



Drought Information Statement for Western and North Central Nebraska

Valid November, 21, 2024

Issued By: NWS-North Platte, NE

Contact Information:

- This product will be updated December, 19, 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/LBF/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.
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- Extreme and severe drought conditions expand across a large portion of the Sandhills and north central Nebraska over the past month.
 - Some improvements in abnormally dry conditions noted in far southwestern Nebraska over the past month.



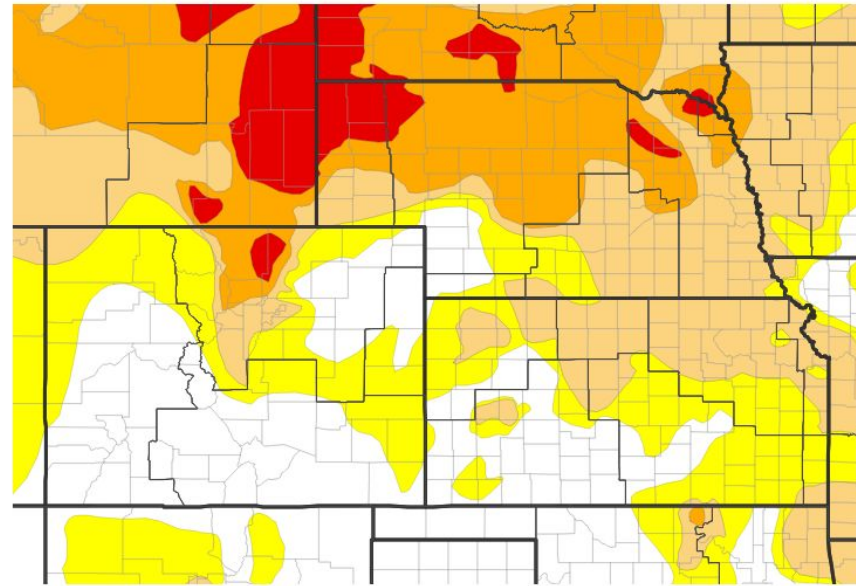


U.S. Drought Monitor

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

- Drought intensity and Extent
 - **D4 (Exceptional Drought)**: No counties in western and north central Nebraska.
 - **D3 (Extreme Drought)**: Northern portions of Sheridan.
 - **D2 (Severe Drought)**: Sheridan, Cherry, Brown, Rock, Keya Paha, Holt, Boyd, Wheeler, Garfield, Loup, Blaine Thomas, Hooker, Grant, Arthur, Mcpherson, Lincoln, Logan and Custer.
 - **D1 (Moderate Drought)**: Garden, Arthur, McPherson, Lincoln, Custer.
 - **D0: (Abnormally Dry)**: Garden, Deuel, Arthur, Keith, Hayes, Frontier and Lincoln.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 11/19/24

