



Drought Information Statement for Southeast Wyoming and the Nebraska Panhandle

Valid September 10, 2024

Issued By: WFO Cheyenne, WY

Contact Information: nws.cheyenne@noaa.gov

- This product will be updated October 11, 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/cys/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
-
- Extreme (D3) Drought has been introduced to portions of Converse and Niobrara counties
 - Moderate (D1) to Severe (D2) Drought remains for much of east central Wyoming and northwest Nebraska
 - Recent rainfall in far southeast Wyoming and southwest Nebraska has resulted in improving drought conditions locally



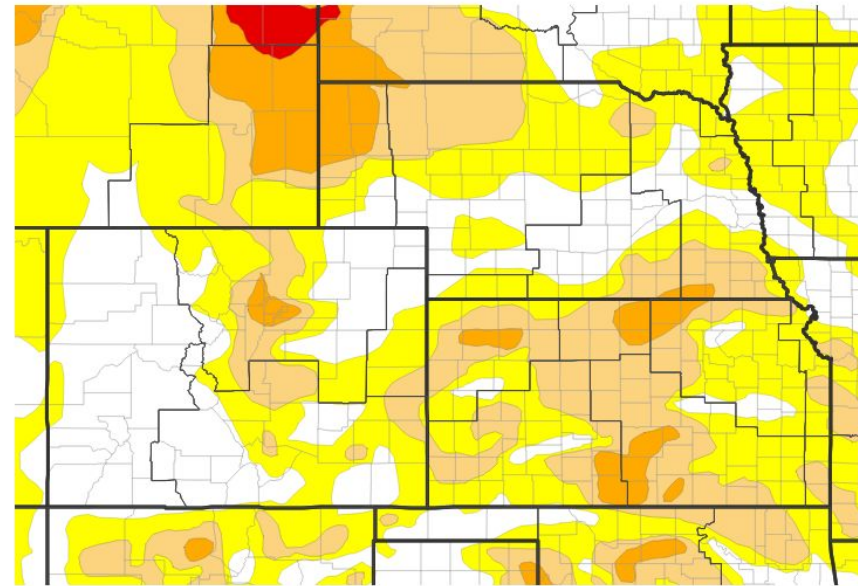


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the High Plains

- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: None occurring.
 - **D3 (Extreme Drought)**: Northeast Converse County and northwest Niobrara County.
 - **D2 (Severe Drought)**: Most of Converse, Niobrara, Platte, Goshen, Sioux, Dawes, and Box Butte Counties.
 - **D1 (Moderate Drought)**: Most of east central Wyoming and the central/northern Nebraska panhandle.
 - **D0: (Abnormally Dry)**: Most of southeast Wyoming and the Nebraska panhandle, with the exception of parts of Carbon, Kimball, Cheyenne, and Morrill counties.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 09/03/24



