



Drought Information Statement for Tri-State Area

Valid September, 03, 2023

Issued By: NWS Goodland, Kansas

Contact Information: nws.goodland@noaa.gov

- This product will be updated by the 5th of each month 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/GLD/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
-
- Drought continues across the majority of the area.
 - Localized improvements have been made however due to August rains.





U.S. Drought Monitor

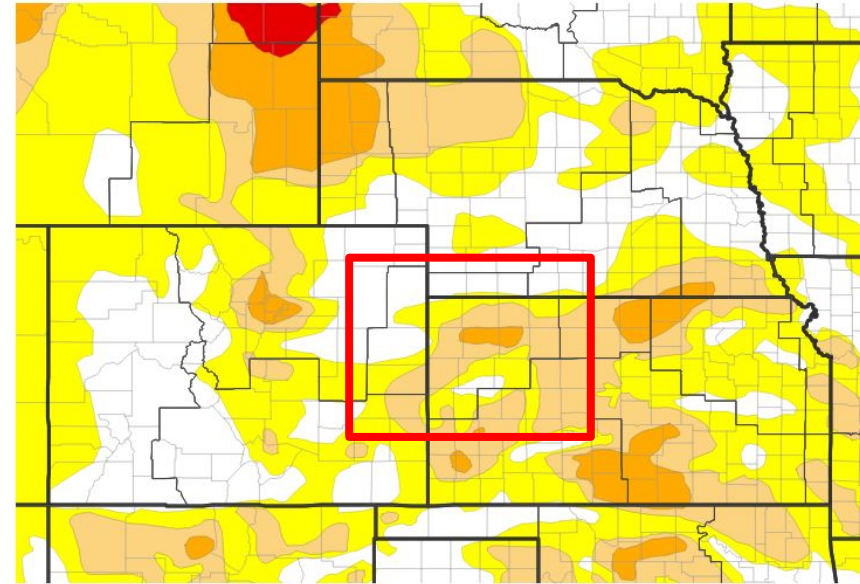
Link to the [latest U.S. Drought Monitor](#) for High Plains

- Drought intensity and Extent

D2 (Severe Drought): Thomas, Sheridan

D1 (Moderate Drought): Cheyenne (KS),
Rawlins, Decatur, Norton, Sherman, Graham,
Cheyenne (CO), Wallace, Logan, Greeley.

D0: Yuma, Kit Carson, Wichita, Gove



U.S. Drought Monitor



Image Caption: Goodland County Warning Area Drought Monitor. Valid

6am MDT Sep 03, 2024





Recent Change in Drought Intensity

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

- 4 Week Drought Monitor Class Change.

Drought Worsened: Yuma, Rawlins, Decatur, Norton, Thomas, Sheridan, Cheyenne (CO), Greeley, Wichita.