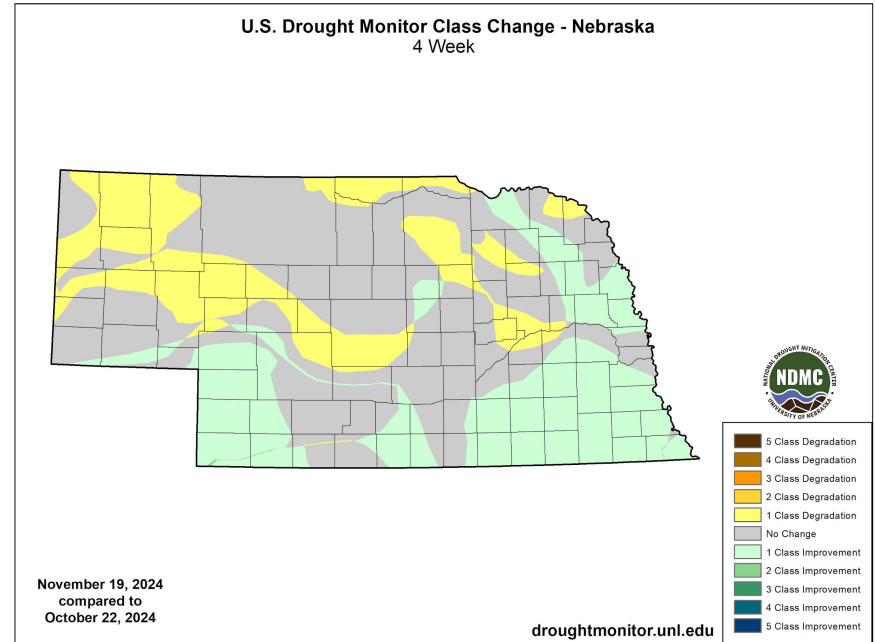




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for The High Plains

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Sheridan, Cherry, Keya Paha, Brown, Boyd, Holt, Wheeler, Hooker, Grant, Garden, Arthur, McPherson, Logan, Lincoln and Custer.
 - No Change: Sheridan, Cherry, Brown, Rock, Keya Paha, Boyd, Holt, Wheeler, Garfield, Loup, Blaine, Thomas, Hooker, Garden, Arthur, McPherson, Logan, Custer, Deuel, Keith, Lincoln and Frontier.
 - Drought Improved: Deuel, Garfield, Keith, Perkins, Chase, Hayes and Lincoln.

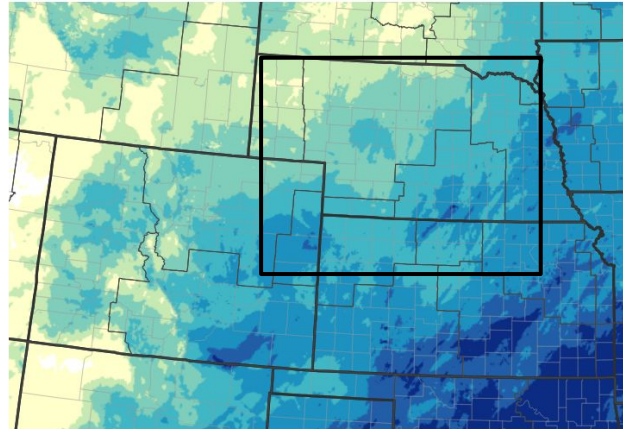




Precipitation

- Locations across most of western and north central Nebraska saw between 1 and 2 inches of rainfall over the past 30 days.
- Over far northern and northwestern Nebraska, amounts ranged from a half an inch to an inch.

30-Day Precipitation Accumulations (Inches)

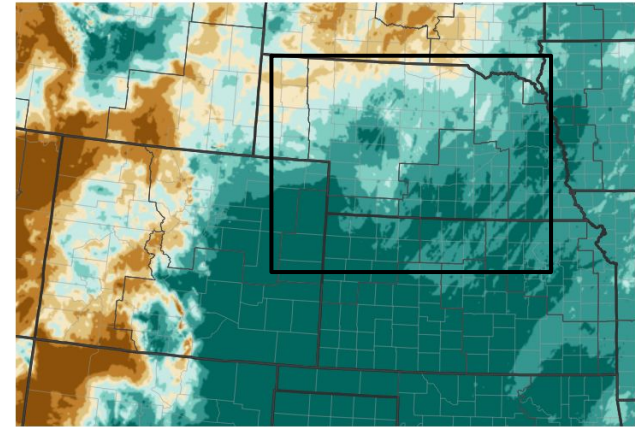


Inches of Precipitation

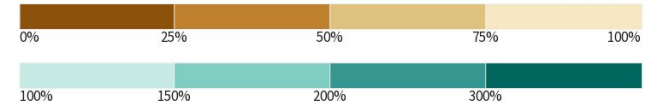


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/21/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/21/24
image courtesy of Drought.gov

