



# Drought Information Statement for Eastern NE and Southwest IA

Valid November 2, 2023

Issued By: NWS Omaha/Valley, NE

Contact Information: [nws.omaha@noaa.gov](mailto:nws.omaha@noaa.gov)

- This product will be updated November 30, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://weather.gov/oax/DroughtInformationStatement> for previous statements.



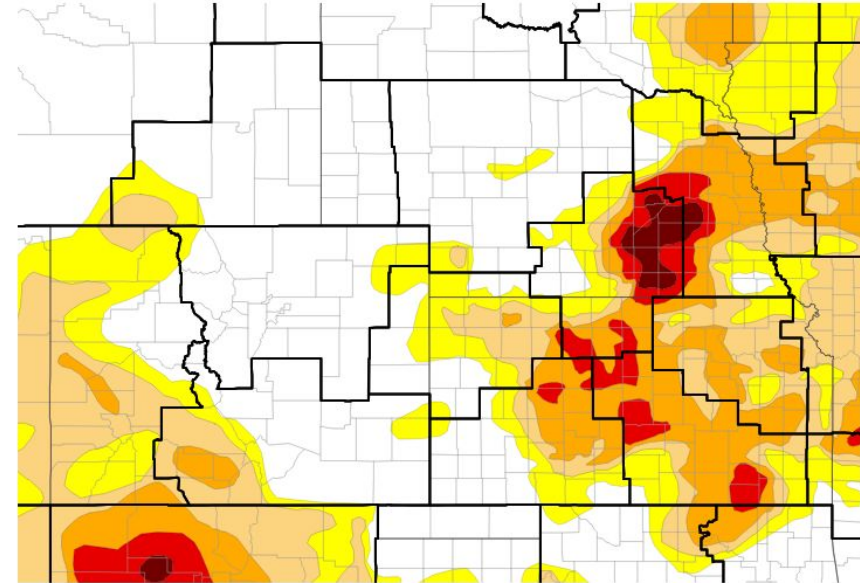


# U.S. Drought Monitor

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

- Drought conditions have remained generally unchanged across eastern Nebraska and southeast Nebraska
- Drought intensity and Extent
  - **D4 (Exceptional Drought):** Portions of Butler and Seward.
  - **D3 (Extreme Drought):** Boone, Platte, Colfax, Butler, Saunders, Seward, Lancaster, Saline, Jefferson, Dodge in eastern NE.
  - **D2 (Severe Drought):** Thurston, Wayne, Madison, Stanton, Cuming, Burt, Boone, Colfax, Dodge, Washington, Saunders, Dodge, Washington, Douglas, Sarpy, Seward, Lancaster, Cass, Saline, Jefferson, and Gage counties in Eastern NE. Monona, Harrison, Shelby, Pottawattamie, Mills and Montgomery in southwest IA.
  - **D1 (Moderate Drought):** Small portions of northeast NE, southeast NE, and southwest IA.
  - **D0 (Abnormally Dry):** Portions of northeast NE, southeast NE and far southwest IA.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 10/31/23