Drought Improved: Dundy, Hitchcock, Red Willow, Logan, Gove

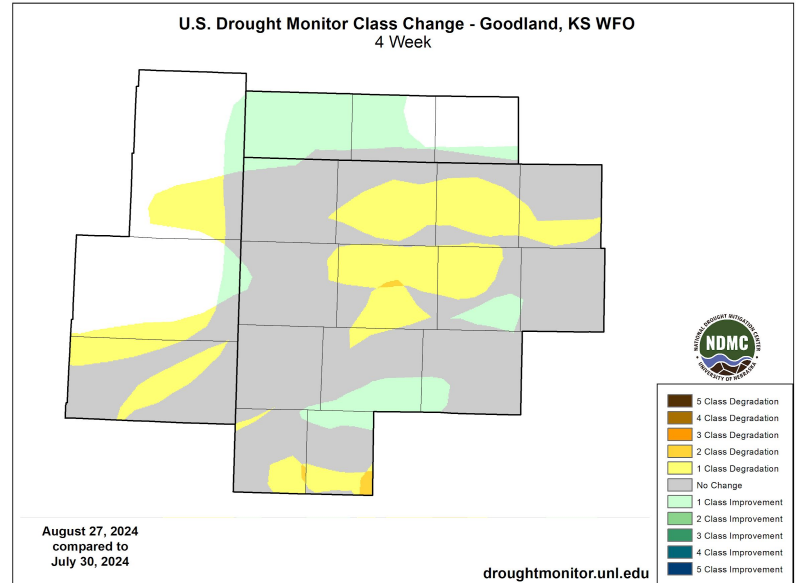


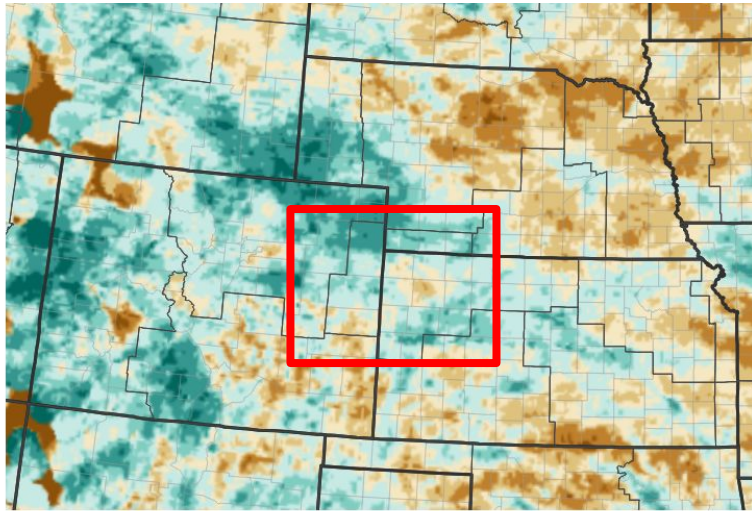
Image Caption: U.S. Drought Monitor 4-week change map valid 6am MDT Sep 03, 2024



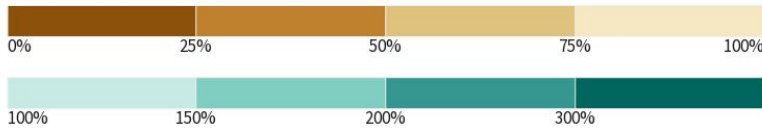


Precipitation

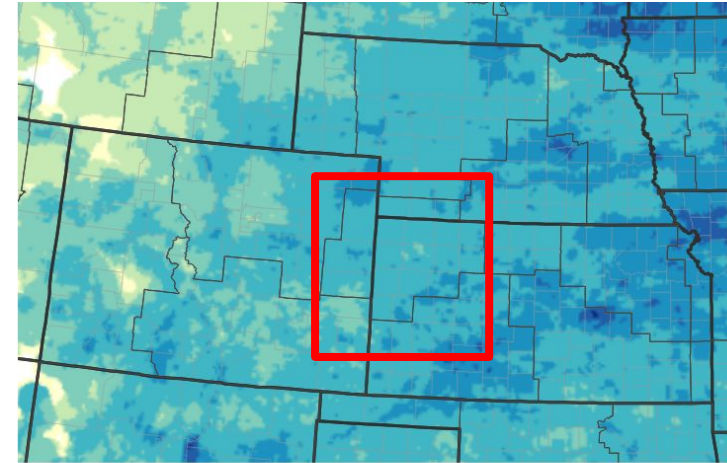
- Northern and southern portions of the area were treated to multiple rounds of thunderstorms which lead to the easing of the drought.
- Center portion of the area (Thomas, Sheridan, Cheyenne, Sherman) were mostly missed from the multiple rounds of rain.