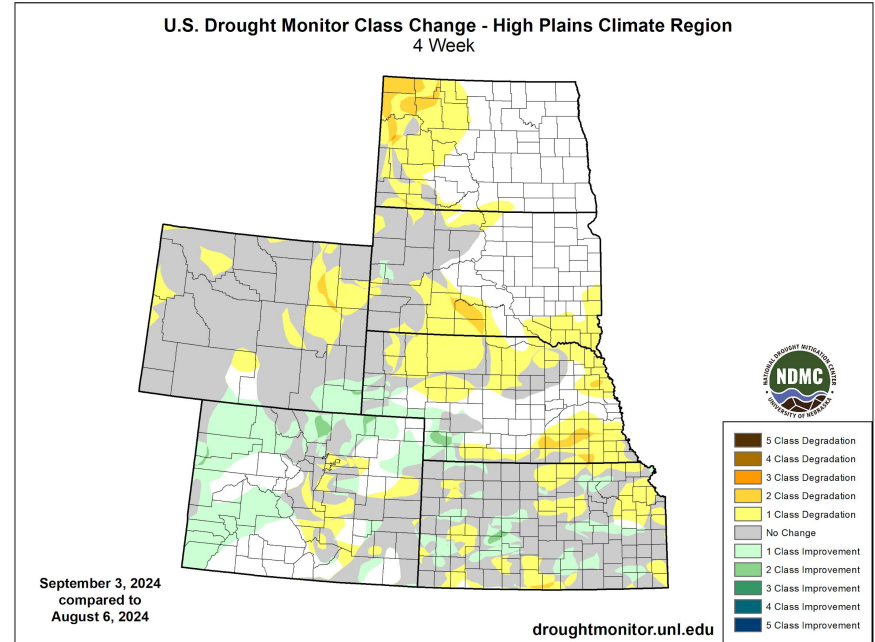


Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for the High Plains

- **Four Week Drought Monitor Class Change**

- **Drought Worsened:** Most of Converse County and parts of the northern Nebraska panhandle.
- **No Change:** Most of Carbon, Albany, Platte, Goshen, Niobrara, and Sioux counties.
- **Drought Improved:** Far southeast Wyoming and parts of the southern Nebraska panhandle due to plentiful rainfall since early August. D0 to D1 remains due to long term drought since the spring.



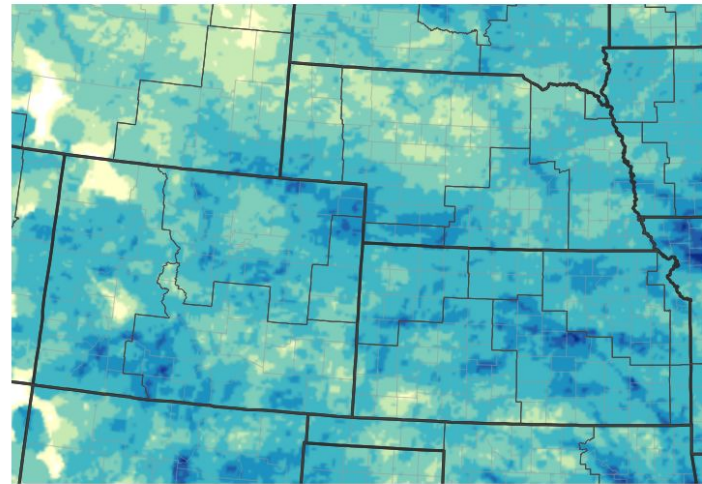


Precipitation

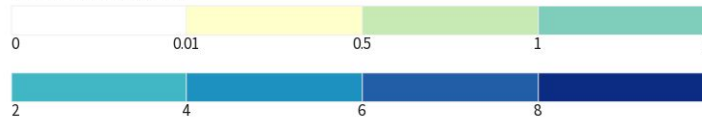
Precipitation was above normal over the last 30 days for northern Carbon county, most of Albany and Laramie counties, and the southern half of the Nebraska panhandle

Precipitation was below normal over the last 30 days over much of Converse and Niobrara counties, and the northern Nebraska panhandle

NWPS 30-Day Precipitation Accumulations (inches)

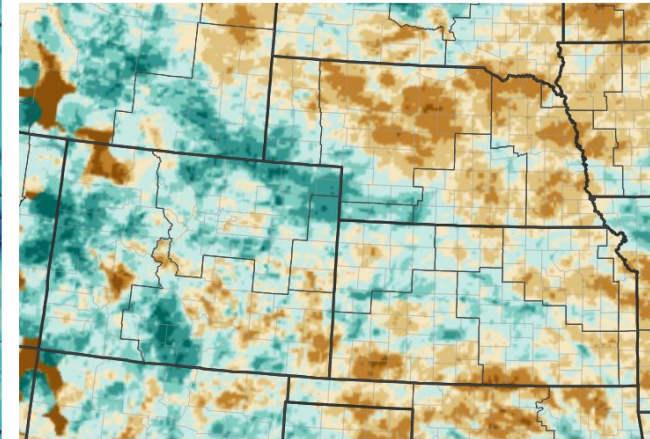


Inches of Precipitation

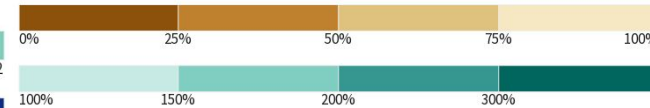


Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 09/08/24

30-Day Precipitation: Percent of PRISM Normal



Percent of Normal Precipitation (%)



