



Drought Information Statement for Western and North Central Nebraska

Valid August, 15, 2024

Issued By: NWS-North Platte, NE

Contact Information:

- This product will be updated September, 19, 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.
-
- Moderate drought conditions have expanded into far southwestern Nebraska, portions of the Pine Ridge, and portions of Holt County in the past month.



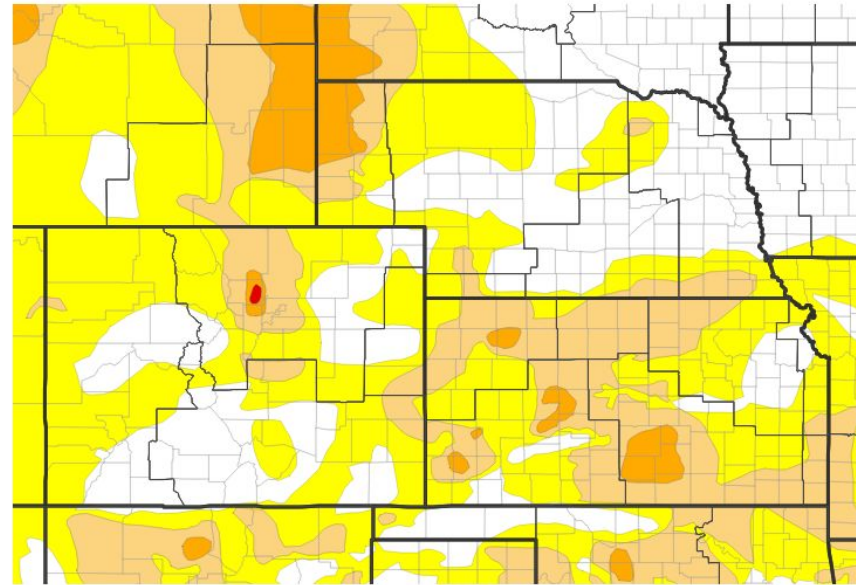


U.S. Drought Monitor

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)**: No counties in western and north central Nebraska.
 - **D1 (Moderate Drought)**: Portions of far northwest Sheridan county. Portions of east central Holt county, far eastern Chase, and far western Hayes counties.
 - **D0: (Abnormally Dry)**: The remainder of Sheridan, far northern Garden and Deuel counties. Keith, Perkins, the remainder of Chase, and Hayes counties. Cherry, Wheeler, and portions of Grant, Hooker, Thomas, Blaine, Brown, Garfield, Custer and the southern half of Lincoln County.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 08/13/24

