



Drought Information Statement for Tri-State Area

Valid November, 04, 2024

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 has continued to worsen across most of the area.
 - An active start to November may help temper further degradation.





U.S. Drought Monitor

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

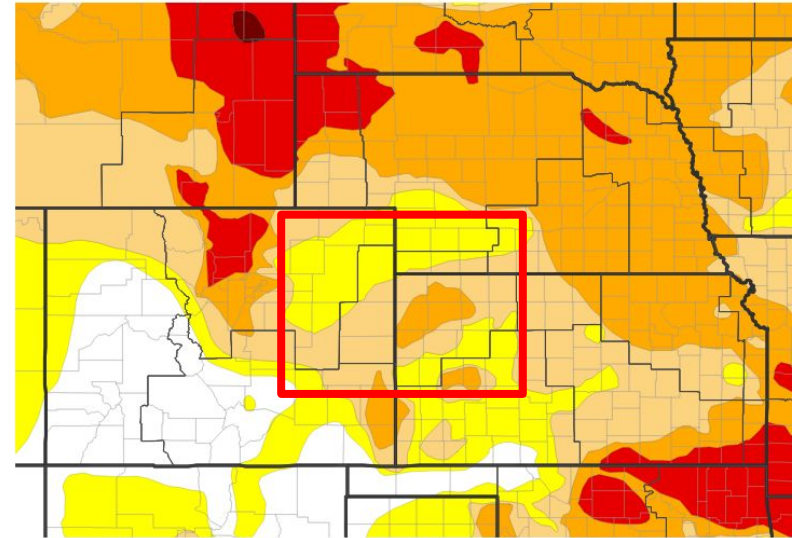
- Drought intensity and Extent

D2 (Severe Drought): Cheyenne (KS), Rawlins, Decatur, Sheridan, Thomas, Wallace

D1 (Moderate Drought): Dundy, Hitchcock, Red Willow, Norton, Graham, Logan, Greeley, Kit Carson, Yuma, Cheyenne (CO)

D0: Gove and Wichita

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 10/29/24

Image Caption: Goodland County Warning Area Drought Monitor. Valid 6am MDT Nov 04, 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, Kit Carson, Cheyenne (KS), Dundy, Hitchcock, Red Willow, Sherman, Wallace, Thomas, Logan, Gove, Greeley, Decatur, Norton, Wichita.

Local 2 Class Degradation: Logan, Kit Carson

No Change: Graham

Drought Improved: Cheyenne (CO)