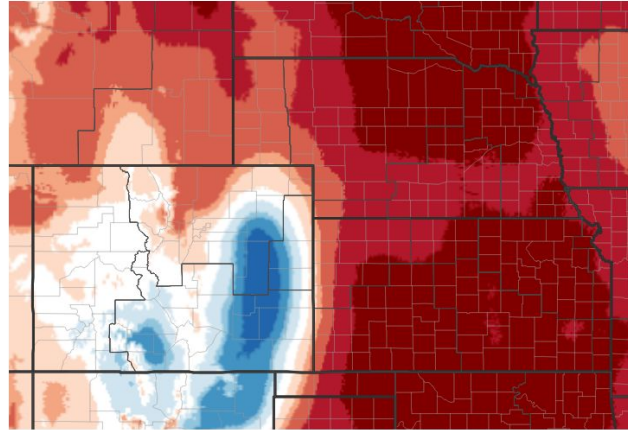




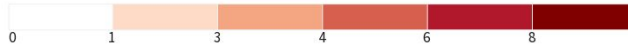
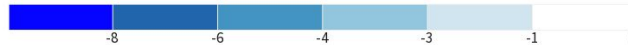
Temperature

- Over the past week, temperatures have been well above normal across all of western and north central Nebraska.
- Over the past 30 days, above normal temperatures were present over all of western and north central Nebraska.

7-Day Temperature Anomaly



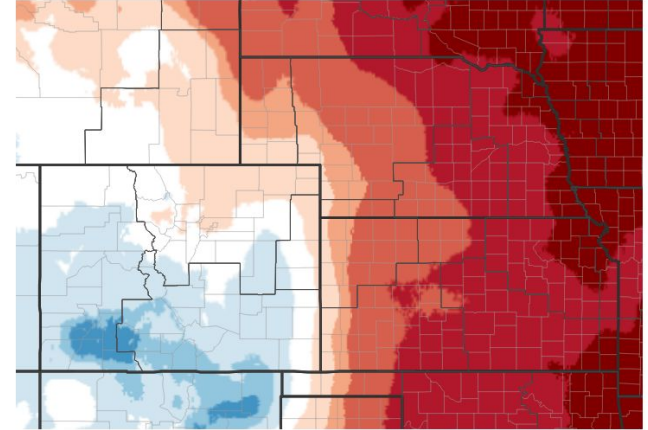
Departure from Normal Max Temperature (°F)



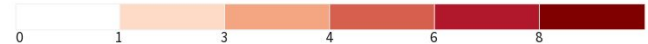
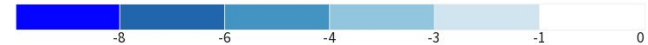
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/17/24

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: 11/17/24





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

- “There are no known impacts at this time”

Fire Hazard Impacts

- Local fire partners have indicated that fine fuels (grasses) are cured in western and southwestern Nebraska and are ready to burn given the right wind and humidity conditions.

Other Impacts

- “There are no known impacts at this time”

Mitigation Actions

- “None reported”

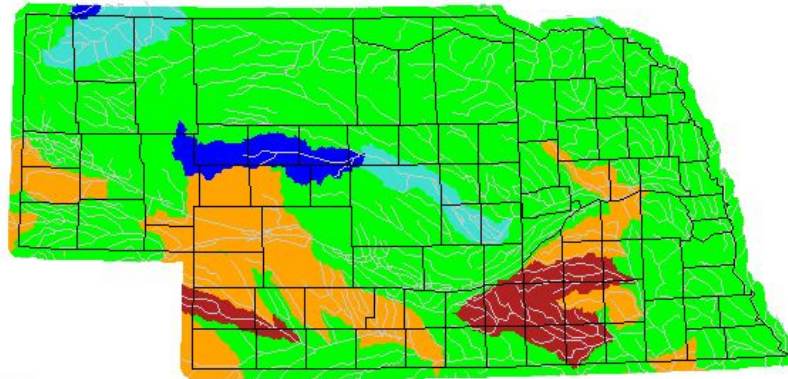




Hydrologic Conditions and Impacts

- Streamflow across the northern half of the area was normal to above normal for this time of year.
- Flows in the Medicine Creek, Frenchman, mainstem Platte River and Stinking Water Creeks' are below to much below normal for this time of year.