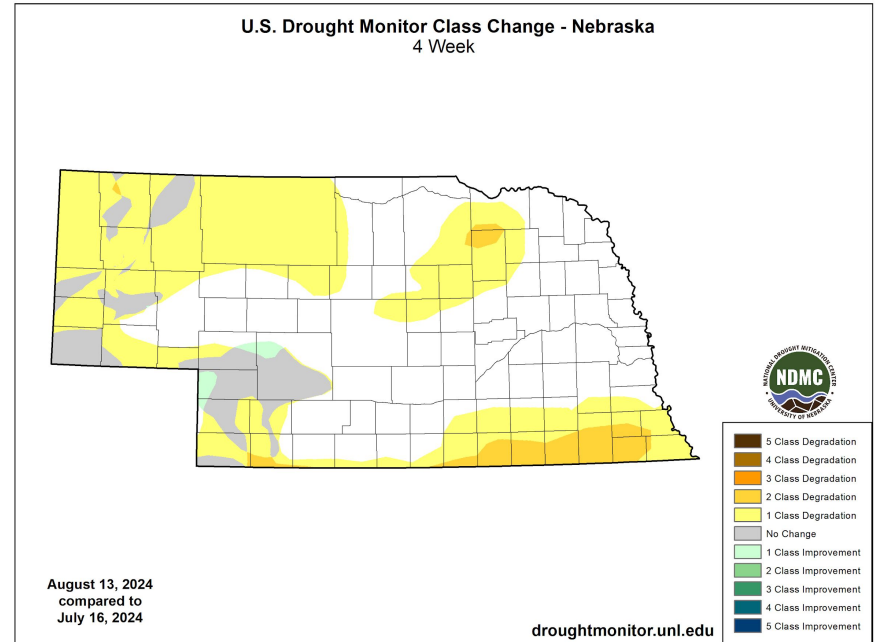




Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Wheeler, Garfield, and portions of Holt and Custer counties. Cherry, most of Sheridan, and portions of Grant, Hooker, Thomas and Brown counties. Deuel and portions of Keith, Chase and Hayes counties.
 - No Change: Portions of Sheridan, southern Keith, eastern 2/3rds of Perkins, portions of Chase, Hayes and the southern half of Lincoln county.
 - Drought Improved: Western Perkins and a small portion of Lincoln and Keith counties.

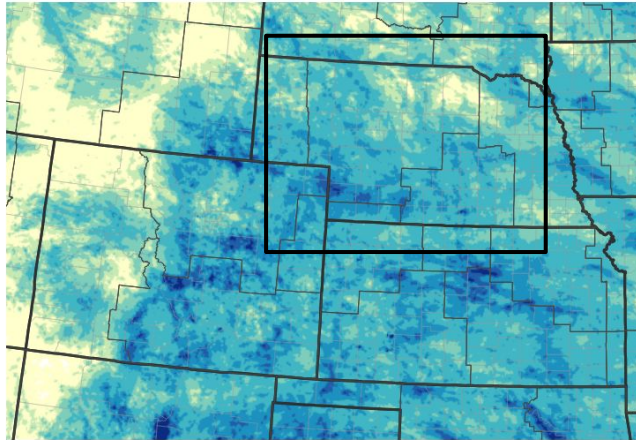




Precipitation

- Locations in far southwestern Nebraska saw the highest rainfall over the past 30 days with amounts ranging from an inch up to 4 inches of rainfall.
- Locations over north central saw the least amount of rainfall over the past 30 days.

30-Day Precipitation Accumulations (Inches)

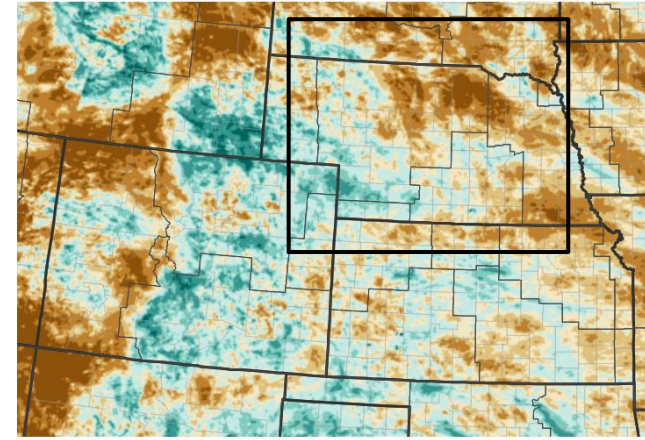


Inches of Precipitation

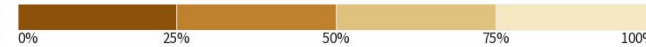


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 08/15/24

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: 08/15/24

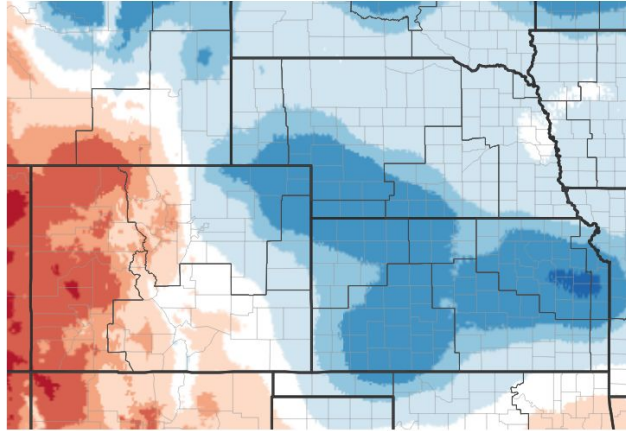




Temperature

- Over the past week, temperatures have been below normal across western and north central Nebraska.
- Over the past 30 days, above normal temperatures occurred generally west of a line from Imperial to Bassett.