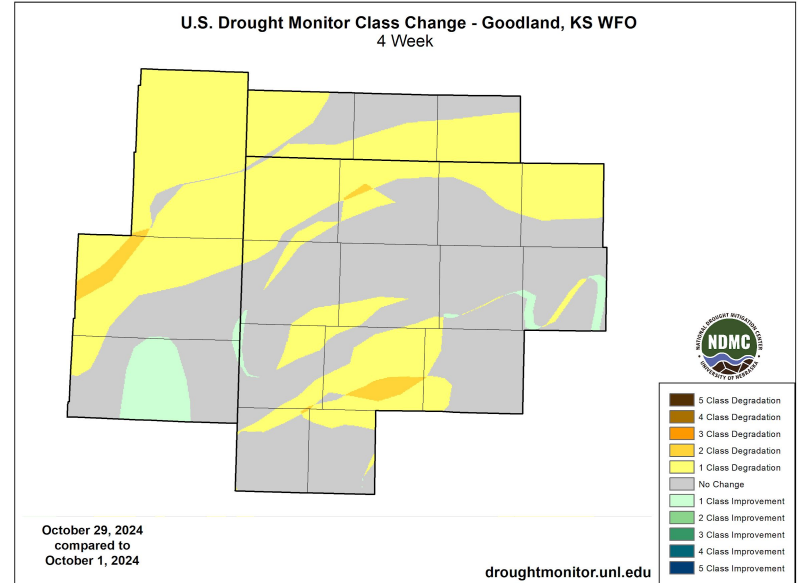


Image Caption: U.S. Drought Monitor 4-week change map valid 6am MDT Nov 04, 2024

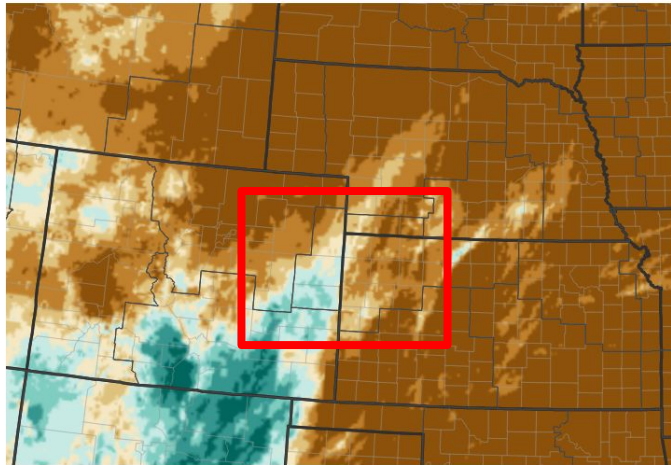




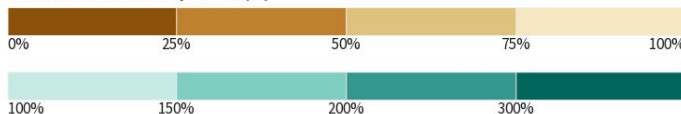
Precipitation

- Most of the Plains were well below their normal precipitation for the month; the exception was across southern Colorado including Cheyenne county (CO).
 - This is where the drought did improve as Cheyenne county received 1-2 inches of rainfall with a system.

30-Day Precipitation: Percent of PRISM Normal

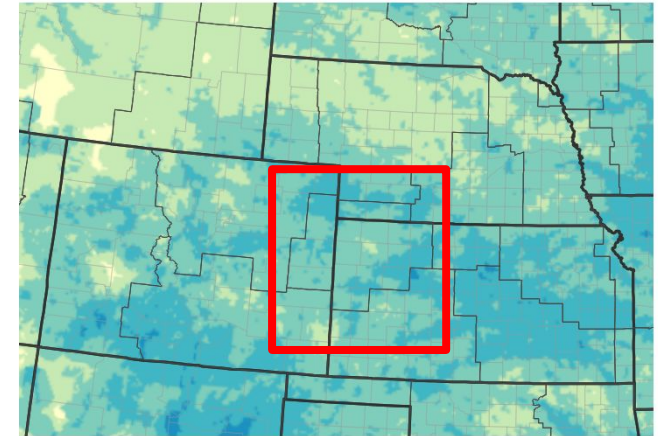


Percent of Normal Precipitation (%)

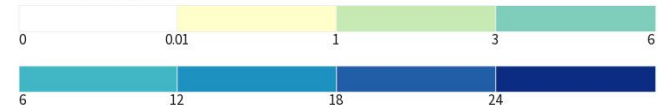


Source(s): National Weather Service National Water Prediction Service; Data Valid: 10/27/24

NWPS 90-Day Precipitation Accumulations (inches)



Inches of Precipitation



Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 10/27/24

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:

Nov 04 2024

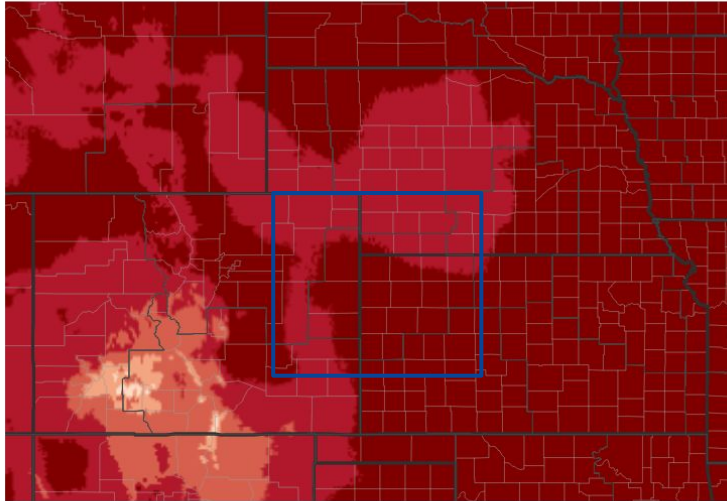




Temperature

- Above to well above normal temperatures were also the norm for the region as well.
- It is also interesting to see how the rainfall across southern Colorado and up into Cheyenne county Colorado skewed the departure from normal max temperatures some.