Wednesday, November 20, 2024



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		

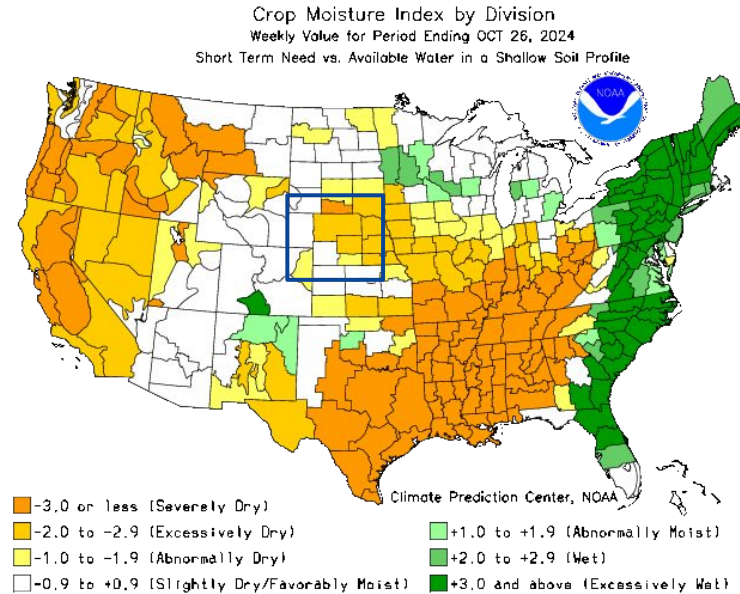
Image Caption: USGS 7 day average streamflow HUC map valid 11 20 2024





Agricultural Impacts

- The crop moisture index across western and north central Nebraska, is excessively dry currently. Locations over north central Nebraska into portions of central Nebraska are the driest.

