



Drought Information Statement for Tri-State Area

Valid January, 02, 2025

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 not worsened or improved this past month.
 - After a wet November, a dry December was observed with some locales receiving no precipitation.





U.S. Drought Monitor

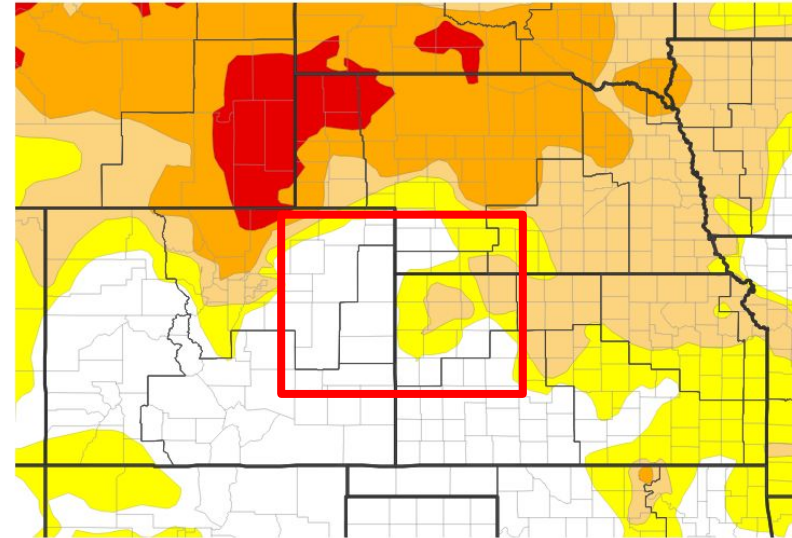
Link to the [latest U.S. Drought Monitor](#) for High Plains

- Drought intensity and Extent

D1 (Moderate Drought): Red Willow, Norton, Graham, Decatur, Sheridan, Rawlins, Thomas

D0: Dundy, Hitchcock, Cheyenne (KS), Sherman, Wallace, Logan, Gove

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov Data Valid: 12/24/24

Image Caption: Goodland County Warning Area Drought Monitor. Valid 6am MDT Jan 02, 2025



Recent Change in Drought Intensity

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

- 4 Week Drought Monitor Class Change.

Drought Worsened:

No Change: Entire area where drought remains

Drought Improved:

Despite the dry conditions, with most if not all vegetation in winter dormancy there is little in the way of drought change currently. However, if the dryness continues then some changes may be needed.

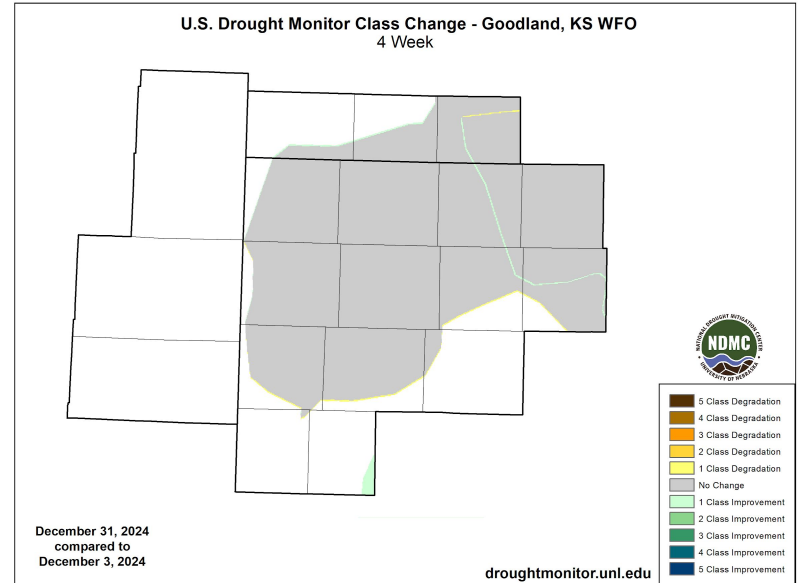


Image Caption: U.S. Drought Monitor 4-week change map valid 6am MDT Jan 02, 2025





Precipitation

- Most if not all of the region was below normal precipitation.
- Some ASOS sites in our forecast area received very little or no precipitation for the month.