30-Day Temperature Anomaly

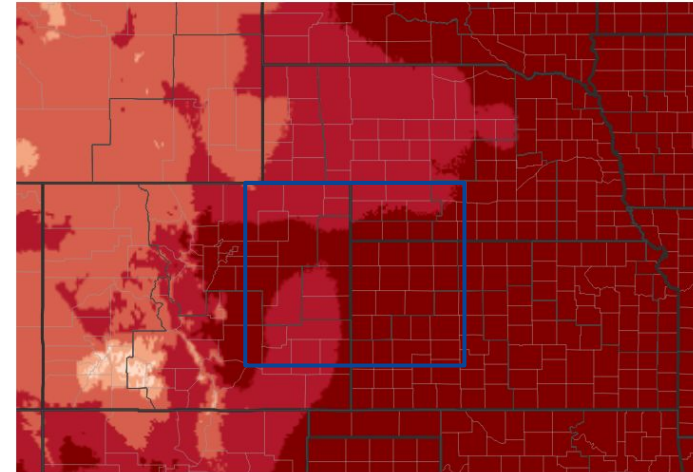


Departure from Normal Max Temperature (°F)

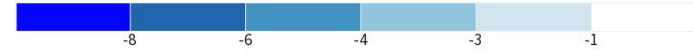


Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov Data Valid: 10/31/24

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: 10/31/24

Image Captions:

Right - 7 Day Temperature Anomaly

Left - 30 Day Temperature Anomaly

Data Courtesy High Plains Regional Climate Center. Date Valid:
Nov 04 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

- From recent discussions from the Kansas and Colorado forecast services said that all fuels are receptive to rapid fire spread.

Other Impacts

- There are no known impacts at this time

Mitigation Actions

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

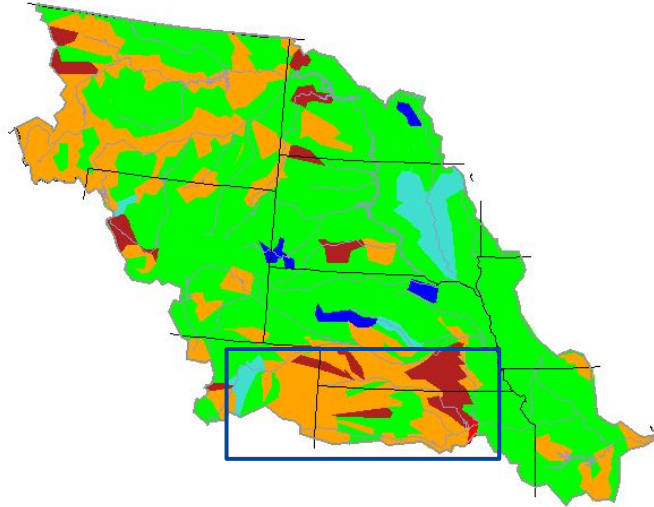




Hydrologic Conditions and Impacts

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

Sunday, November 03, 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 Nov 04 2024





Agricultural Impacts

- No improvement has been made to soil moisture with the lack of rainfall and the above normal temperatures.

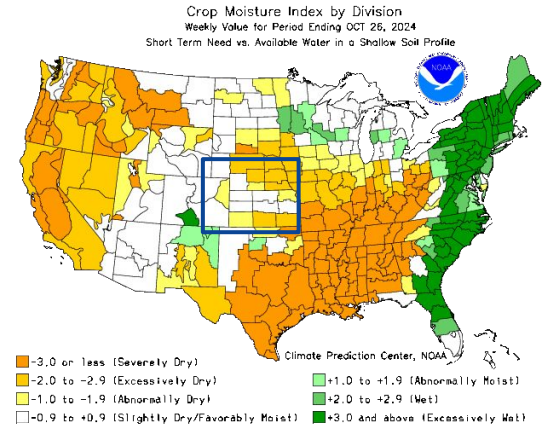
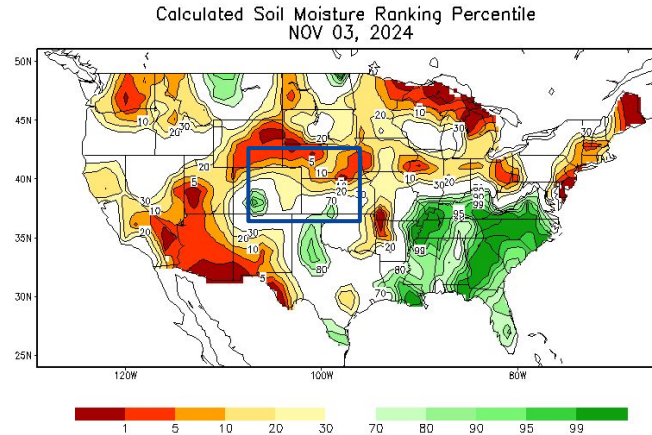


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid Nov 04 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending Oct 26, 2024





Fire Hazard Impacts

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

- Despite the feedback from the forest services for fuels across the Tri-State area; the Significant Wildland Fire Potential Outlook for the months favors the eastern CONUS.