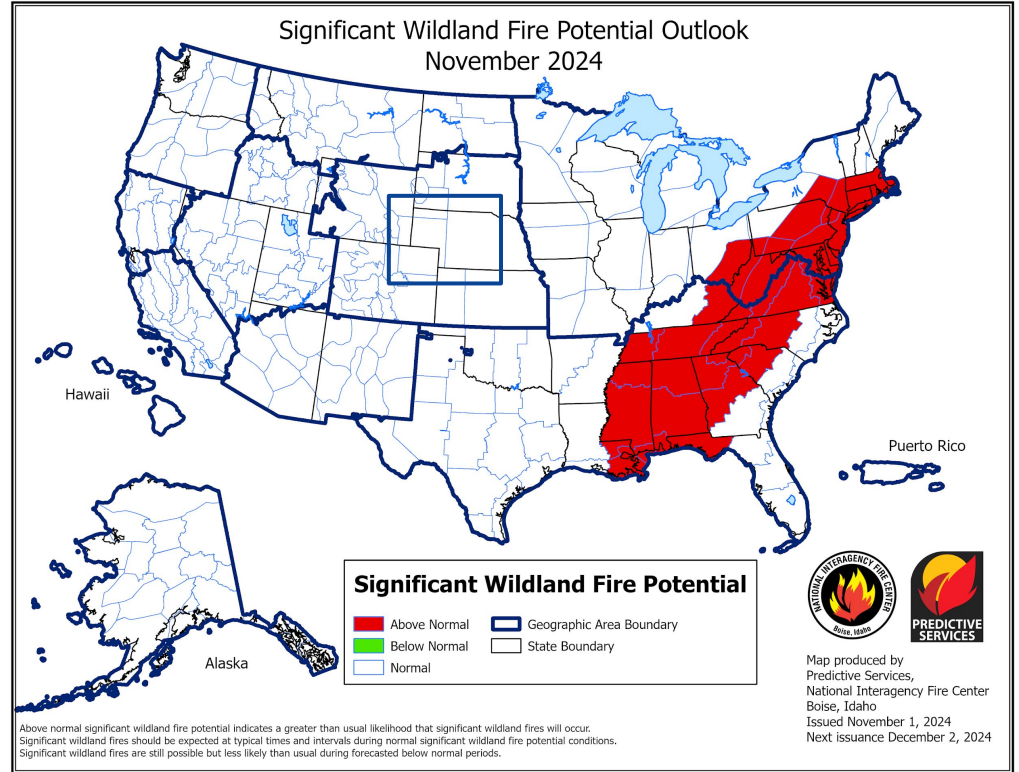




Fire Hazard Impacts

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

- Significant wildland fire potential is near normal for this time of year.
- However, fire partners have indicated that one hour fuels are cured in western and southwestern Nebraska and are ready to burn given favorable wind and humidity conditions.

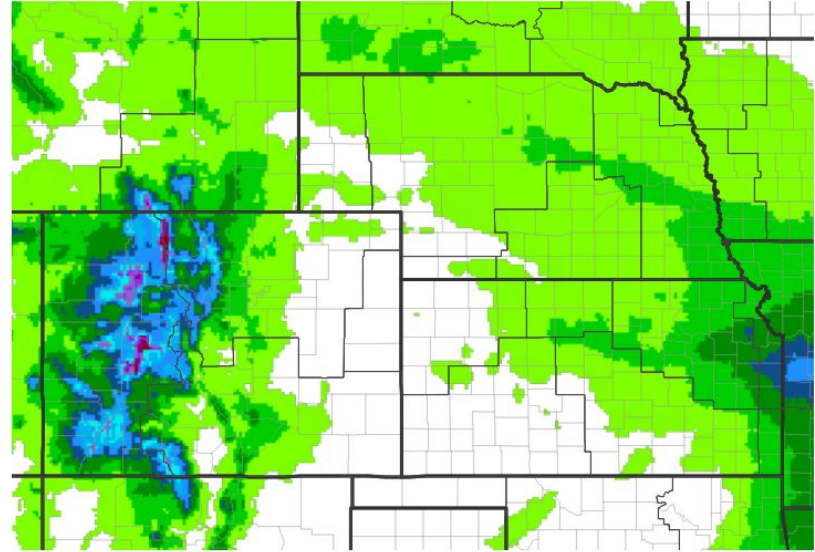




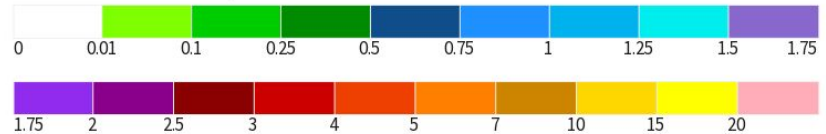
Seven Day Precipitation Forecast

- The precipitation forecast over the next 7 days calls for near zero precipitation across far southwestern Nebraska.
- For the remainder of the forecast area, a tenth to a quarter inch is possible over the next 7 days.

7-Day Quantitative Precipitation Forecast for November 21, 2024–November 28, 2024