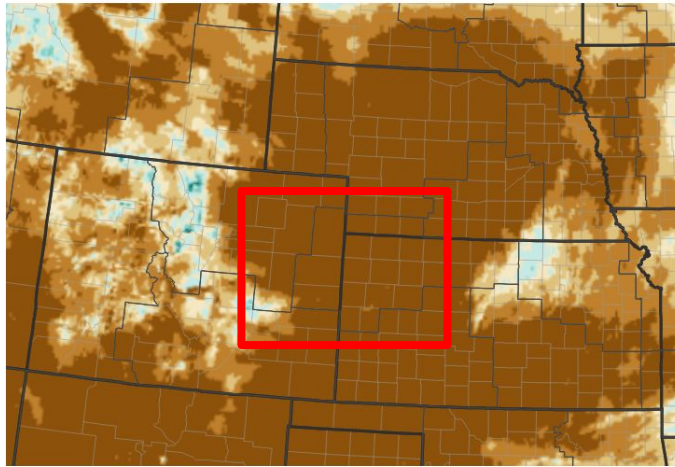
Goodland: 0.04 inches

Burlington: 0.00 inches. The first time since 1981 no precipitation fell in Burlington in December.

McCook: 0.00 inches. The last time no precipitation fell in December was 1928.

Hill City: 0.02 inches

30-Day Precipitation: Percent of PRISM Normal

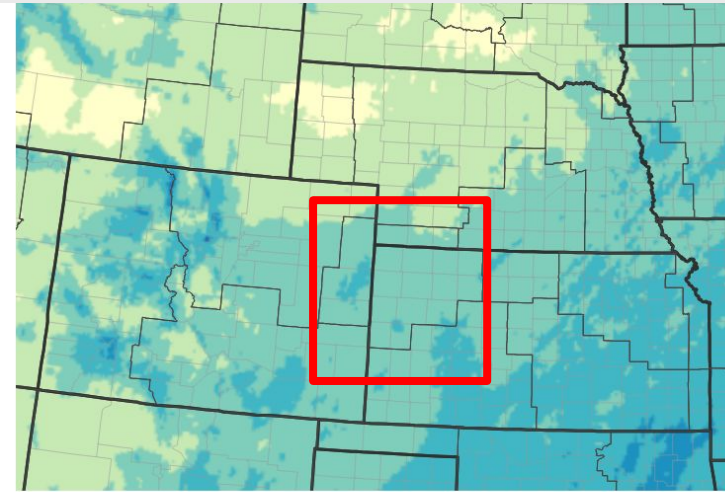


Percent of Normal Precipitation (%)

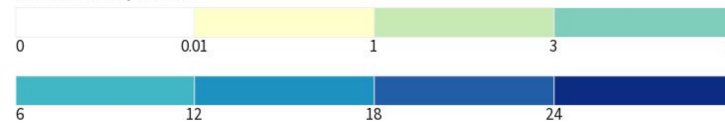


Source(s): National Weather Service National Water Prediction Service;

Data Valid: 12/31/24



Inches of Precipitation



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

Data Valid: 12/30/24

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:

Jan 02 2025

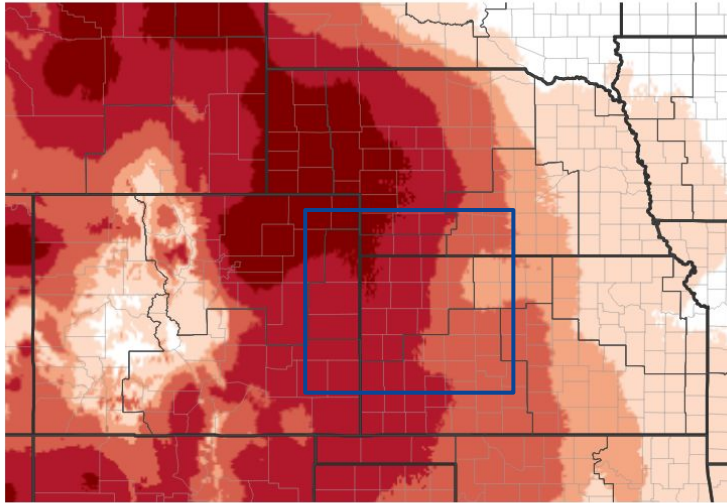




Temperature

- Virtually all of the High Plains saw above normal temperatures for the month of December.
- For Goodland, this was the 4th warmest December on record with a mean temperature of 38.1. And McCook it is the 5th warmest on December with a 36.6 mean temperature.
- Colder temperatures are favored for January however.