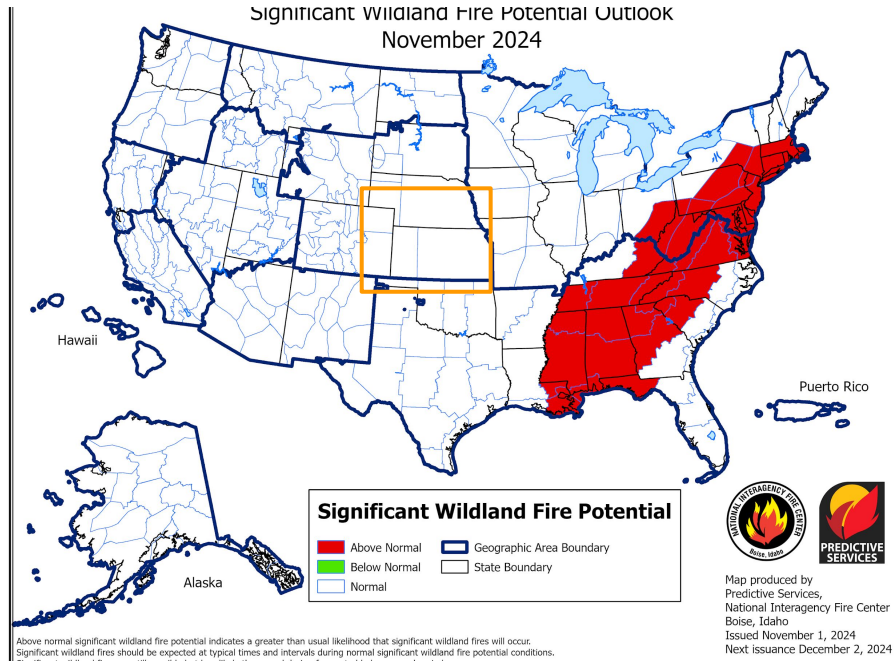


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for November 2024

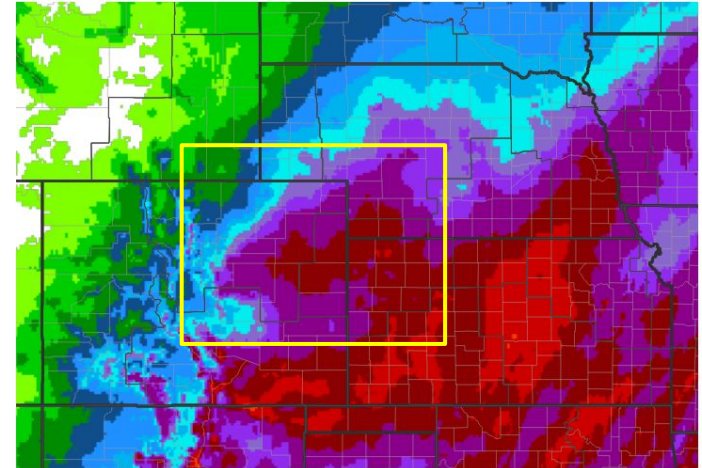




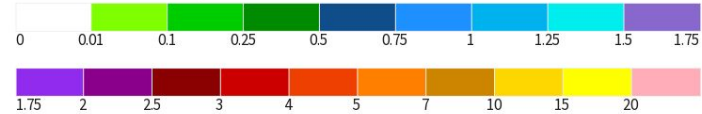
Seven Day Precipitation Forecast

- As mentioned earlier there is the potential for the area to receive beneficial moisture to start the month in form of rain and snow.
- There are still discrepancies on the paths the upcoming system may take which may lead to lesser or possibly more precipitation.

7-Day Quantitative Precipitation Forecast for November 4, 2024–November 11, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov Last Updated: 11/04/24

Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Monday November 4 to Monday November 11



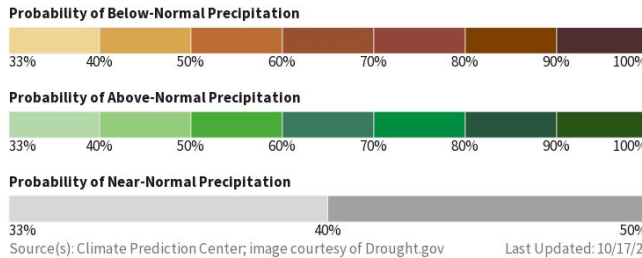
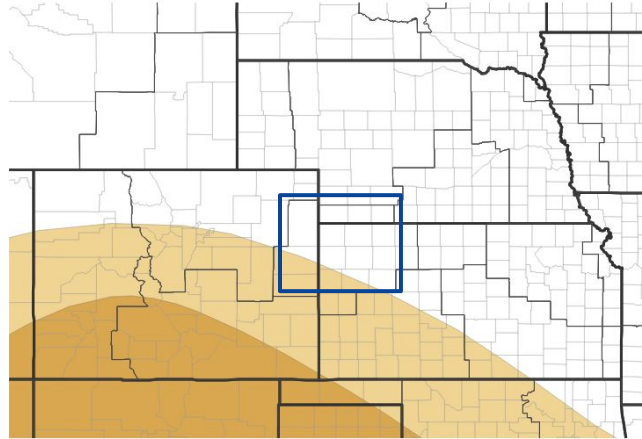