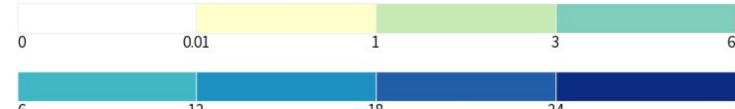
Percent of Normal Precipitation (%)



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 09/01/24



Inches of Precipitation



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 09/01/24

Image Captions:
 Right - Monthly Precipitation Amount for Tri-State Area
 Left - Percent of Normal Monthly Precipitation for Tri-State Area
 Data Courtesy of National Water Prediction Center. Date Valid:

Sep 03 2024



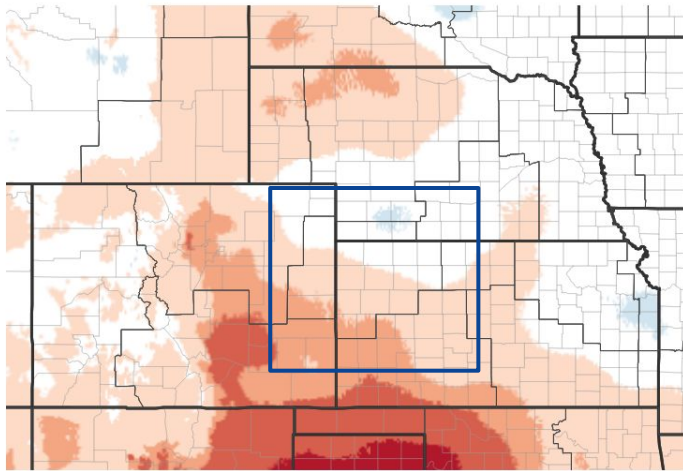


Temperature

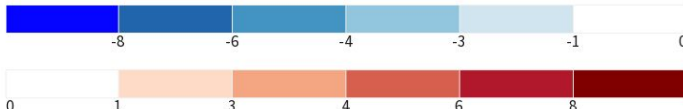
Near normal temperatures across the north also did help with the easing of the drought conditions.

Further south which was closer to the high pressure and hot temperatures did see the drought worsen in areas.

30-Day Temperature Anomaly

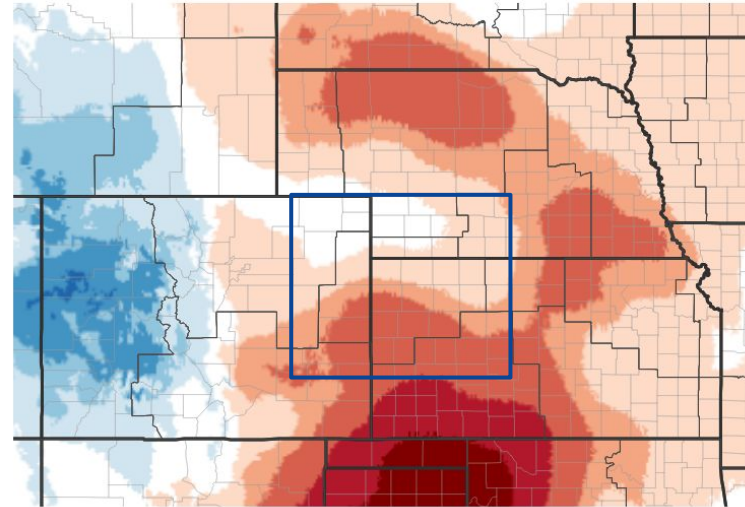


Departure from Normal Max Temperature (°F)

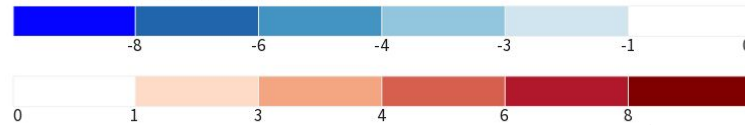


Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 08/29/24



Departure from Normal Max Temperature (°F)



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

Image Captions:

Right - 7 Day Temperature Anomaly

Left - 30 Day Temperature Anomaly

Data Courtesy High Plains Regional Climate Center. Date Valid: Sep 03 2024





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

- USDA Nebraska Crop Progress and Condition Reports can be found [here](#)
- USDA Kansas Crop Progress and Condition Reports can be found [here](#)

Fire Hazard Impacts

- Areas where drought has worsened or remained the same will see continued drying out of vegetation leading to some fire spread especially on breezy days.