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 09/08/24

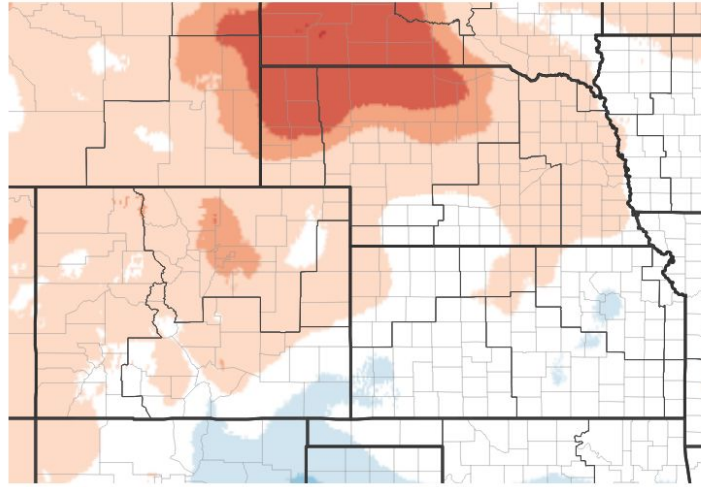




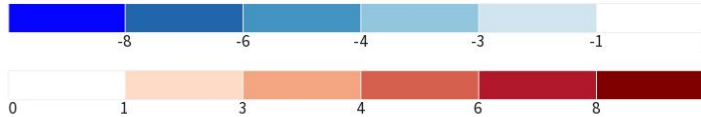
Temperature

- Summarize conditions/impacts here

7-Day Temperature Anomaly



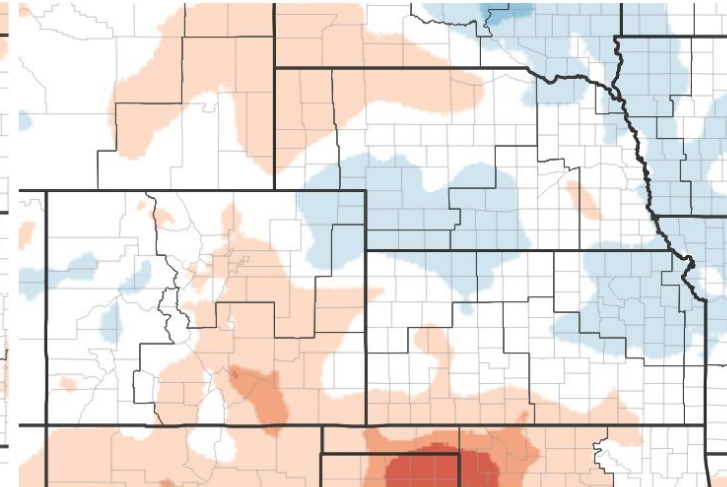
Departure from Normal Max Temperature (°F)



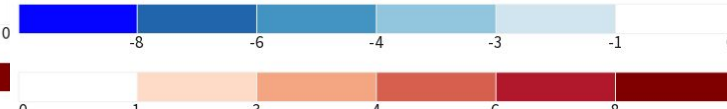
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/05/24

30-Day Temperature Anomaly



Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/05/24





Summary of Impacts

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

Hydrologic Impacts

- Most streams and rivers are near normal for this time of year. Additional information from the USGS can be found [here](#).

Agricultural Impacts

- [Crop moistures](#) are abnormally to excessively dry for most of the area. Visit the attached links for USDA Crop Progress and Conditions reports for [Wyoming](#) and [Nebraska](#).

Fire Hazard Impacts

- Above normal wildland fire potential expected in September for east central Wyoming. Near normal wildland fire potential is expected in September for the remainder of the area. The most recent significant wildland fire potential outlook can be found [here](#).

