



Drought Information Statement for Northeastern Wyoming and Western South Dakota

Valid October 11, 2024

Issued By: National Weather Service Rapid City, SD

Contact Information: nws.rapidcity@noaa.gov

- This product will be updated November 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/unr/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
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- Exceptional (D4) Drought to Abnormally Dry (D0) Conditions extend across all of northeastern Wyoming and most of western South Dakota.
 - Hot temperatures continue to exacerbate drought conditions.



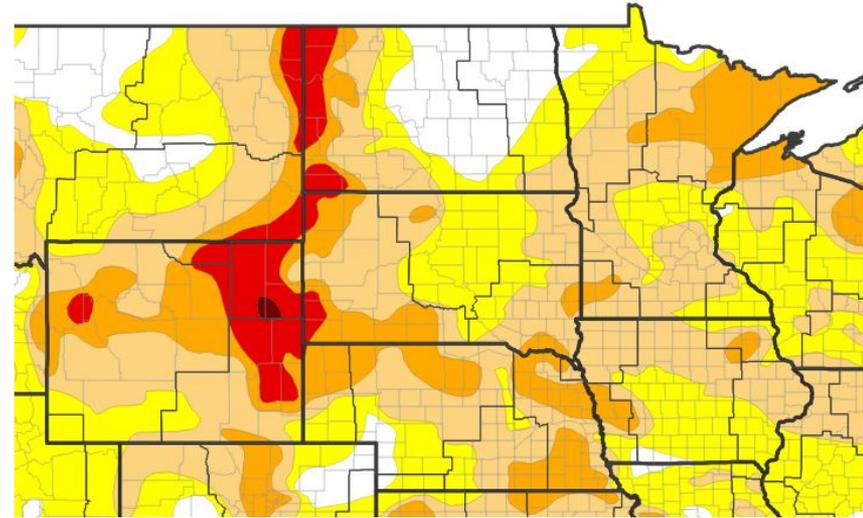


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for northeastern Wyoming and western South Dakota

- Drought intensity and Extent
 - **D4 (Exceptional Drought):** Portions of southeastern Campbell and southwestern Weston.
 - **D3 (Extreme Drought):** Portions of Weston, Campbell, Crook, far western Pennington, Harding, Custer, and Fall River Counties.
 - **D2 (Severe Drought):** Portions of counties along the Wyoming/South Dakota border, northwestern South Dakota and south central South Dakota.
 - **D1 (Moderate Drought):** Portions of Perkins, Butte, Meade, Pennington, Lawrence, Jackson, Haakon, Tripp, and Crook Counties.
 - **D0: (Abnormally Dry):** eastern Haakon County.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 10/08/24

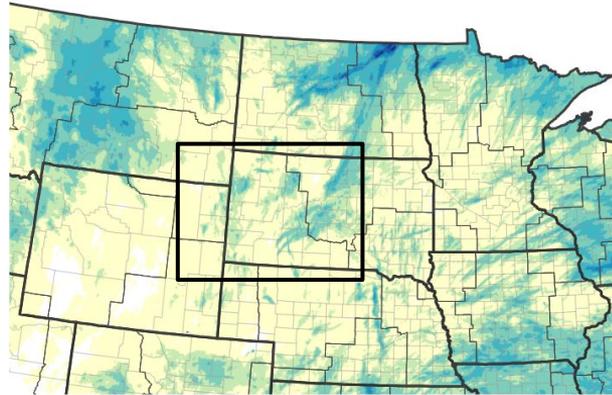




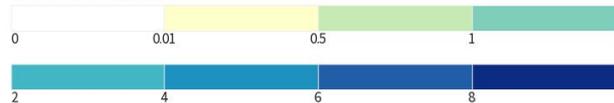
Precipitation: Last 30 Days

- Below normal precipitation the past 30 days across northeastern Wyoming and western South Dakota.
- Some pockets of above average precipitation across the western South Dakota plains, but not enough to help drought conditions.

