



# Drought Information Statement for Western and North Central Nebraska

Valid September, 19, 2024

Issued By: NWS-North Platte, NE

## Contact Information:

- 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/LBF/DroughtInformationStatement> for previous statements.
  - Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.
- 
- Severe drought conditions have expanded into the northeastern Nebraska Panhandle and moderate drought conditions have expanded into portions of north central Nebraska over the past month.



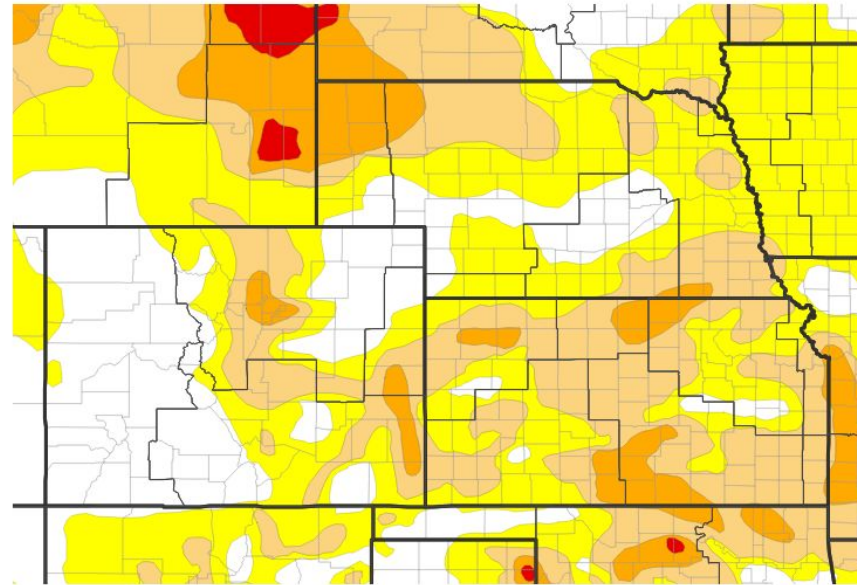


# U.S. Drought Monitor

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

- Drought intensity and Extent
  - **D4 (Exceptional Drought)**: No counties in western and north central Nebraska.
  - **D3 (Extreme Drought)**: No counties in western and north central Nebraska.
  - **D2 (Severe Drought)**: A large portion of Sheridan county.
  - **D1 (Moderate Drought)**: Cherry, portions of Brown, Blaine, Sheridan and Holt counties.
  - **D0: (Abnormally Dry)**: The remainder of western and north central Nebraska, with the exception of, Deuel, southern Garden, most of Keith, the western half of Chase and Perkins counties, northern Lincoln and southern Custer county.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 09/17/24