Other Impacts

- There are no known impacts at this time

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

- Summarize conditions/impacts here

Sunday, September 08, 2024

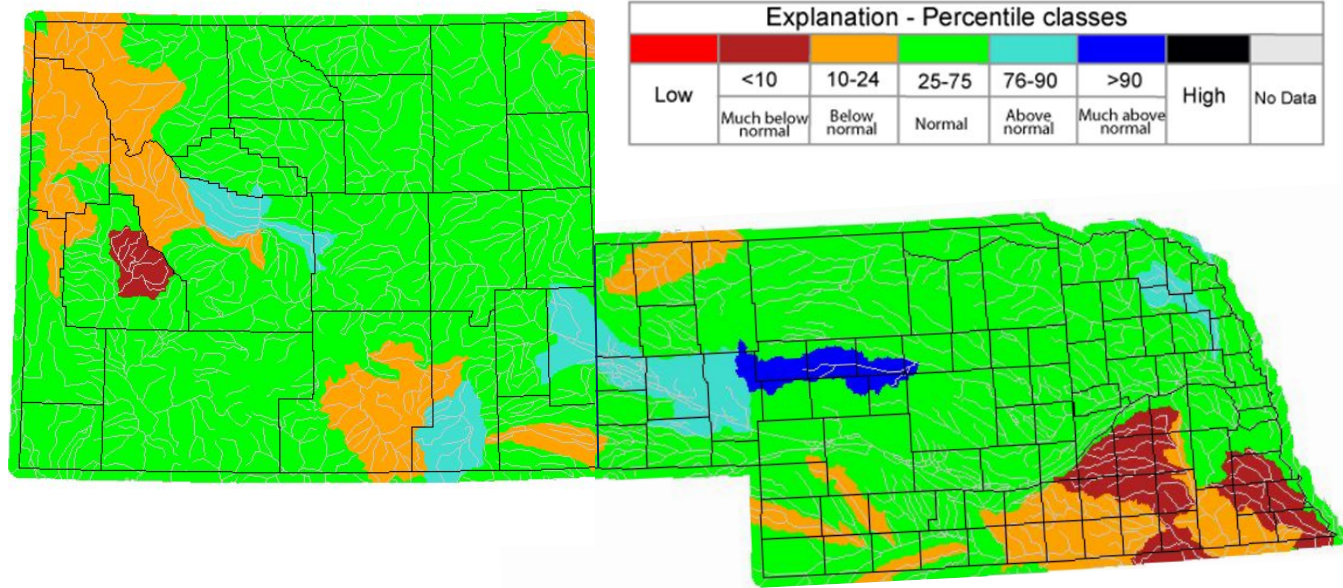


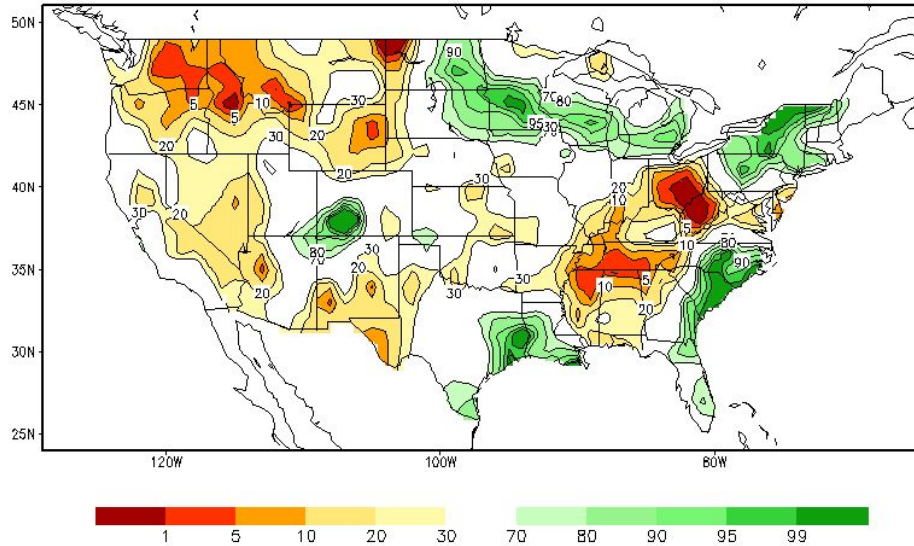
Image Caption: USGS 7 day average streamflow HUC map valid MM DD YYYY