30-Day Precipitation Accumulations (Inches)

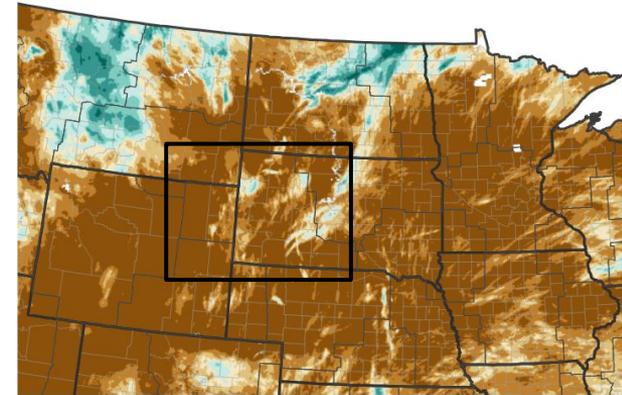


Inches of Precipitation

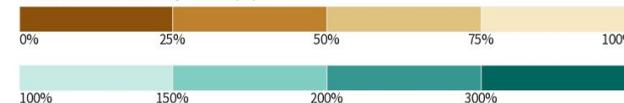


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 10/15/24

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: 10/15/24





Summary of Impacts

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

Hydrologic Impacts

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

Agricultural Impacts

- USDA Crop Progress and Condition reports: [South Dakota](#) and [Wyoming](#).

Fire Hazard Impacts

- [Black Hills National Forest Enters Stage II Fire Restrictions](#).
- Please visit [Great Plains Fire Information](#) for the latest fire restrictions.

Other Impacts

- Current 100- and 1000-hr fuels are very dry and herbaceous fuels continue to cure.

Mitigation Actions

- “None reported”



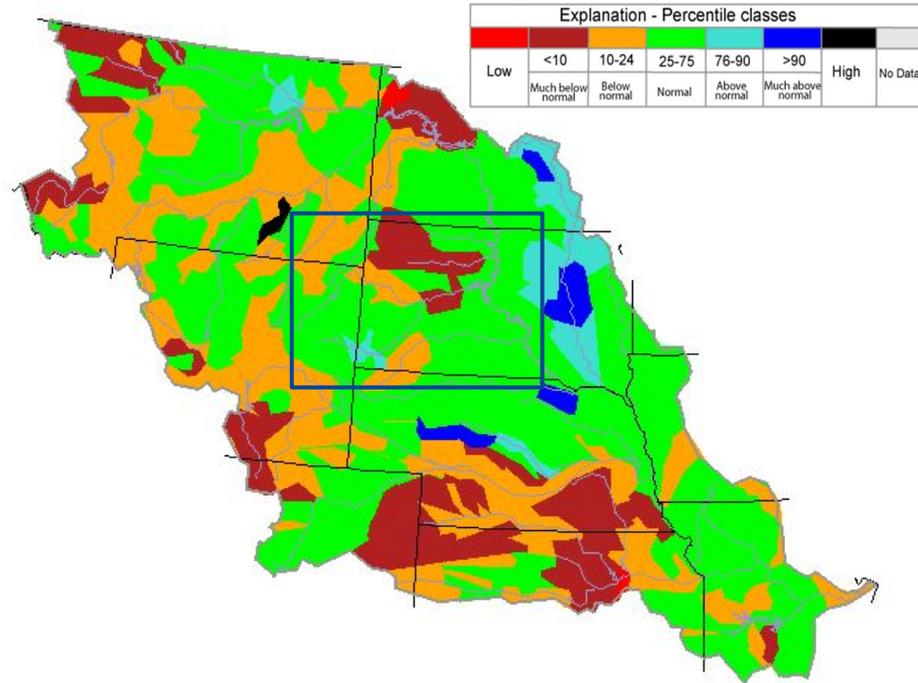


Hydrologic Conditions and Impacts

- USGS 7-day average streamflow HUC map compared to historical streamflow for the day of the year.

River Basin	7-day Average Streamflow
Powder	Below Normal
Little Missouri	Below Normal to Normal
Belle Fourche	Below Normal
Grand	Much Below Normal
Moreau	Much Below Normal
Cheyenne	Much Below Normal to Normal
White	Below Normal to Normal
Keyapaha	Normal

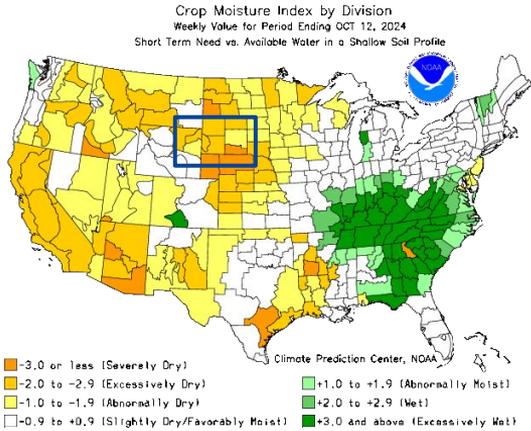
Monday, October 14, 2024



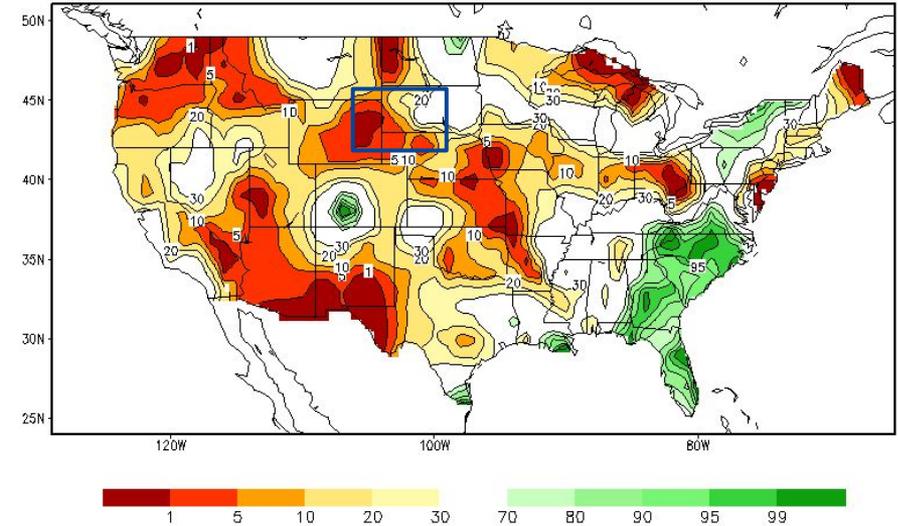


Agricultural Impacts

- USDA Crop Progress and Conditions Reports for [South Dakota](#) and [Wyoming](#).



Calculated Soil Moisture Ranking Percentile
OCT 14, 2024



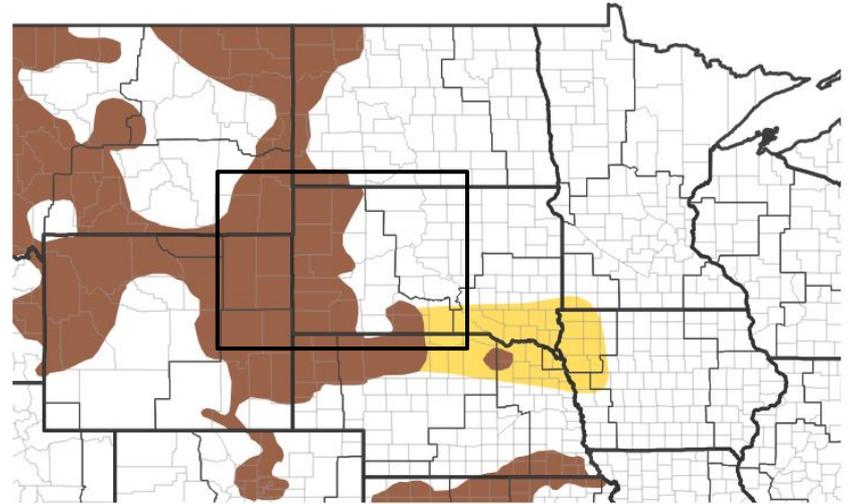


Drought Outlook

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

- Drought conditions are expected to persist over northeastern Wyoming and western South Dakota.
- Drought conditions will likely to continue to develop over south central South Dakota.

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](#)