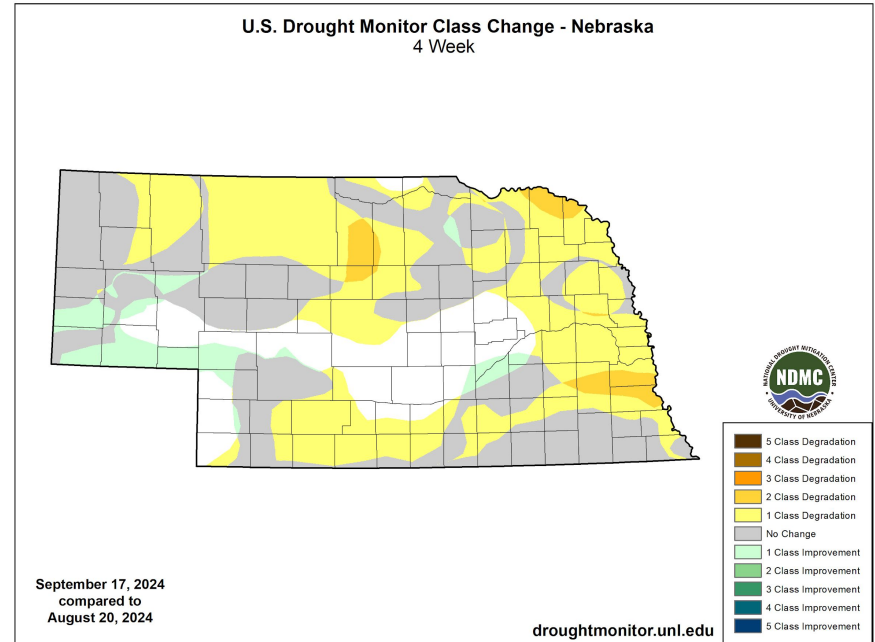




# Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
  - Drought Worsened: Portions of the following counties: Sheridan, Cherry, Brown, Rock, Keya Paha, Boyd, Holt, Logan, Blaine, Loup, Hayes, Frontier and Custer.
  - No Change: Portions of Sheridan, Grant, Hooker, Thomas, Arthur, northeastern Custer, most of Loup, Wheeler, Southern Lincoln and portions of Chase, Hayes, Perkins Keith, Holt, Boyd, Keya Paha and northern portions of Brown and Rock counties.
  - Drought Improved: Deuel, western Keith and portions of Holt, Lincoln, Perkins and Chase counties.

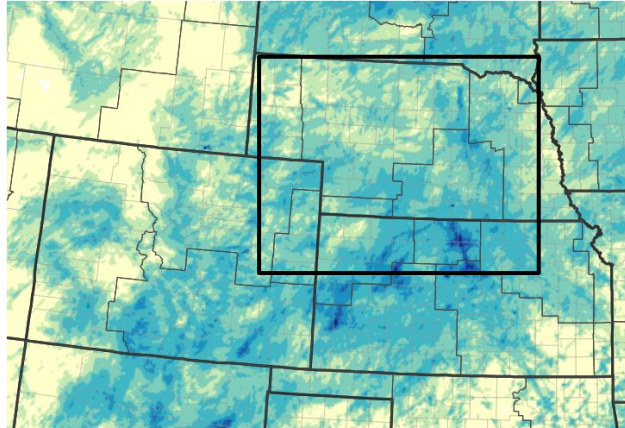




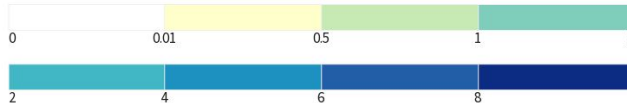
# Precipitation

- Locations in far southwestern Nebraska saw the highest rainfall over the past 30 days with amounts ranging from a half an inch up to 2 inches of rainfall.
- Locations over north central Nebraska saw the least amount of rainfall over the past 30 days with precipitation totals between 25 and 75 percent of normal.

30-Day Precipitation Accumulations (Inches)