7-Day Temperature Anomaly



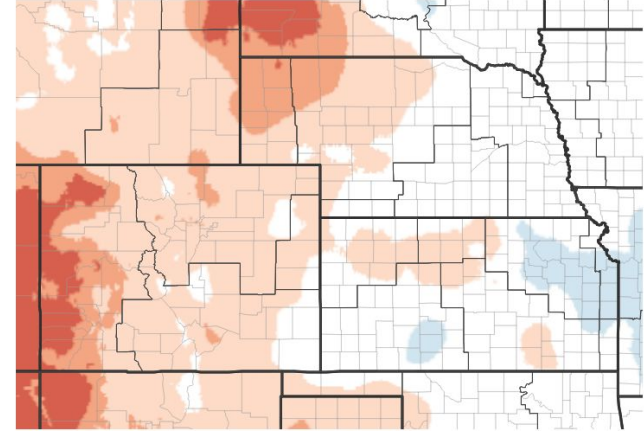
Departure from Normal Max Temperature (°F)



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

Data Valid: 08/11/24

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: 08/11/24





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 far 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”

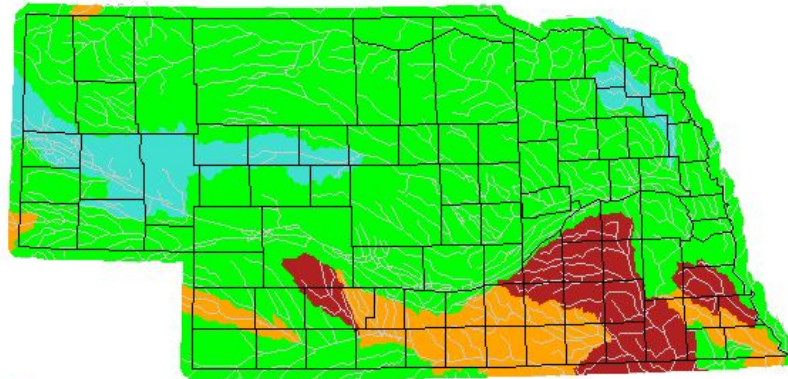




Hydrologic Conditions and Impacts

- Streamflow across most of western and north central Nebraska is near normal for this time of year.
- Flows in the Medicine Creek and Frenchman and Stinking Water Creeks' are below to much below normal for this time of year.

Hednesday, August 14, 2024



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

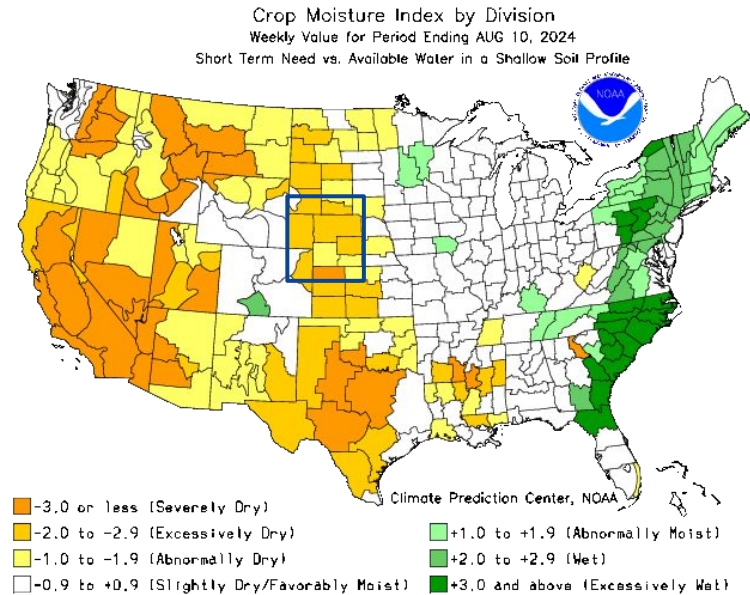
Image Caption: USGS 7 day average streamflow HUC map valid 08 14 2024





