more details:

- [Iowa](#)
- [Minnesota](#)
- [Wisconsin](#)



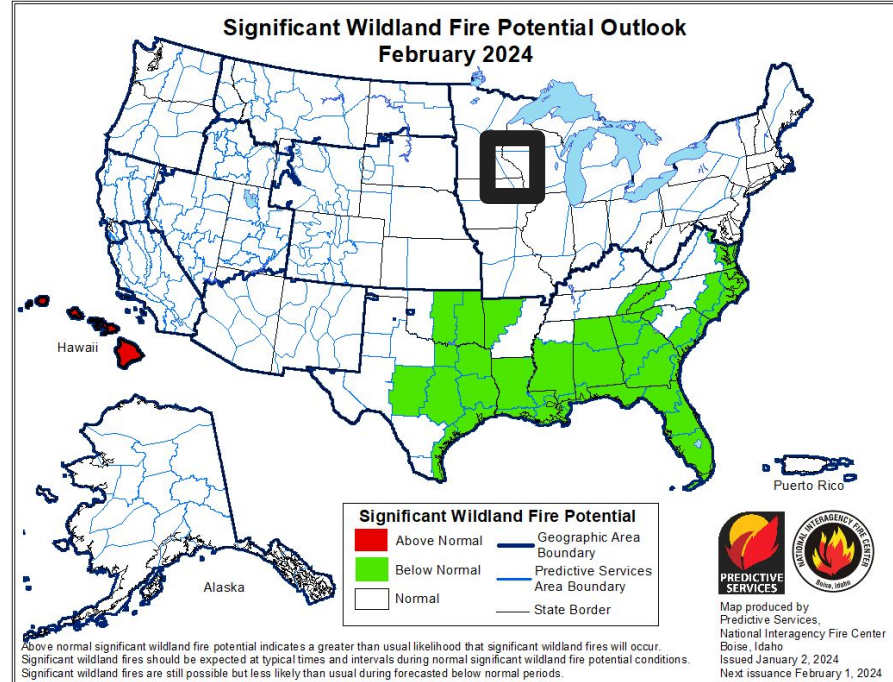


Fire Hazard Impacts

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

As of the morning of January 16, 2024.

- Fire danger was moderate (fires start easily and spread at a moderate rate) across northeast Iowa.
- Meanwhile, there was low (fires start easily and spread at a low rate) fire danger in southeast Minnesota and western Wisconsin.



For updated DNR Fire Conditions consult the following Web Sites:

- [Iowa](#)
- [Minnesota](#)
- [Wisconsin](#)

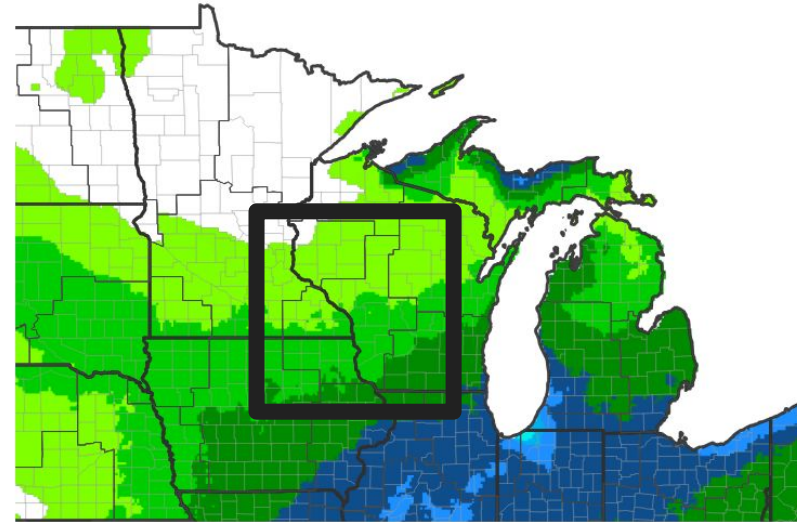




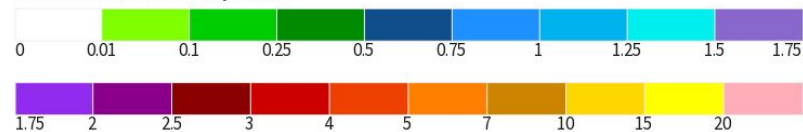
Seven Day Precipitation Forecast

- From January 18 through January 25, the Weather Prediction Center (WPC) is forecasting less than a tenth of an inch north of Interstate 90 and from a tenth to a half-inch elsewhere.
- The highest totals are forecast to be in southern Grant County in southwest Wisconsin.
- Normal precipitation is around 3-tenths of an inch for this time period.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