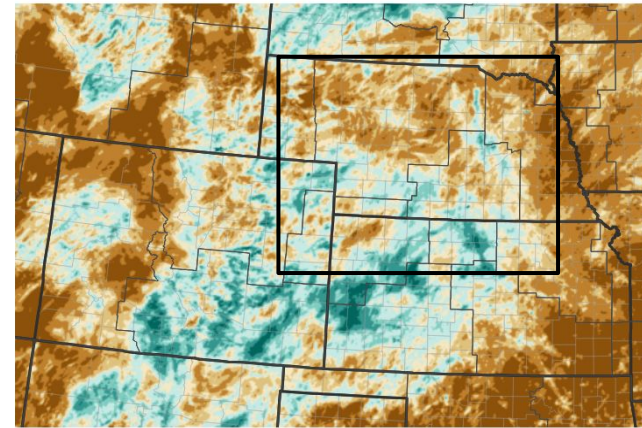


Inches of Precipitation

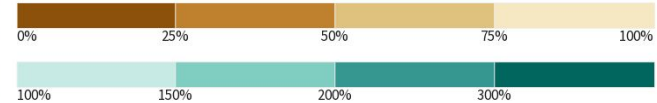


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 09/19/24

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: 09/19/24

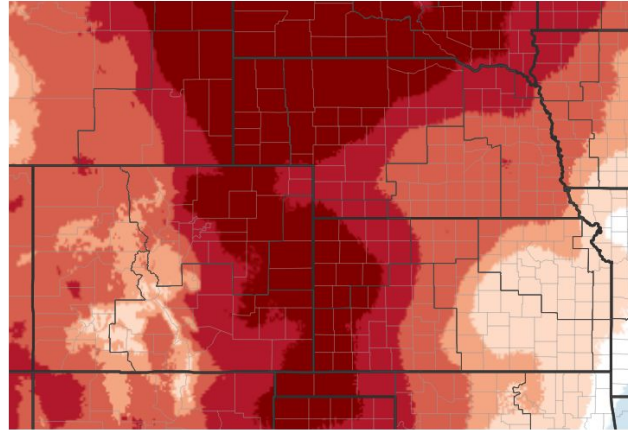




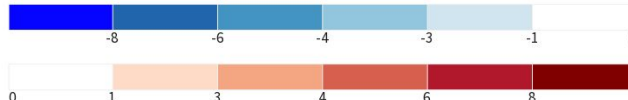
# Temperature

- Over the past week, temperatures have been well above normal across western and north central Nebraska.
- Over the past 30 days, above normal temperatures were most pronounced over northwestern Nebraska.

7-Day Temperature Anomaly



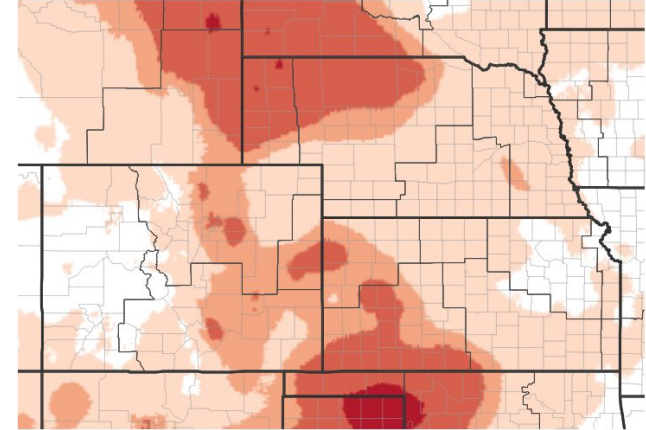
Departure from Normal Max Temperature (°F)



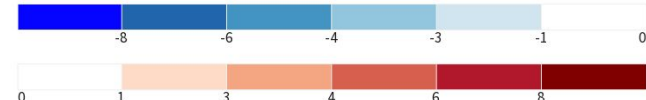
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/15/24

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: 09/15/24





# Summary of Impacts

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

## Hydrologic Impacts

- “There are no known impacts at this time”

## Agricultural Impacts

- “There are no known impacts at this time”

## Fire Hazard Impacts

- Local fire partners have indicated that fine fuels (grasses) are cured in western and southwestern Nebraska and are ready to burn given the right wind and humidity conditions.

## Other Impacts

- “There are no known impacts at this time”

## Mitigation Actions

- “None reported”

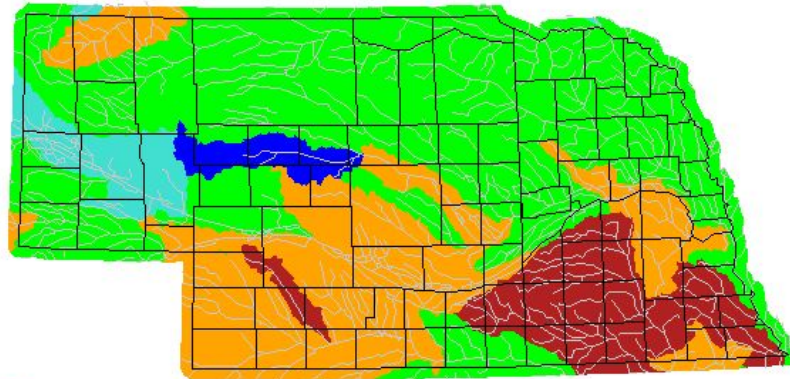




# Hydrologic Conditions and Impacts

- Streamflow across the northern half of the area was normal to above normal for this time of year.
- Flows in the Medicine Creek, Frenchman, mainstem Platte River and Stinking Water Creeks' are below to much below normal for this time of year.