30-Day Temperature Anomaly



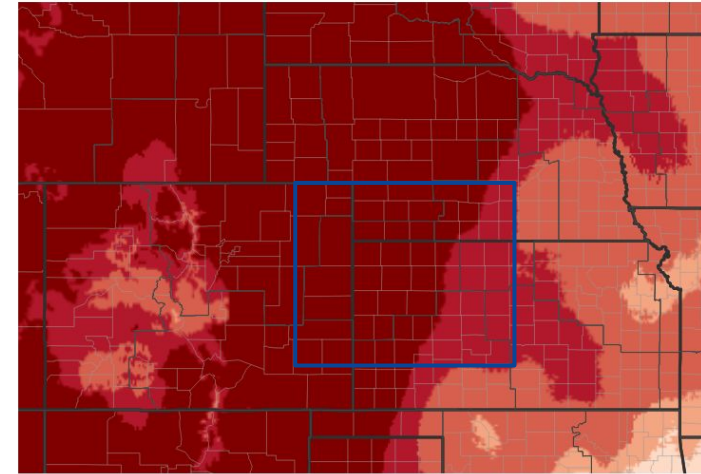
Departure from Normal Max Temperature (°F)



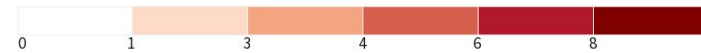
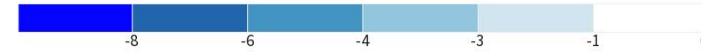
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 12/28/24

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: 12/28/24

Image Captions:

Right - 7 Day Temperature Anomaly

Left - 30 Day Temperature Anomaly

Data Courtesy High Plains Regional Climate Center. Date Valid: Jan 02 2025





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

- With vegetation dormant and the dry spell of December, fire weather will be of concern.

Other Impacts

- There are no known impacts at this time

Mitigation Actions

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

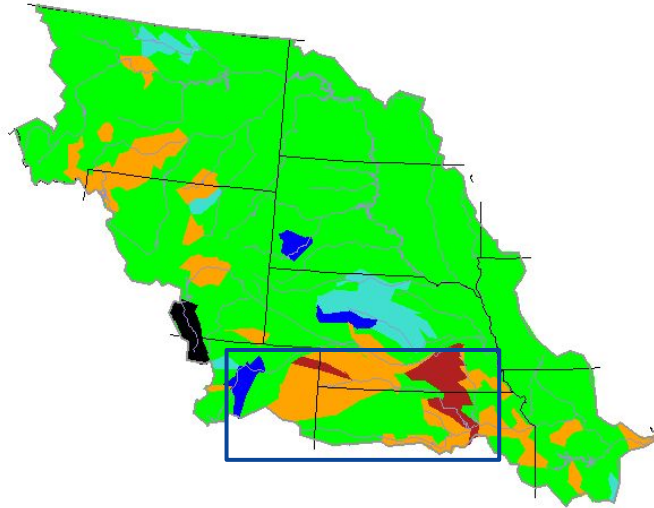




Hydrologic Conditions and Impacts

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

Tuesday, December 31, 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 Jan 02 2025





Agricultural Impacts

- Soil moisture remains dry for most of the area; with the exception being across souther portions of the Goodland forecast area and into SW Kansas which may still be feeling the effects of a wet Summer and November.

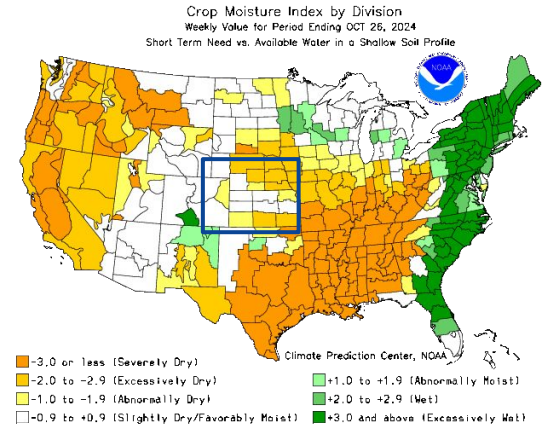
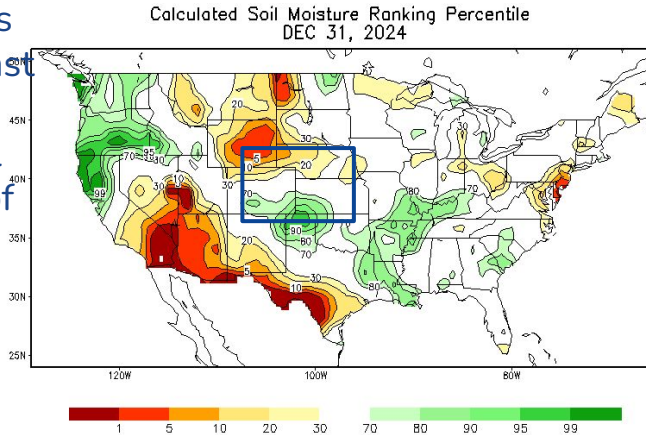


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid Jan 02 2025

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](#).

