

# Drought Information Statement for Western & Central Wyoming

Valid August 9, 2024

Issued By: WFO Riverton, WY

## Contact Information:

- This product will be updated by August 23, 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/riw/DroughtInformationStatement> for previous statements.
  - Please visit <https://www.drought.gov/drought-status-updates> for regional drought status updates.
- 
- Severe (D2) drought conditions developed in Park and Teton counties
  - Moderate (D1) drought conditions continue across Teton, Park, Sublette, and Lincoln Counties. Fremont, Natrona, Johnson, Hot Springs, and Big Horn Counties also have small areas of moderate drought conditions.
  - Abnormally Dry conditions remain across most of the state with the only exception being parts of Sweetwater County.

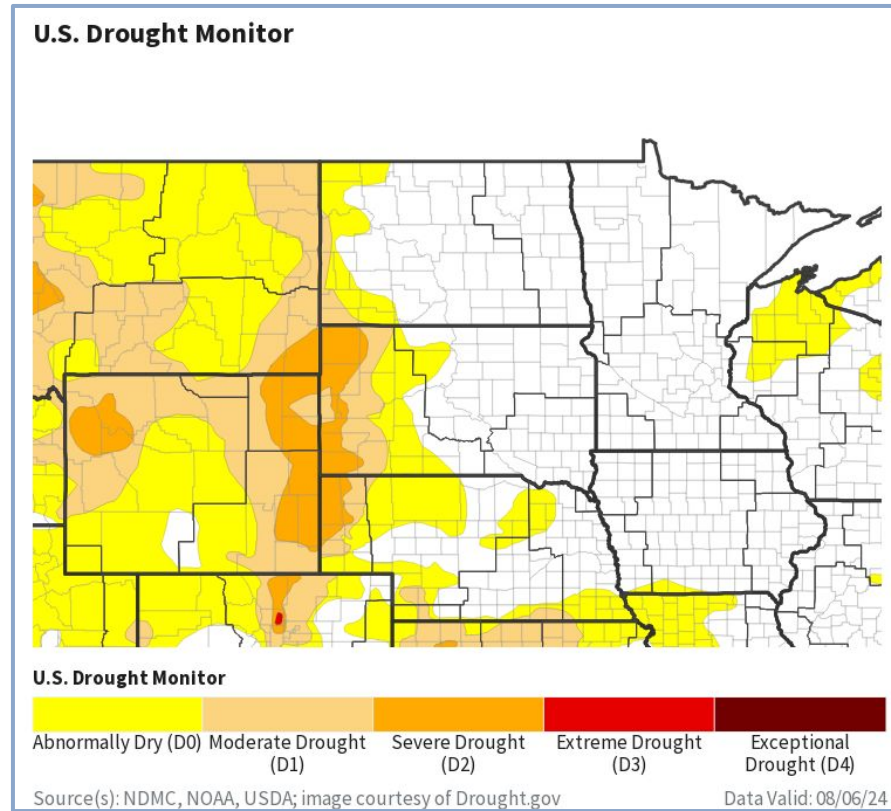




# U.S. Drought Monitor

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

- Drought intensity and Extent
  - **D4 (Exceptional Drought):** None occurring.
  - **D3 (Extreme Drought):** None occurring.
  - **D2 (Severe Drought):** Portions of Teton, Park and Fremont Counties as well as along the eastern border of Wyoming.
  - **D1 (Moderate Drought):** Areas of Lincoln to Sublette, Teton and Park counties. Western Fremont and Hot Springs counties. Big Horn, Johnson and northeast Natrona counties. This also includes nearly all eastern counties in Wyoming
  - **D0: (Abnormally Dry):** All other counties except a small section of Sweetwater County.