Wednesday, 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		

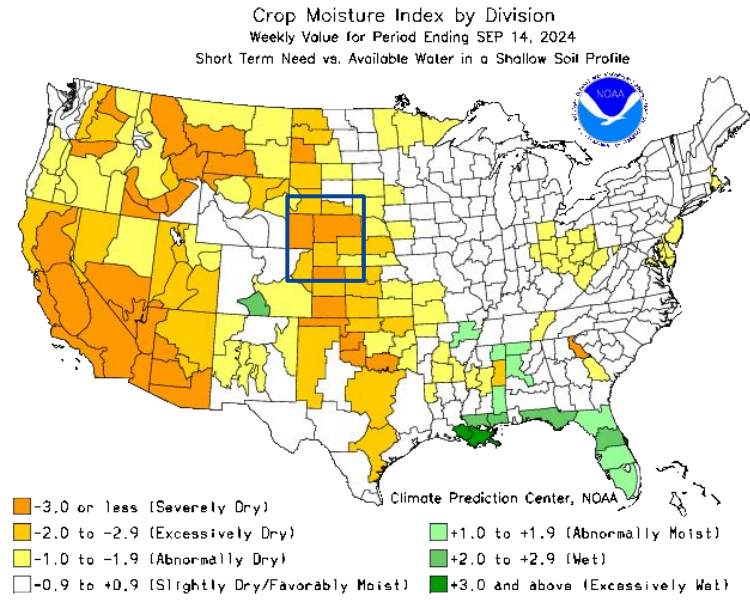
Image Caption: USGS 7 day average streamflow HUC map valid 08 14 2024





# Agricultural Impacts

- The crop moisture index across western and north central Nebraska, is excessively dry to Severely dry currently. Locations over north central Nebraska are the driest.



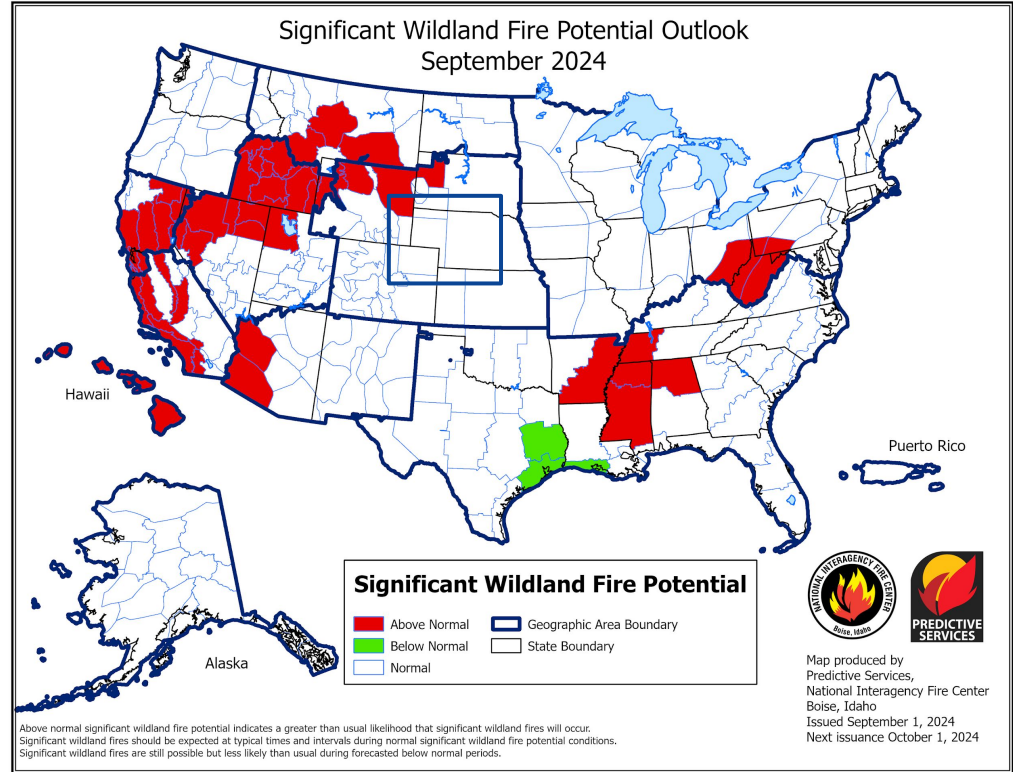




# Fire Hazard Impacts

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

- Significant wildland fire potential is near normal for this time of year.
- However, fire partners have indicated that one hour fuels are cured in western and southwestern Nebraska and are ready to burn given favorable wind and humidity conditions.