Long-Range Outlooks

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

- The seasonal outlooks currently favor below to near normal precipitation through the end of January and favor above normal temperatures.
- A weaker La Nina signal is currently favoring a more highly variable precipitation outlook which is the reasoning for the near normals

Seasonal (3-Month) Precipitation Outlook for November 1, 2024–January 31, 2025



Seasonal (3-Month) Temperature Outlook for November 1, 2024–January 31, 2025

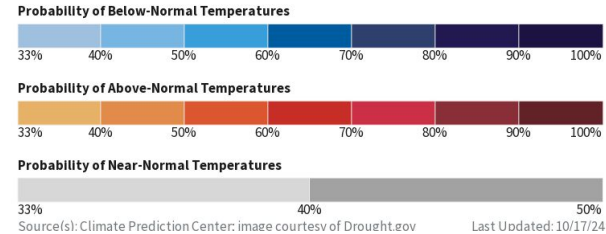
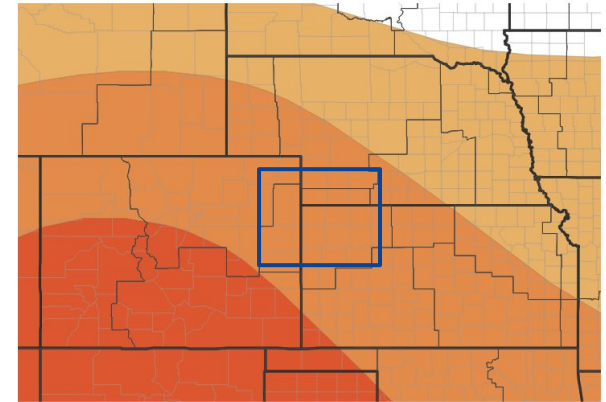


Image Captions:

- Left - [Climate Prediction Center Monthly Temperature Outlook](#), Valid November 2024
- Right - [Climate Prediction Center Monthly Precipitation Outlook](#), Valid November 2024



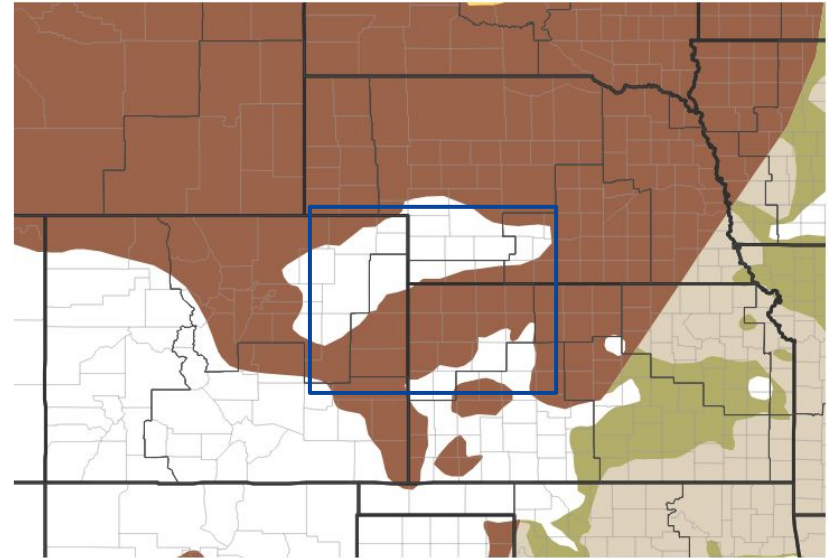


Drought Outlook

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

- Drought is forecasted to persist through the month and through the end of January.
- There may be some local improvements if systems and precipitation can align properly however.

1-Month Drought Outlook for November 1, 2024–November 30, 2024



Drought Is Predicted To...



Image Caption: Climate Prediction Center Monthly Drought Outlook Released **November 30, 2024**
Valid: **November 2024**

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)



Contact Information

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

nws.goodland@noaa.gov