Agricultural Impacts

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

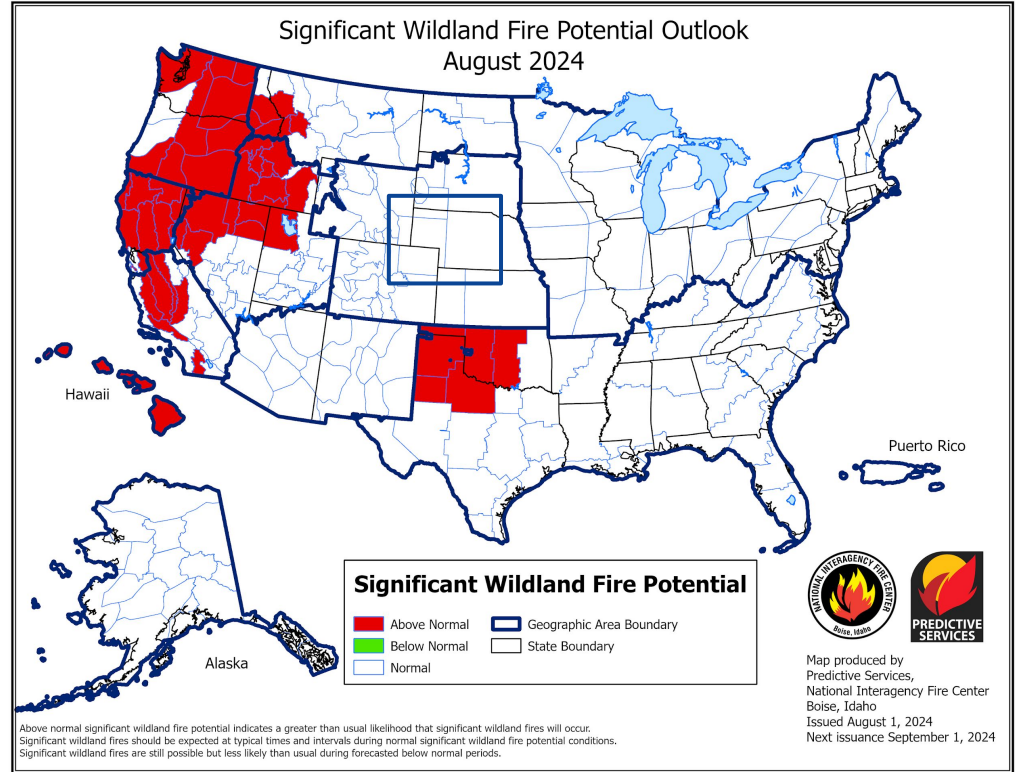




Fire Hazard Impacts

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 far southwestern Nebraska and are ready to burn given favorable wind and humidity conditions.