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

Data Valid: 01/18/24





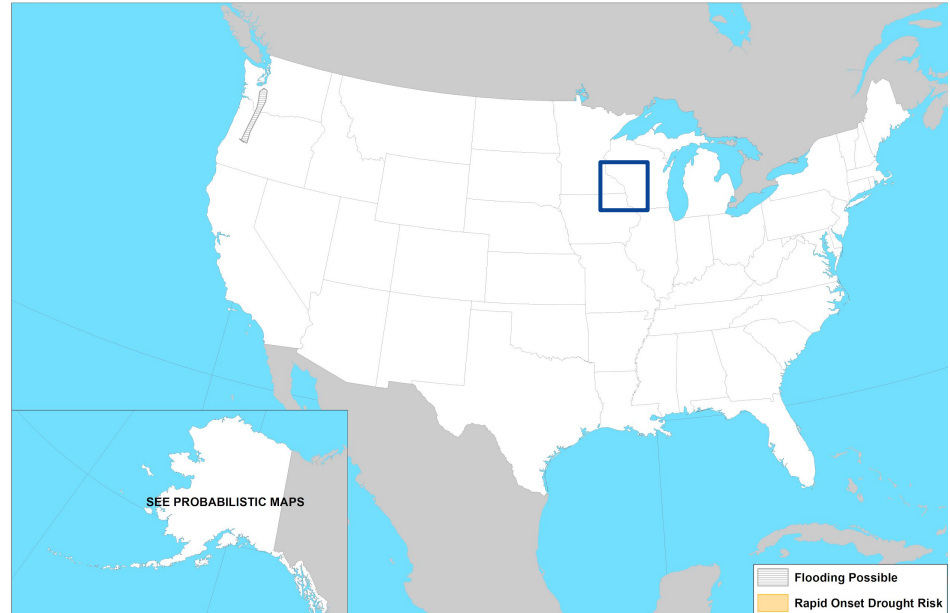
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- With enhanced chances of above-normal temperature and below-normal precipitation from January 26 through February 1, rapid onset drought (at least a 2-category degradation) is not expected.



Day 8-14 U.S. Hazards Outlook
Valid: 01/26/2024-02/01/2024



Climate Prediction Center
Made: 01/18/2024 3PM EST

Follow us:
www.cpc.ncep.noaa.gov

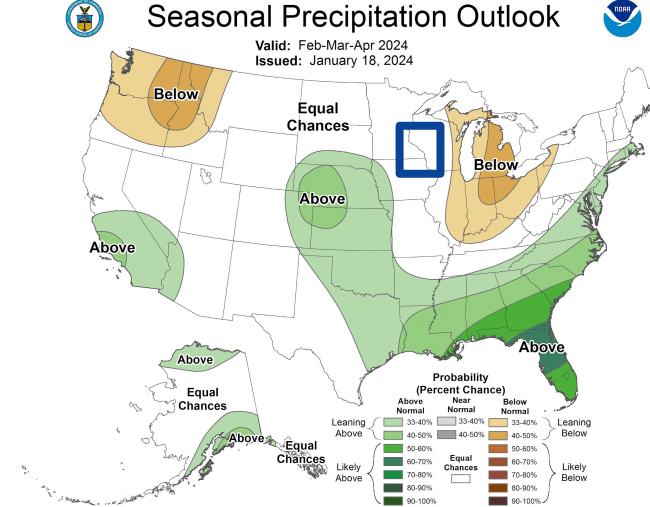
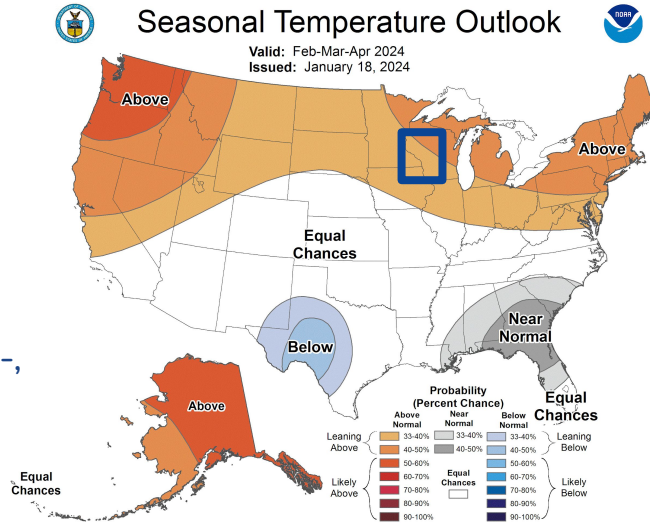




Long-Range Outlooks

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

- From February through April, there is enhanced chances for warmer-than-normal temperatures.
- Meanwhile, there are equal chances of wetter-, near-, and drier-than-normal.



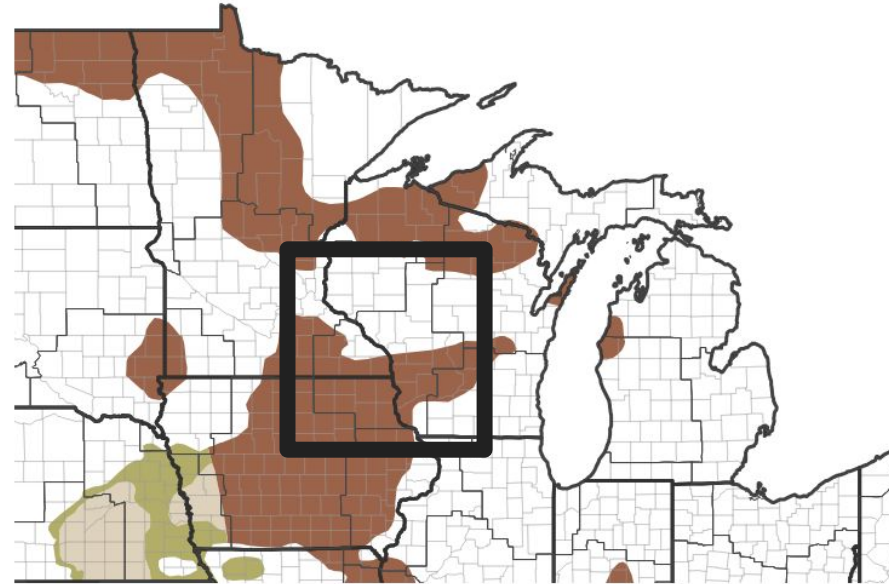


Drought Outlook

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

- According to the latest U.S. Seasonal Drought Outlook (January 18 through April 30), the drought is expected to persist along and south of Interstate 90.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 01/18/24