Predicted Inches of Precipitation



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

Last Updated: 11/21/24





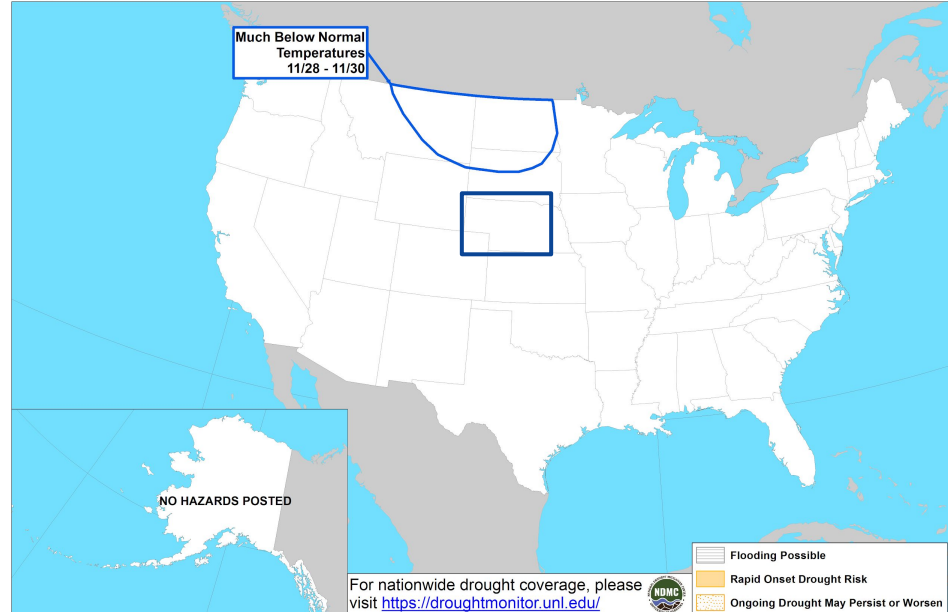
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- Rapid onset of drought is not anticipated across western and north central Nebraska. Over the next couple of weeks.



Day 8-14 U.S. Hazards Outlook
Valid: 11/28/2024-12/04/2024



Climate Prediction Center
Made: 11/20/2024 3PM EST

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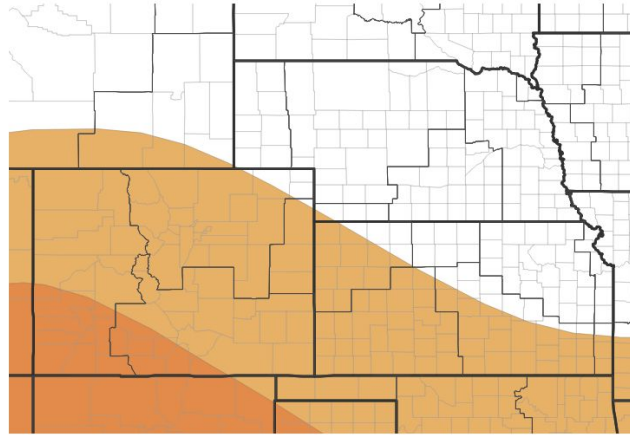


Long-Range Outlooks

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

- The outlook for December calls for equal chances for above, below or near normal temperatures.
- The precipitation outlook for December calls for equal chances for above, below or near normal precipitation.

Monthly Temperature Outlook for December 1, 2024–December 31, 2024



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



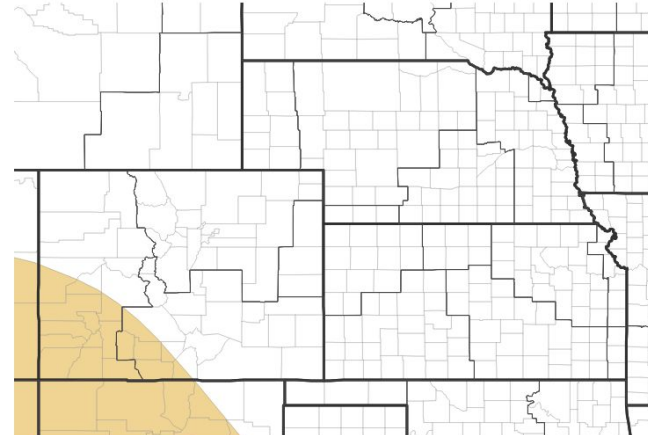
Probability of Near-Normal Temperatures



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

Last Updated: 11/21/24

Monthly Precipitation Outlook for December 1, 2024–December 31, 2024



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation