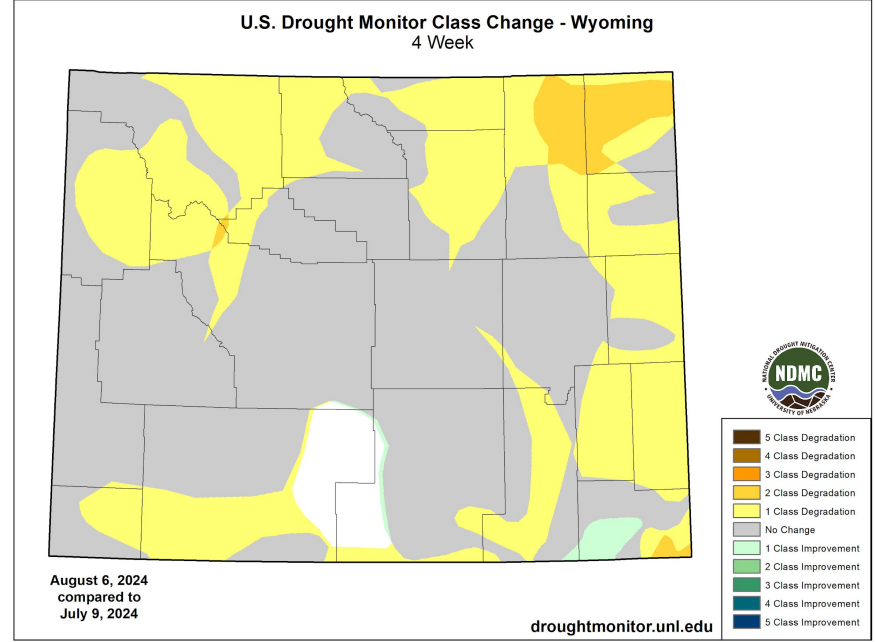
# Recent Change in Drought Intensity

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

## ● Four Week Drought Monitor Class Change

- **Drought Worsened:** Southern Sweetwater and eastern Unita counties, and across much of northern and eastern Wyoming.
- **No Change:** Across the far northwest and for much of the middle and southern areas of the state.
- **Drought Improved:** Only a couple small slivers of improvement in the southeast.

● **Persistent high pressure remained over the western CONUS keeping conditions mainly hot and dry.** As a result, many places have seen limited precipitation chances and near record heat.

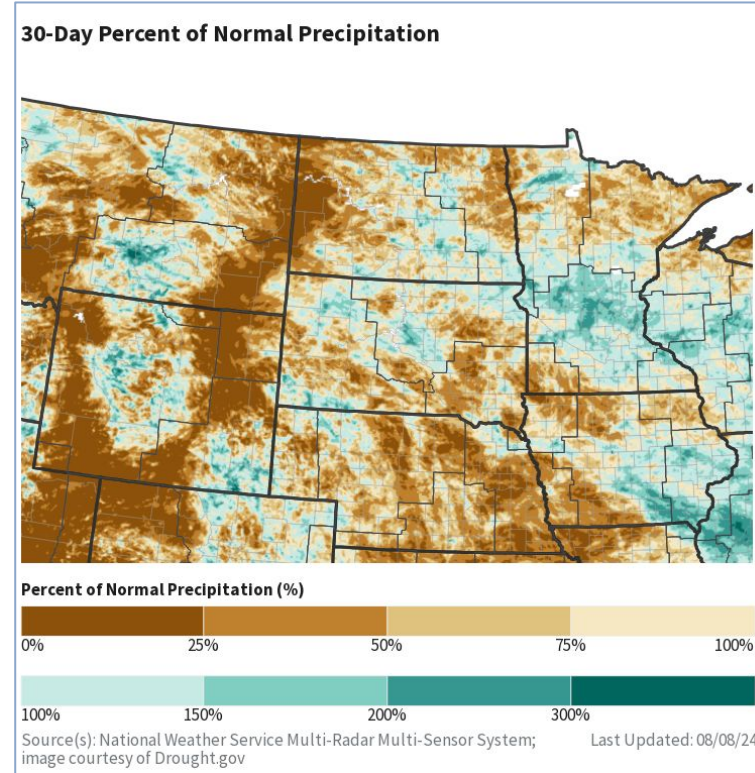
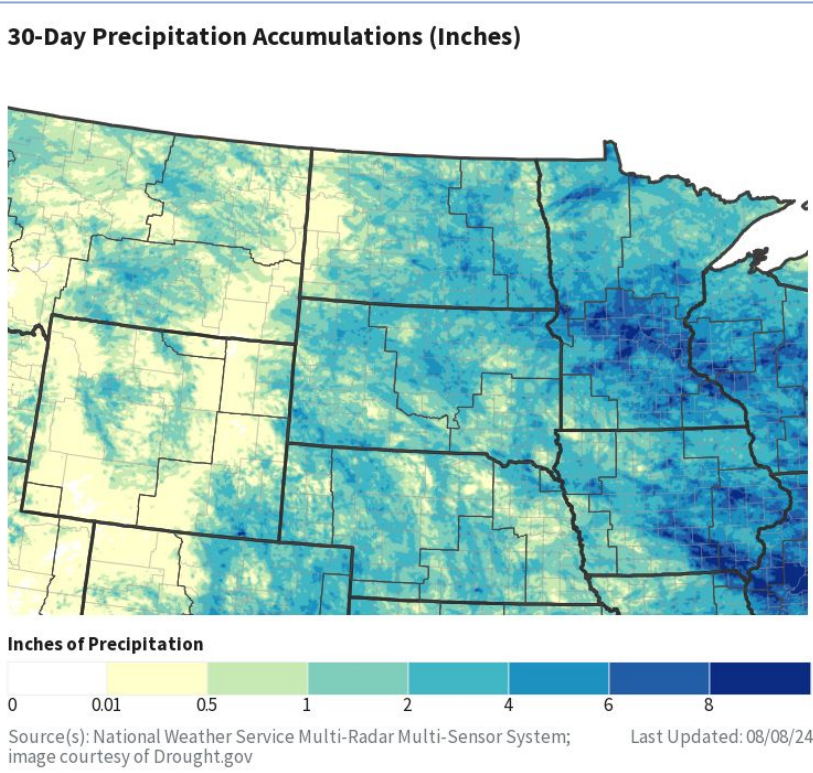




# Precipitation

Much of Wyoming had below normal precipitation over the past 30 days.

Above normal precipitation was mainly focused over northern Sweetwater, and portions of Fremont, Hot Springs, Big Horn and western Natrona Counties.





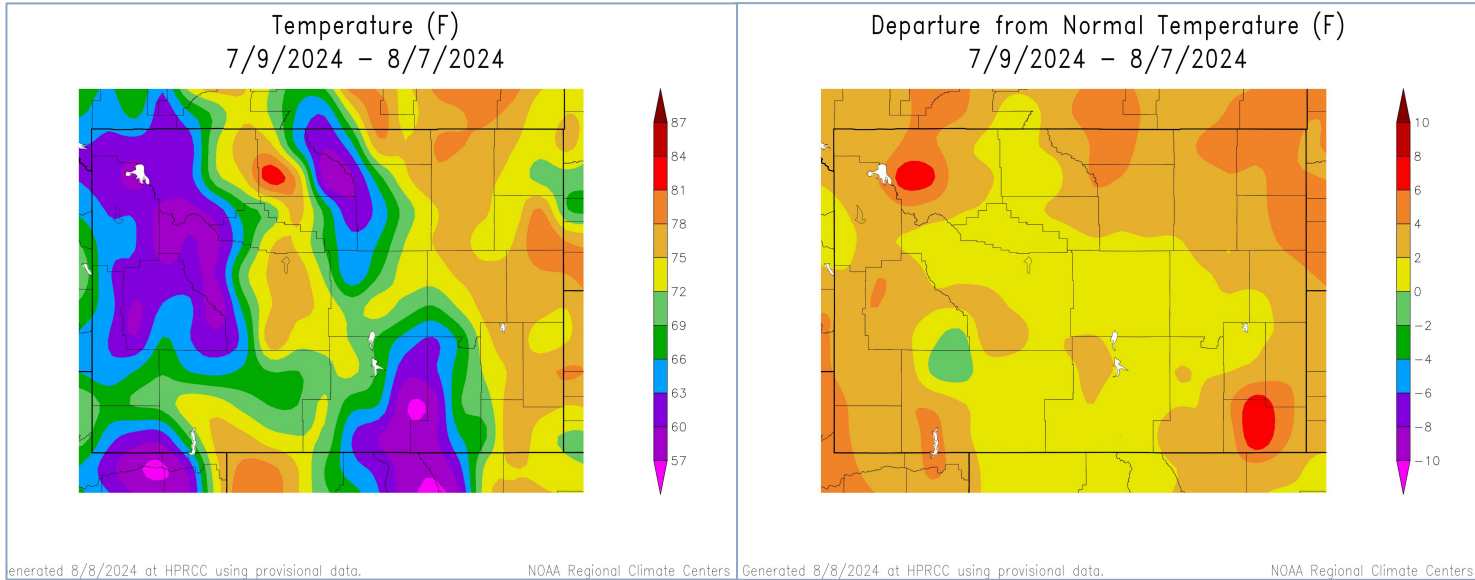


# Temperature

Link to [ACIS Climate Maps from the High Plains Regional Climate Center](#)

Park County was the hot spot with 6-8 degrees above normal. Teton, Lincoln, Sublette, Johnson, Washakie, Big Horn, and Sweetwater Counties saw temperatures 2-6 degrees above normal. The remainder of the state was 0-2 degrees above normal.

Below average temperatures were only noted over the high elevations of Sublette and Sweetwater counties.





# Summary of Impacts (graphics on following slides)

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

## Hydrologic Impacts

- Conditions are expected to remain dry across much of the state with some areas seeing worsening drought conditions through the middle of August.
- Any flooding would be the result of thunderstorms producing heavy rainfall over a short period of time.

## Agricultural Impacts

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

## Fire Hazard Impacts

- The far southwest areas of the state have small chances with low humidity and gusty winds, but not showing any significant impacts at this time ([Most recent Significant Wildland Fire Potential Outlook](#))

## Other Impacts

- Wildland grasses and shrubs have reached critical criteria across many areas in the state with further drying expected.

## Mitigation Actions

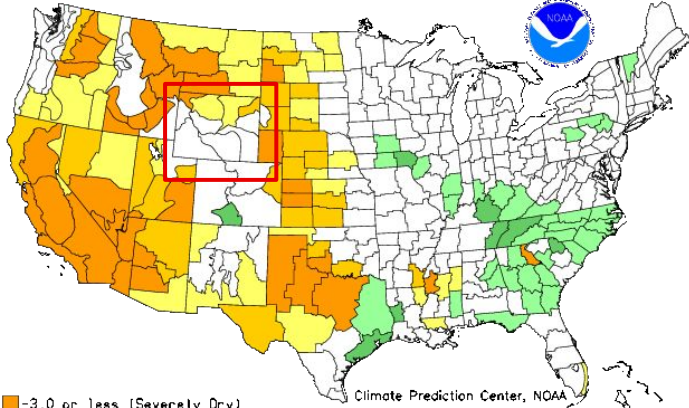
- Please refer to your municipality and/or water provider for mitigation information
- Clear debris from around structures to protect from potential wildfires





# Agricultural Impacts

Crop Moisture Index by Division  
Weekly Value for Period Ending AUG 3, 2024  
Short Term Need vs. Available Water in a Shallow Soil Profile

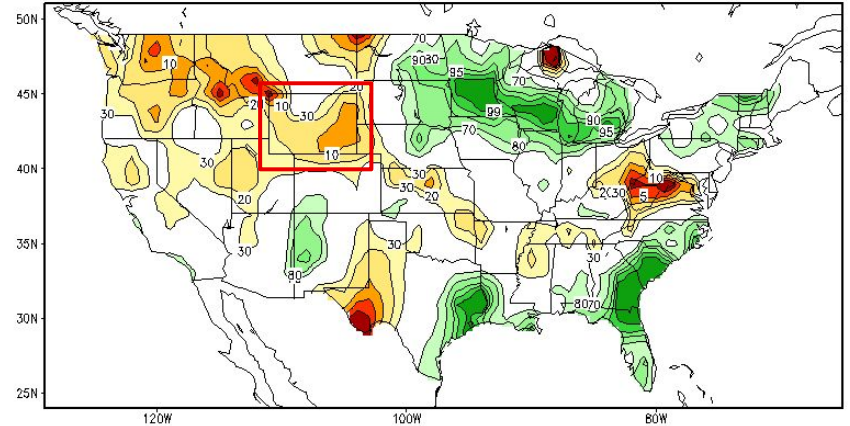


- -3.0 or less (Severely Dry)
  - -2.0 to -2.9 (Excessively Dry)
  - -1.0 to -1.9 (Abnormally Dry)
  - -0.9 to +0.9 (Slightly Dry/Favorably Moist)
  - +1.0 to +1.9 (Abnormally Moist)
  - +2.0 to +2.9 (Wet)
  - +3.0 and above (Excessively Wet)
- Climate Prediction Center, NOAA

- The lack of significant precipitation has impacted areas of northern and eastern Wyoming

- Short-term water need vs. Available Water in a Shallow Soil profile is trending dry.

Calculated Soil Moisture Ranking Percentile  
AUG 07, 2024

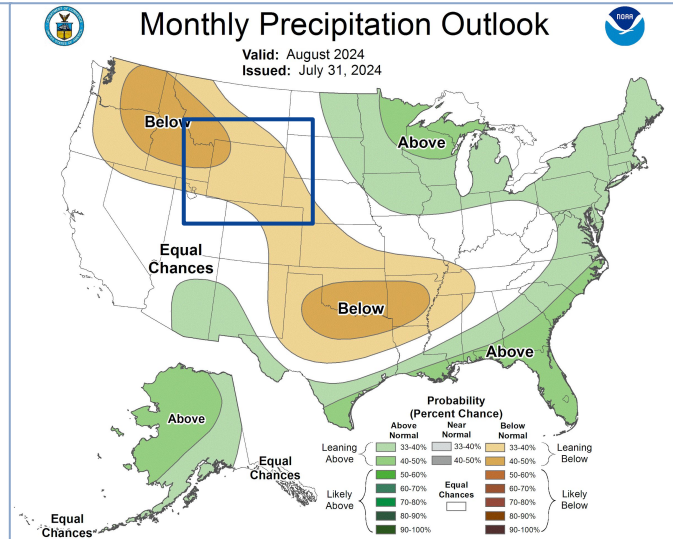
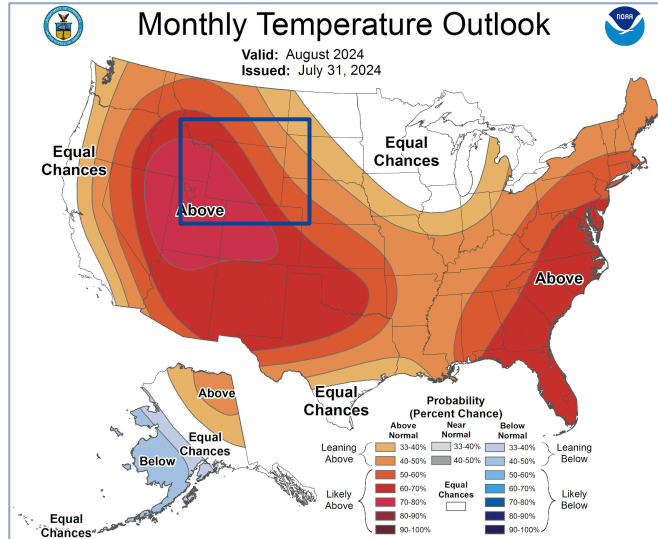




# Long-Range Outlooks

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

- Temperatures for August are expected to trend above normal, with much of the area having a 50-70% chance of warmer-than-normal temperatures.
- August precipitation chances are leaning toward below normal amounts with a 33-40% chance.





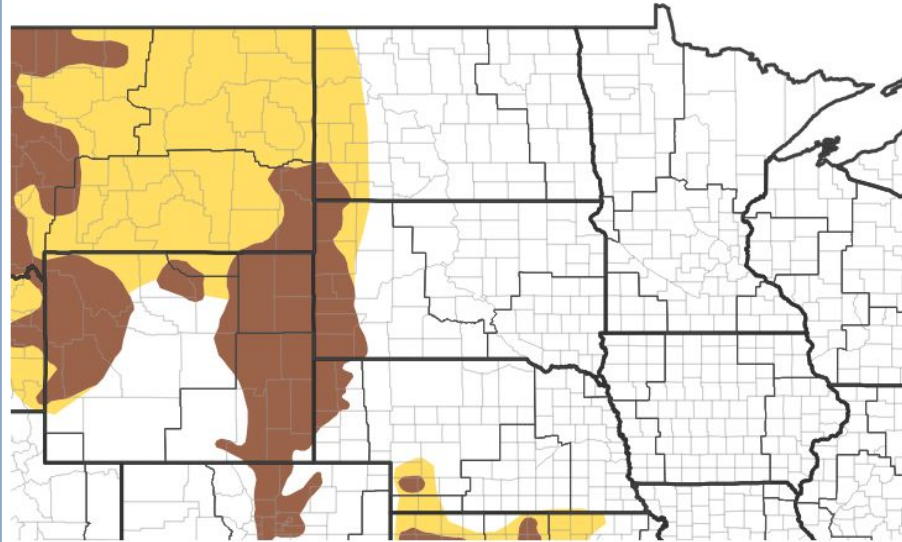


# Drought Outlook

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

- Drought conditions are expected to further develop or persist over the west and far north, as well as the eastern counties

## 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  
Riverton, Wyoming