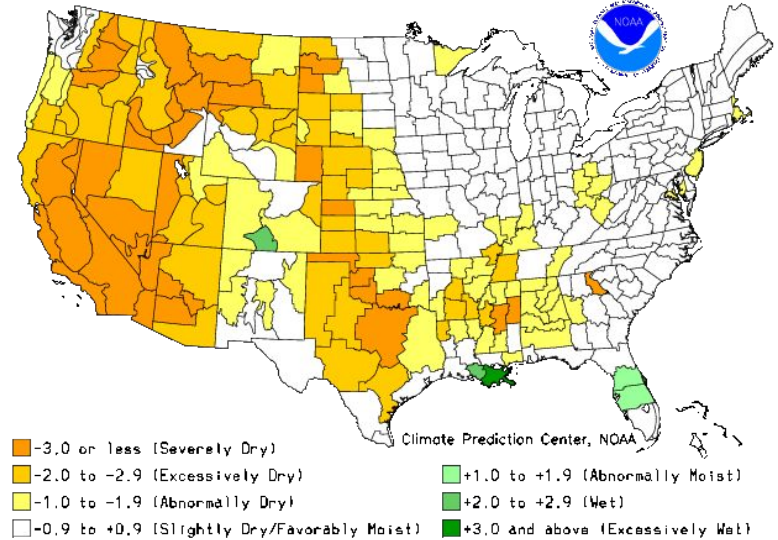
Agricultural Impacts

Calculated Soil Moisture Ranking Percentile SEP 08, 2024



- Summarize conditions/impacts here

Crop Moisture Index by Division Weekly Value for Period Ending SEP 7, 2024 Short Term Need vs. Available Water in a Shallow Soil Profile



- 3.0 or less (Severely Dry)
- 2.0 to -2.9 (Excessively Dry)
- 1.0 to -1.9 (Abnormally Dry)
- 0.9 to +0.9 (Slightly Dry/Favorably Moist)
- +1.0 to +1.9 (Abnormally Moist)
- +2.0 to +2.9 (Wet)
- +3.0 and above (Excessively Wet)





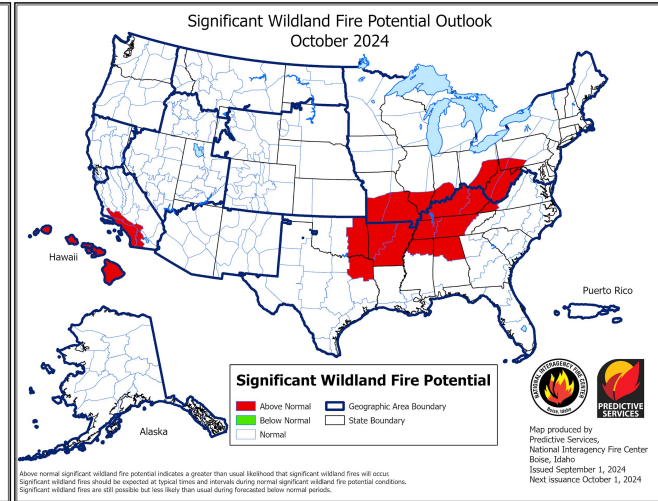
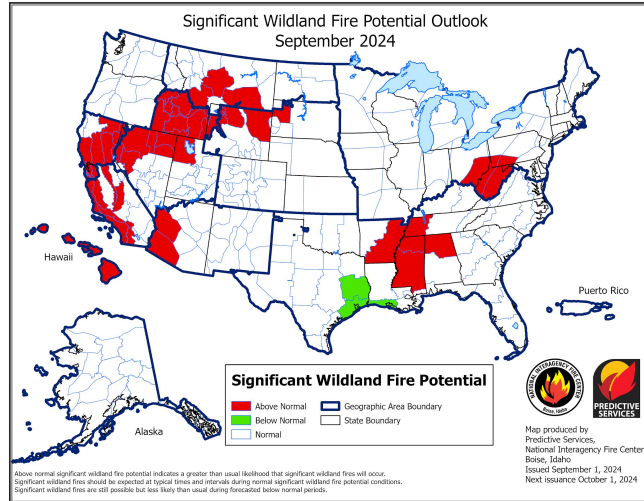
Fire Hazard Impacts

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

- Summarize conditions/impacts here

Latest Information on WY Fire Restrictions [here](#)

Latest Information on NE Fire Danger [here](#)