- No concern for significant wildland fire potential at this time as outlook by the National Interagency Fire Center.
- However; as mentioned before with the continued dry nature of the past month and the vegetation being dormant there still remains the concern for spreading fires.

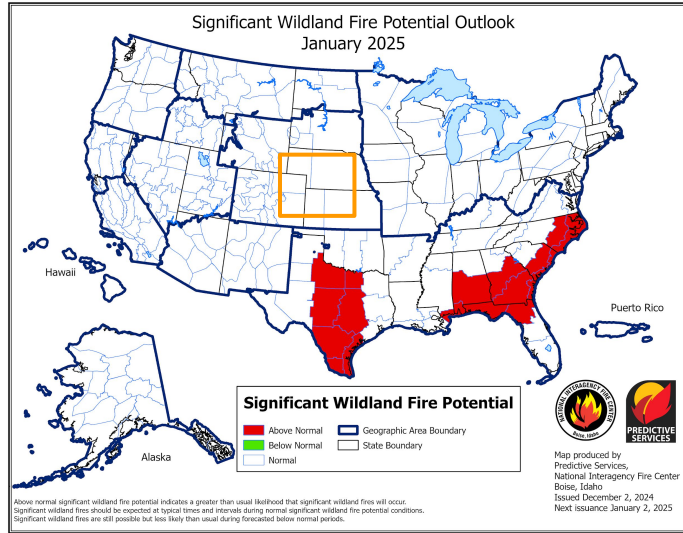


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for January 2025

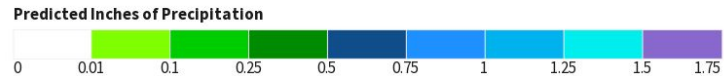
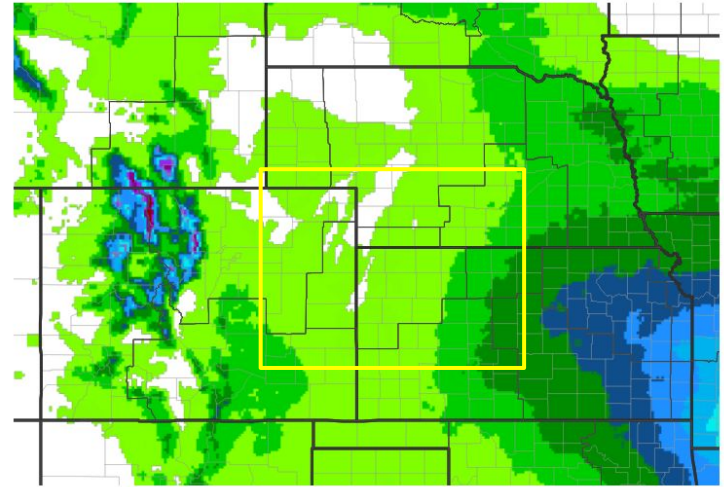




Seven Day Precipitation Forecast

- Light precipitation chances are forecast over the next week with the relative better chances being the first weekend of January.
- This does appear to be in the form of wintry weather. Precipitation amounts may increase or decrease as they will be highly dependent on the track of this upcoming system.