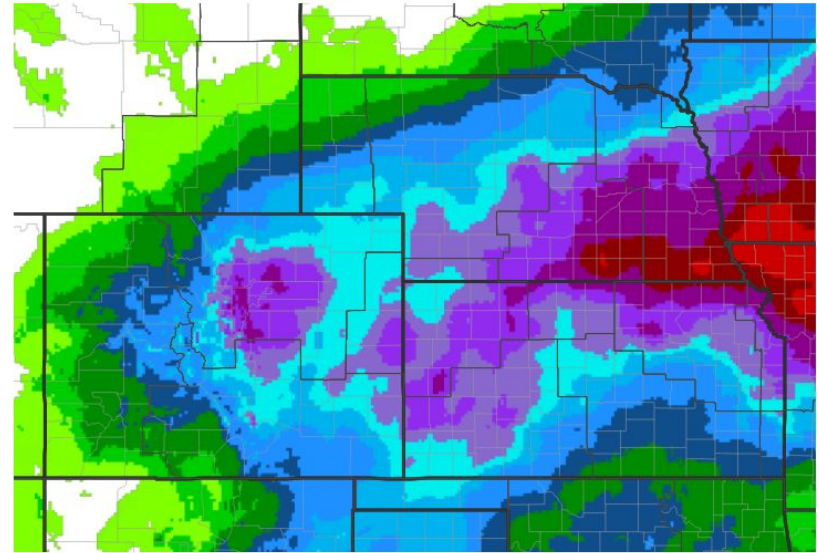




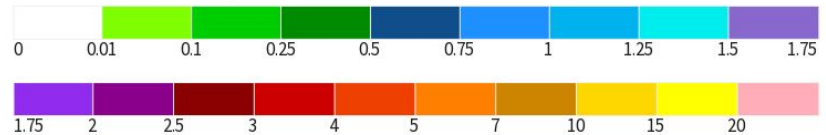
# Seven Day Precipitation Forecast

- The precipitation forecast over the next 7 days calls for a widespread area of 0.50 to 1.50 inches of precipitation. The greatest threat is south of a line from Antioch to Valentine.
- For locations over northwest Nebraska, forecast precipitation is under a quarter inch.

**7-Day Quantitative Precipitation Forecast for September 19, 2024-September 26, 2024**



**Predicted Inches of Precipitation**



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

Last Updated: 09/19/24





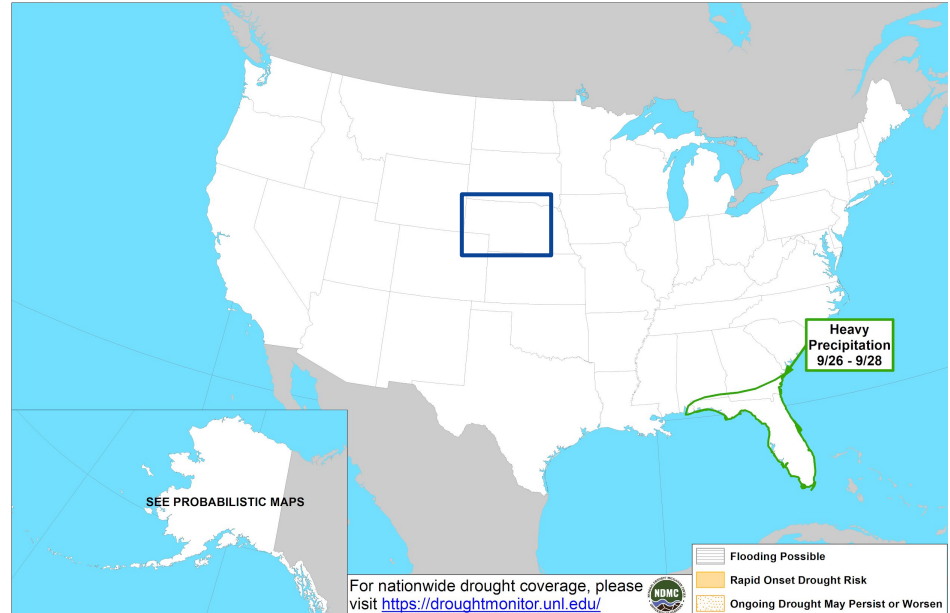
# Rapid Onset Drought Outlook

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

- Rapid onset of drought is not anticipated across western and north central Nebraska.