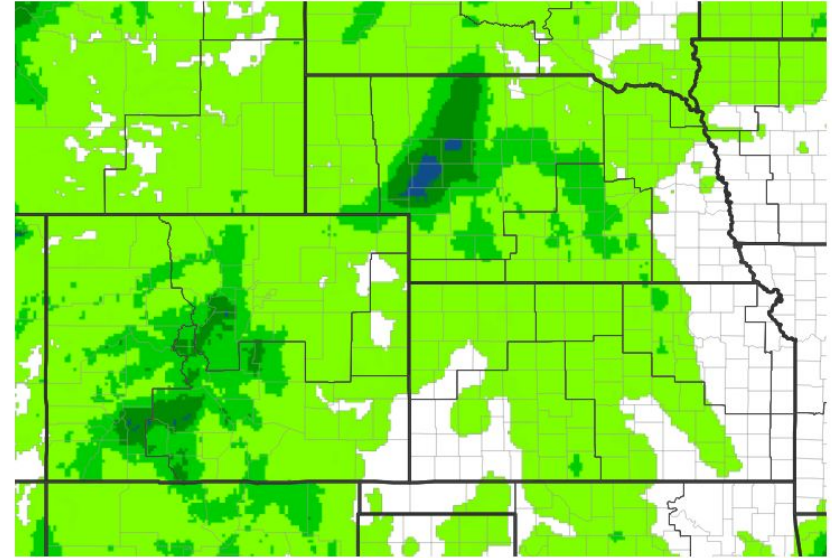




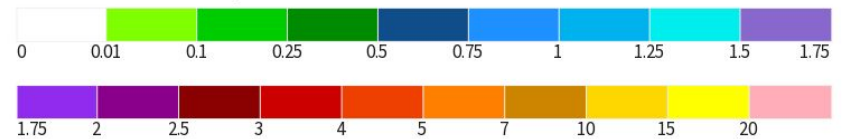
Seven Day Precipitation Forecast

- Summarize conditions here

7-Day Quantitative Precipitation Forecast for September 9, 2024-September 16, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image