Other Impacts

- There are no known impacts at this time

Mitigation Actions

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

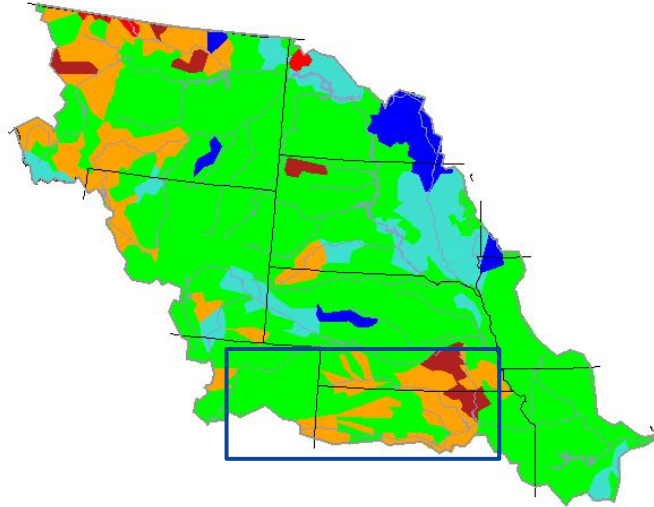




Hydrologic Conditions and Impacts

- No known impacts at this time as much of the Tri-State Area remains normal or below normal.

Sunday, September 01, 2024



USGS

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 Sep 03 2024





Agricultural Impacts

- Crop moisture remains abnormally dry to excessively dry across most of western Kansas.
- Soil moisture has however moved back to near normal for the area.

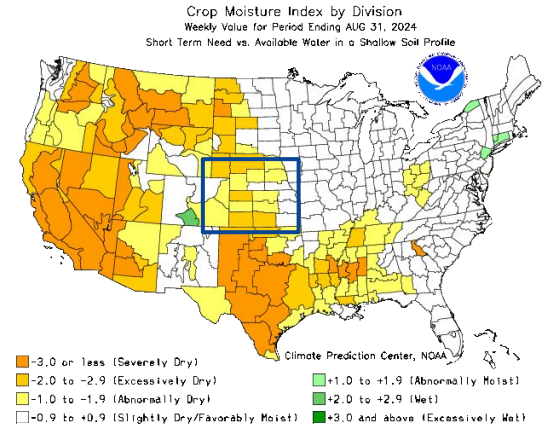
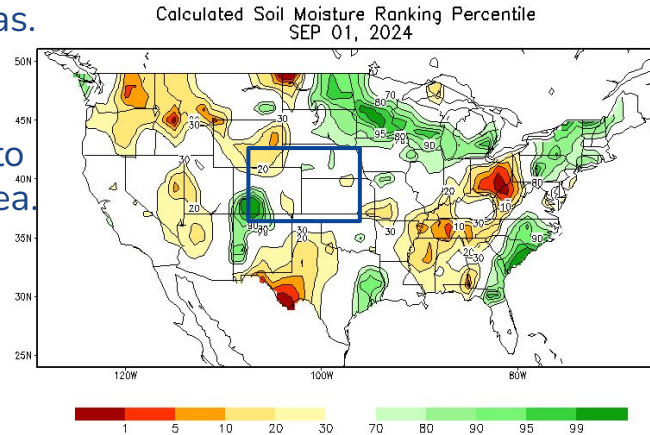


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid Sep 03 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending Aug 31, 2024





Fire Hazard Impacts

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

- No concern for significant wildland fire potential at this time.
- However fire weather potential may increase as we begin the approach to our frost/freeze season. Winds typically do begin to increase as well as the cold fronts from Canada get stronger.