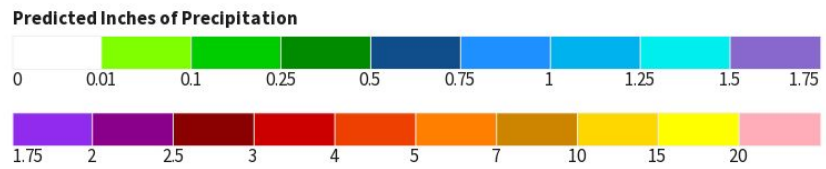
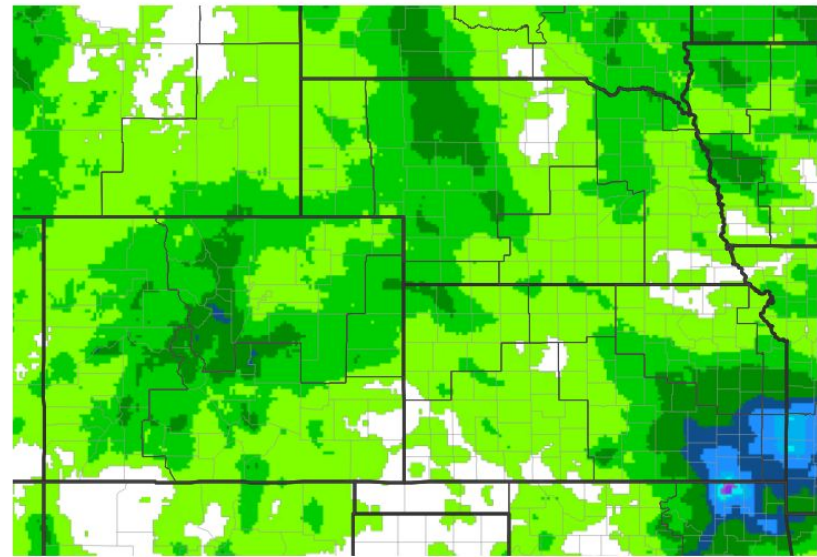




Seven Day Precipitation Forecast

- The precipitation forecast over the next 7 days is generally between a tenth and half an inch west of a line from Valentine to Callaway.
- For locations over most of north central into central Nebraska, forecast precipitation is under a tenth of an inch.

7-Day Quantitative Precipitation Forecast



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov Last Updated: 08/15/24



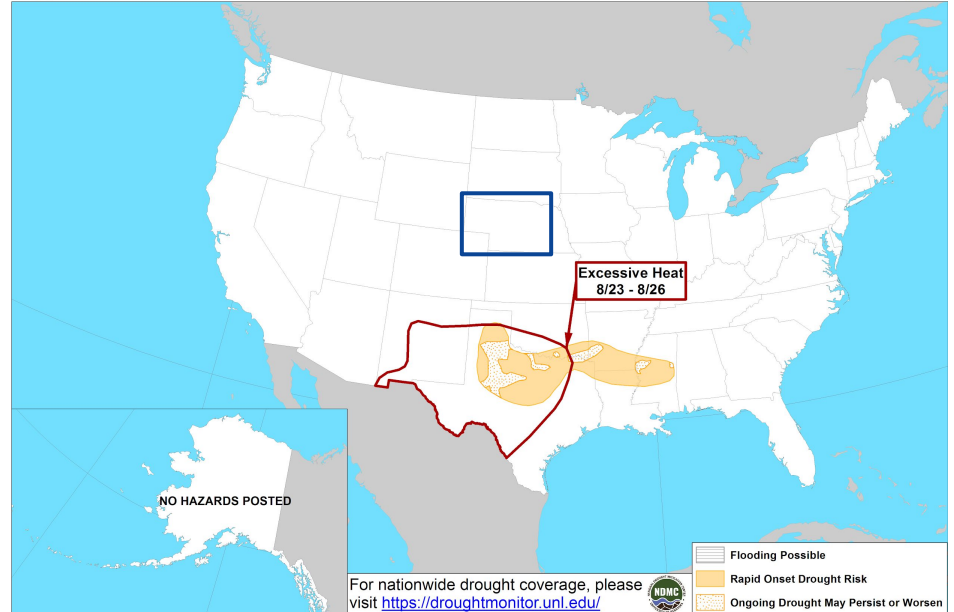
Rapid Onset Drought Outlook

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: 08/23/2024-08/29/2024



Climate Prediction Center
Made: 08/15/2024 3PM EDT

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



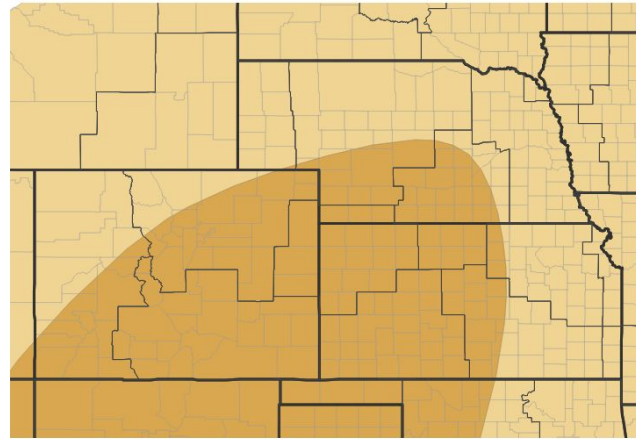


Long-Range Outlooks

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

- The outlook for September calls for above normal temperatures and below normal precipitation for all of western and north central Nebraska.