7-Day Quantitative Precipitation Forecast for January 1, 2025–January 8, 2025



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov Last Updated: 01/01/25

Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Wednesday Jan 1 to Jan 08

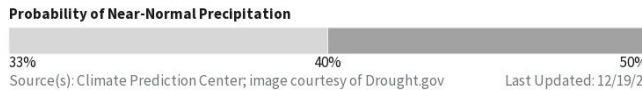
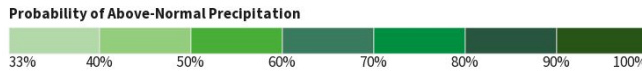
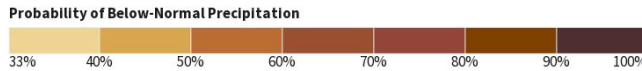
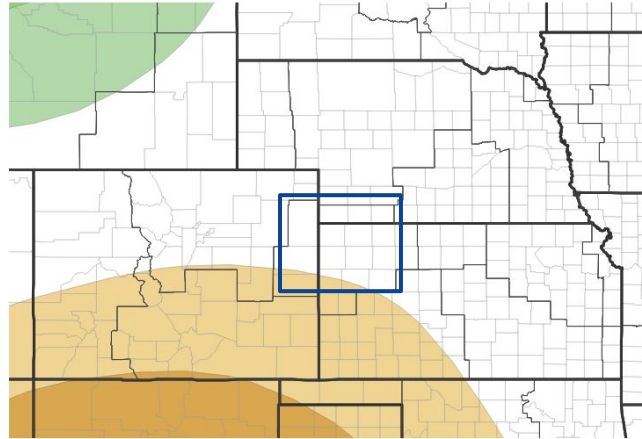


Long-Range Outlooks

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

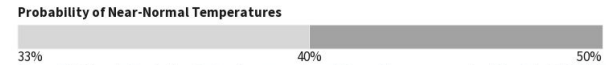
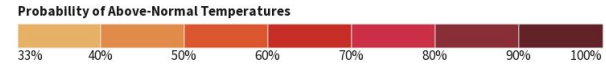
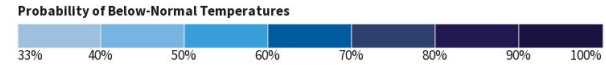
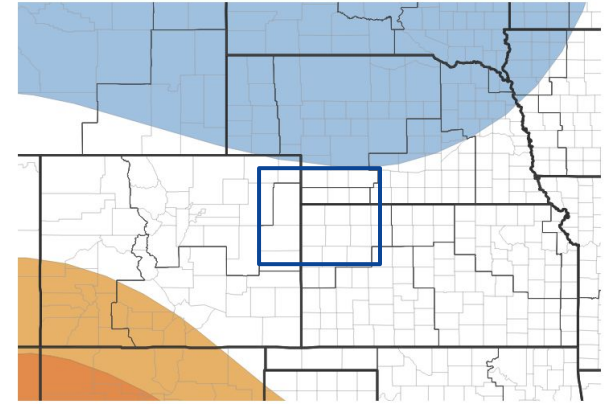
- Through the end of March the region doesn't have a strong signal either way for temperatures or precipitation.
- This means that the weather is going to be fairly short term dependent at this time.
- The favored below normal temperatures to the north of us however does bring my attention as there may be some instances of arctic air intrusions.

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



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 12/19/24

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



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 12/19/24

Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),
Right - [Climate Prediction Center Monthly Precipitation Outlook](#),
Valid January 2025



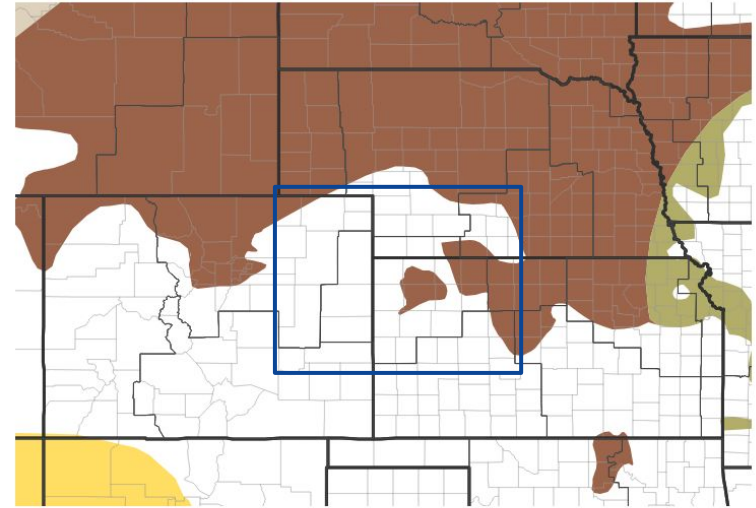


Drought Outlook

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

- With no clear cut signal at this time for below or above normal temperatures; drought is forecast to persist where it already resides.

Seasonal (3-Month) Drought Outlook for December 31, 2024-March 31, 2025



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 12/31/24

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released **Dec 31, 2024**

Valid: **January 2025**

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:

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