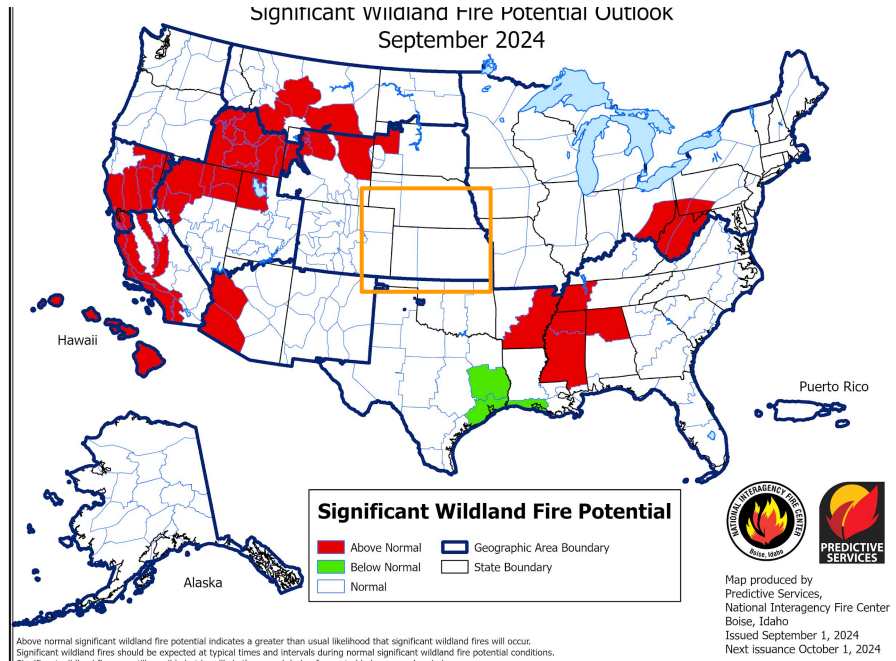


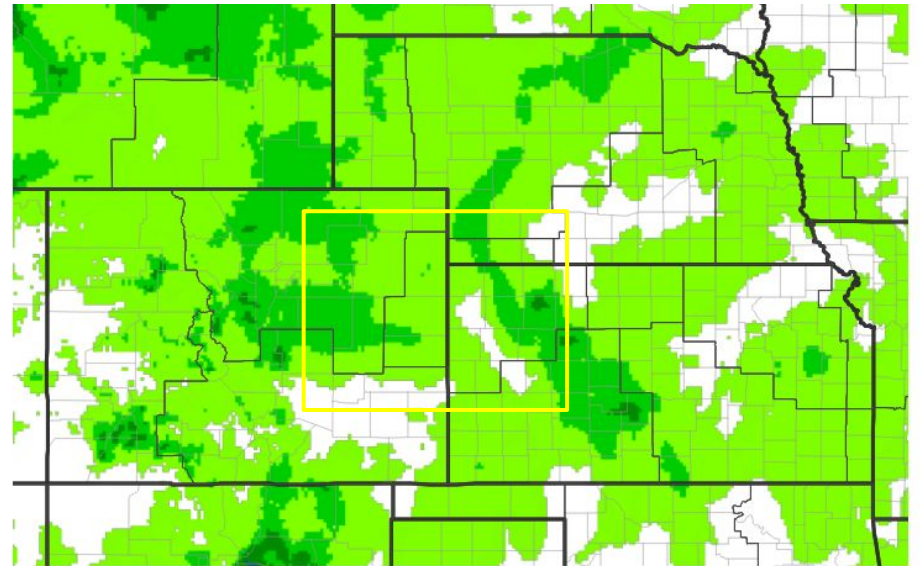
Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for September 2024





Seven Day Precipitation Forecast

- A weak cold front moving through the first week of September looks to bring the potential for some showers and storms to the area. A less humid air mass however will limit overall rainfall to around ¼ inch or less for most areas.



Predicted Inches of Precipitation

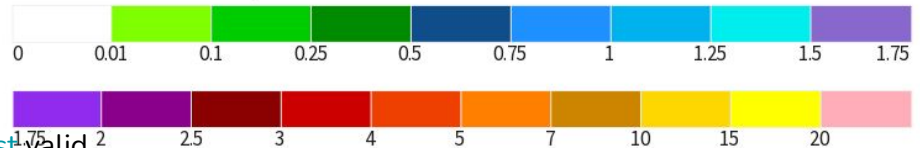


Image Caption: Weather Prediction Center [7-day precipitation forecast valid Monday September 2 to September 9th](#)