Last Updated: 09/09/24





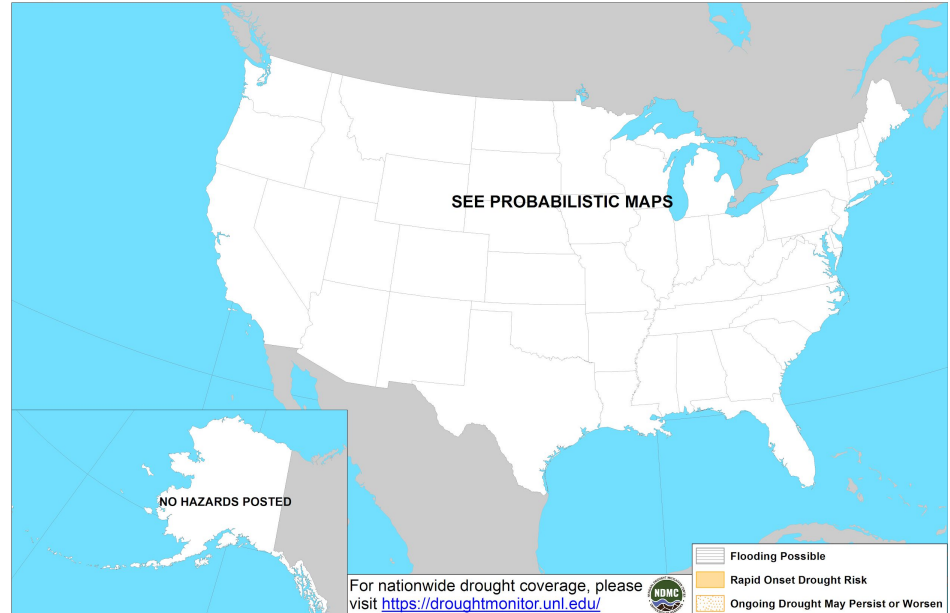
Rapid Onset Drought Outlook

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

- Summarize conditions and impacts here



Day 8-14 U.S. Hazards Outlook
Valid: 09/17/2024-09/23/2024



For nationwide drought coverage, please visit <https://droughtmonitor.unl.edu/>



Climate Prediction Center
Made: 09/09/2024 3PM EDT

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



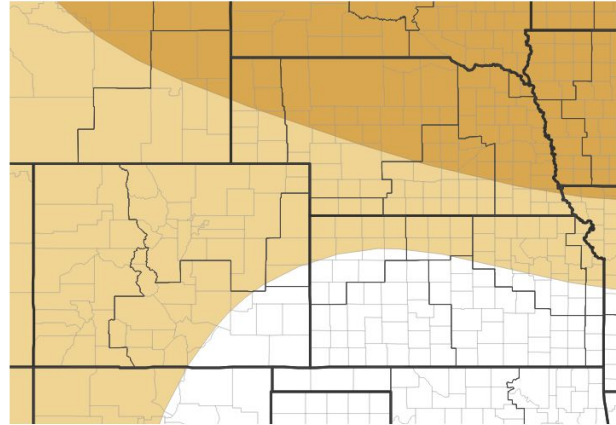


Long-Range Outlooks

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

- Summarize conditions/impacts here

Monthly Precipitation Outlook for September 1, 2024-September 30, 2024



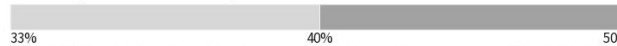
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



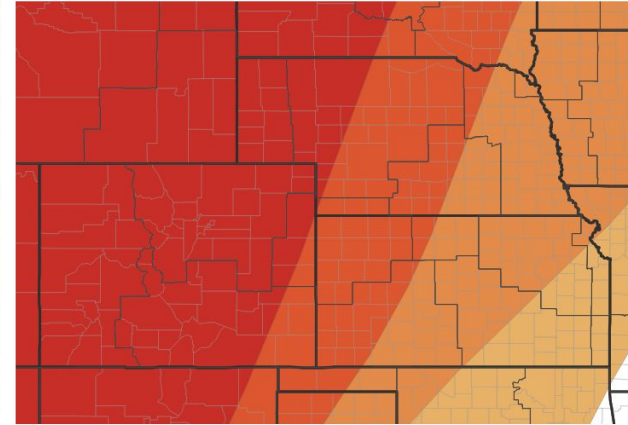
Probability of Near-Normal Precipitation



Source: Climate Prediction Center image courtesy of Drought.gov

Last Updated: 09/21/24

Monthly Temperature Outlook for September 1, 2024-September 30, 2024



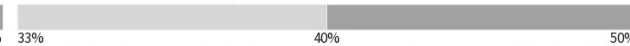
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



Source: Climate Prediction Center image courtesy of Drought.gov

Last Updated: 09/21/24



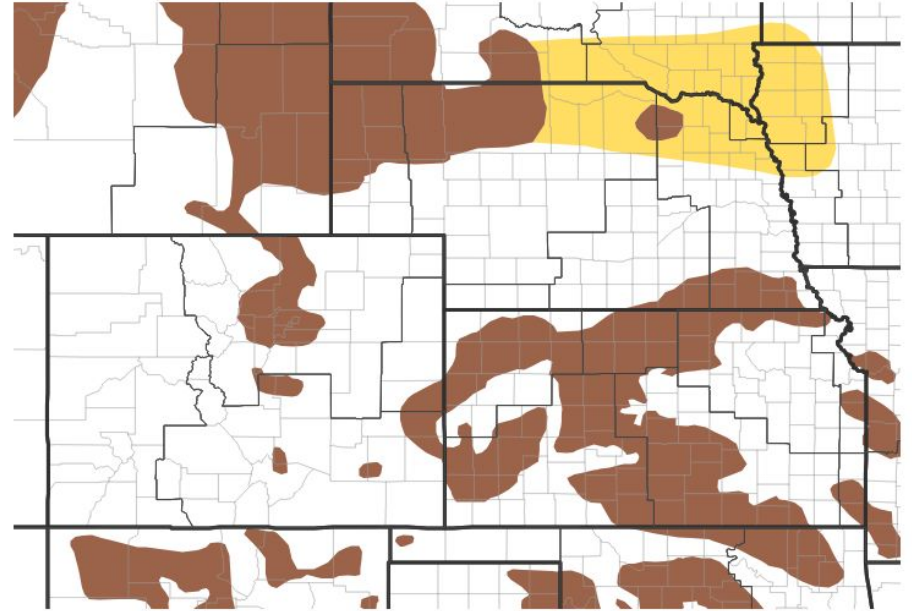


Drought Outlook

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

- Through the month of September, drought conditions are expected to persist for most of southeast Wyoming and western Nebraska.

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



Drought Is Predicted To...



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

Last Updated: 08/31/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)