Monthly Precipitation Outlook



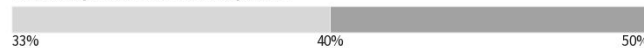
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



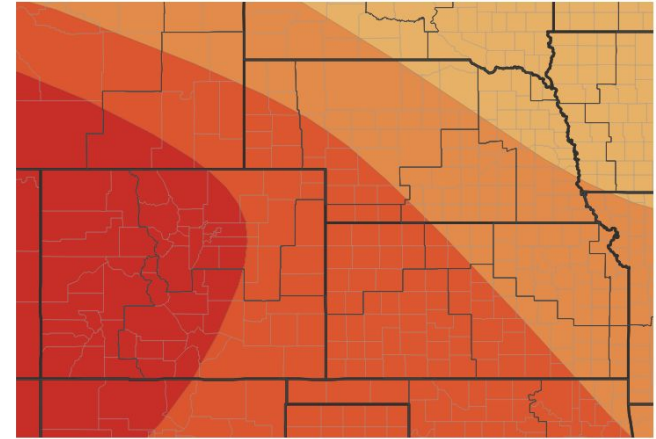
Probability of Near-Normal Precipitation



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

Last Updated: 08/15/24

Monthly Temperature Outlook



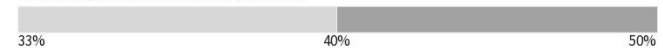
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

Last Updated: 08/15/24



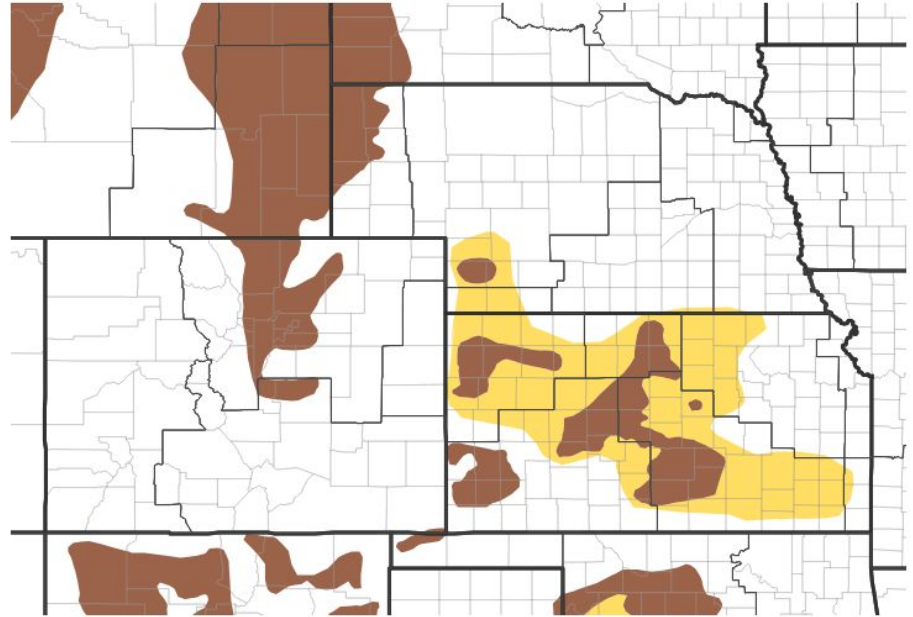


Drought Outlook

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

- Heading into September, drought conditions are forecast to expand over southwestern Nebraska.

1-Month Drought Outlook



Drought Is Predicted To...



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

Last Updated: 07/31/24

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