Day 8-14 U.S. Hazards Outlook  
Valid: 09/26/2024-10/02/2024



Climate Prediction Center  
Made: 09/18/2024 3PM EDT

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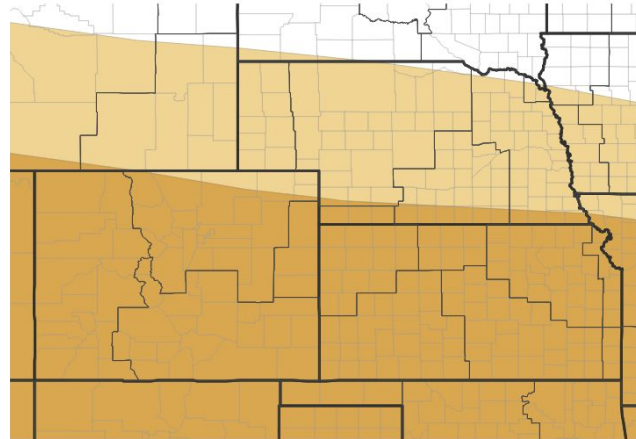


# Long-Range Outlooks

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

- The outlook for October calls for equal chances for above, below or near normal temperatures.
- The precipitation outlook for October calls for below normal precipitation.

Monthly Precipitation Outlook for October 1, 2024–October 31, 2024



Probability of Below-Normal Precipitation



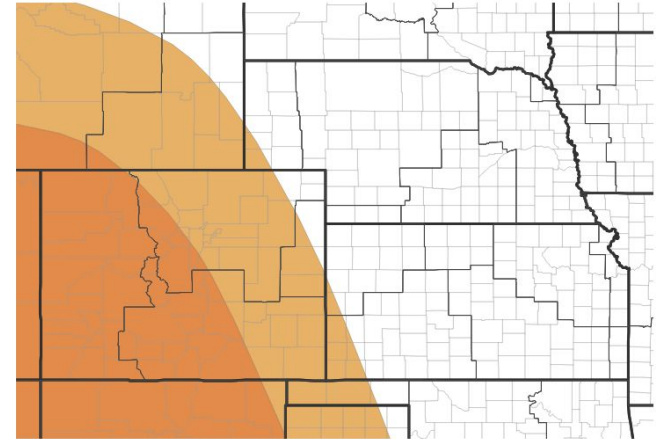
Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



Monthly Temperature Outlook for October 1, 2024–October 31, 2024



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



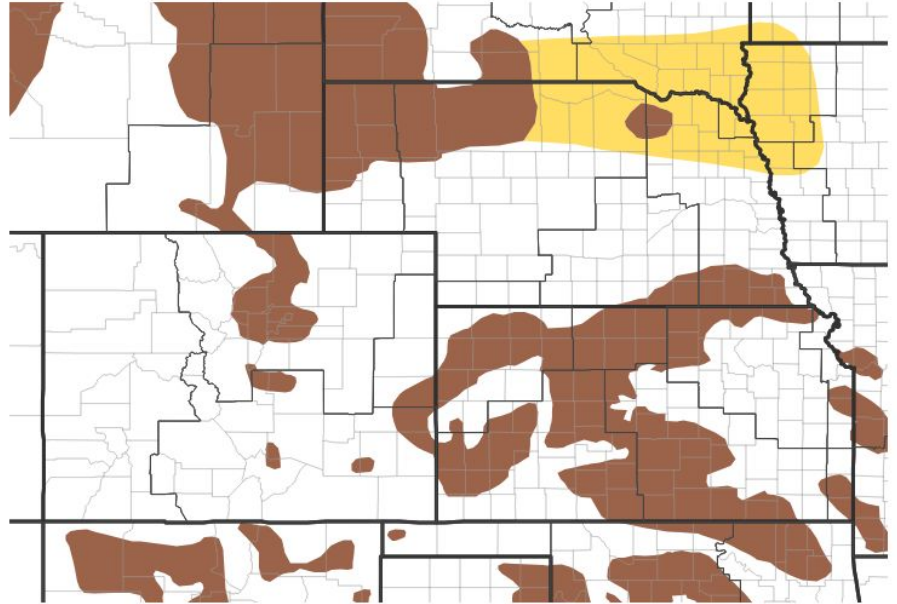


# Drought Outlook

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

- For the remainder of September, drought conditions are forecast to expand over north central 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](#)



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
North Platte, NE