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

Last Updated: 09/02/24

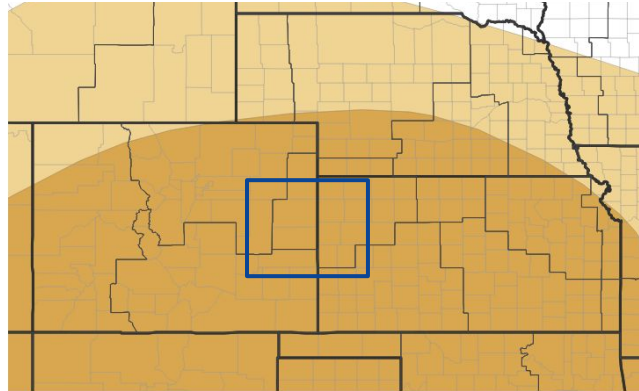




Long-Range Outlooks

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

- A continued strong signal for below normal precipitation and above normal temperatures looks to continue through the month of September as an amplified ridge remains across the western CONUS.



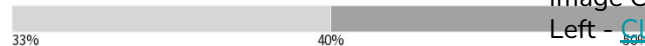
Probability of Below-Normal Precipitation



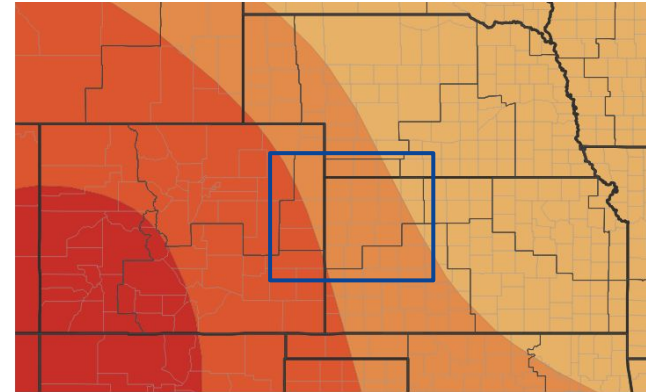
Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



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



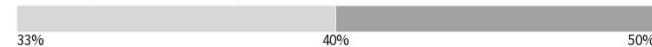
Probability of Below-Normal Temperatures



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

Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),

Right - [Climate Prediction Center Monthly Precipitation Outlook](#).

Valid September 2024



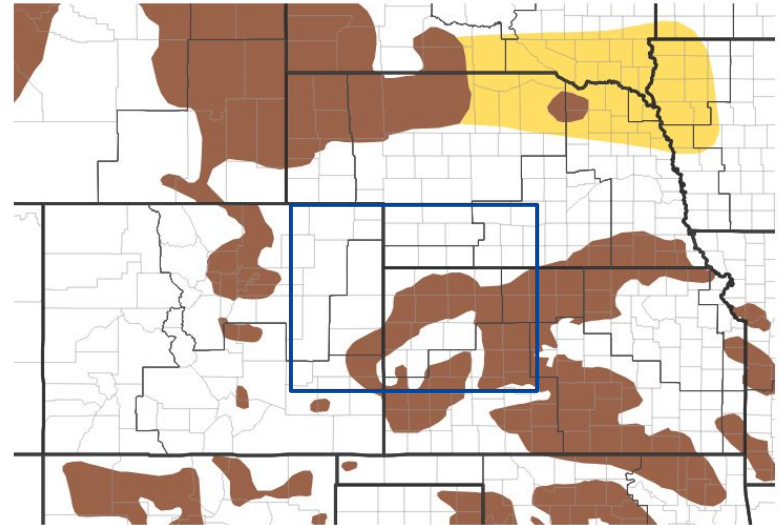


Drought Outlook

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

- Drought for the month is currently forecast to persist where it is already present.
- The downward trend of our average temperatures may help in areas remaining out of drought despite the forecasted signal for below normal temperatures.

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

Image Caption:

Climate Prediction Center Monthly Drought Outlook Released **Aug 31, 2024**

Valid: **September 2024**

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
Goodland



Contact Information

For feedback, comments, questions specific to the Drought Information Statement please reach out to:

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