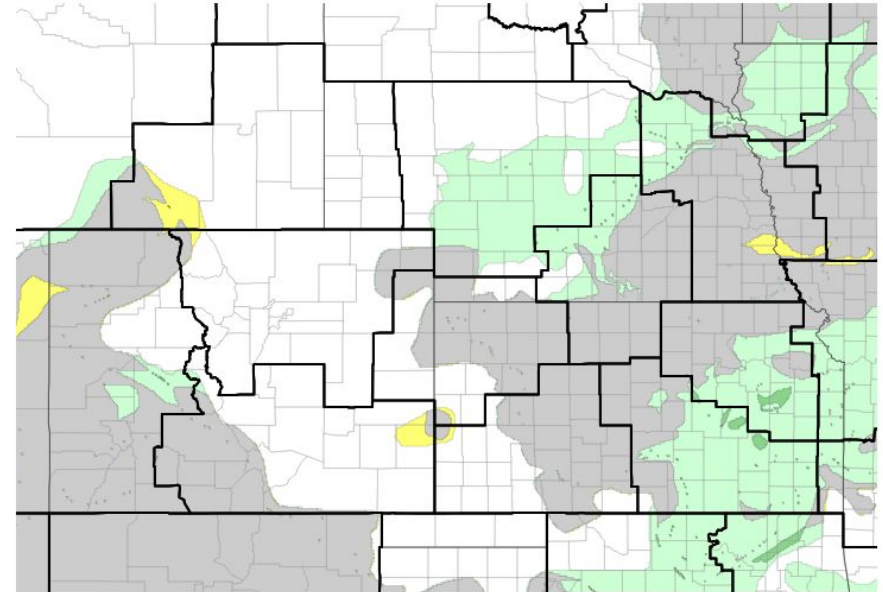


# Recent Change in Drought Intensity

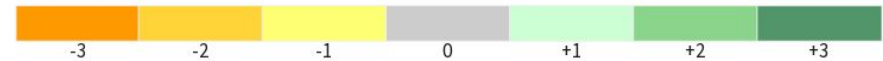
Link to the latest [4-week change map](#)

- One Week Drought Monitor Class Change.
  - **Drought Worsened:** Small portions of southeast Nebraska and southwest Iowa.
  - **No Change:** A large part of eastern Nebraska and southwest Iowa.
  - **Drought Improved:** Portions of northeast Nebraska and northwest Iowa.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



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

Data Valid: 10/31/23



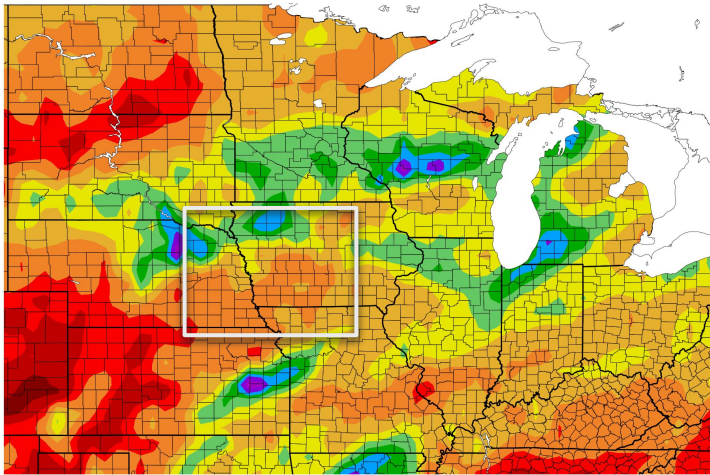




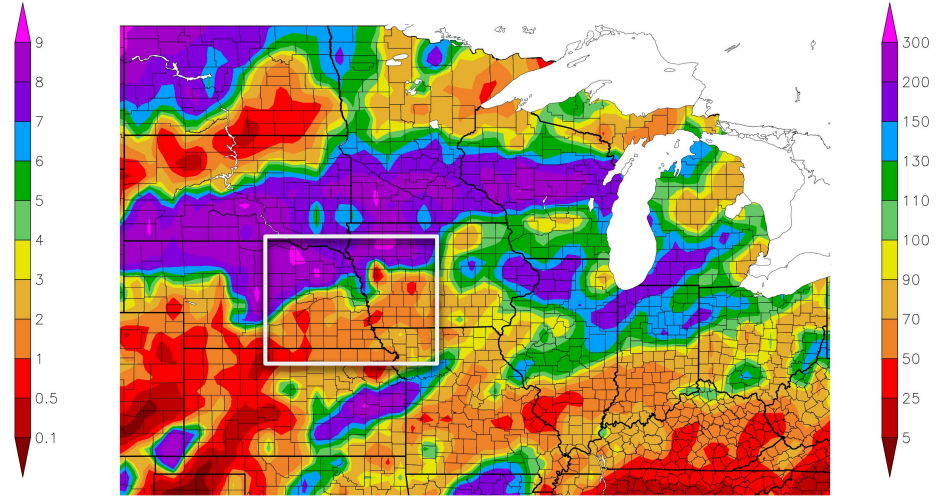
# Precipitation

Over the Past 30 Days

Precipitation (in)  
10/3/2023 - 11/1/2023



Percent of Normal Precipitation (%)  
10/3/2023 - 11/1/2023



Generated 11/2/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 11/2/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

- Precipitation across the local region over the previous 30 days has been well below normal (25-50%) over the southern two thirds of the area and well above normal over the northern third.



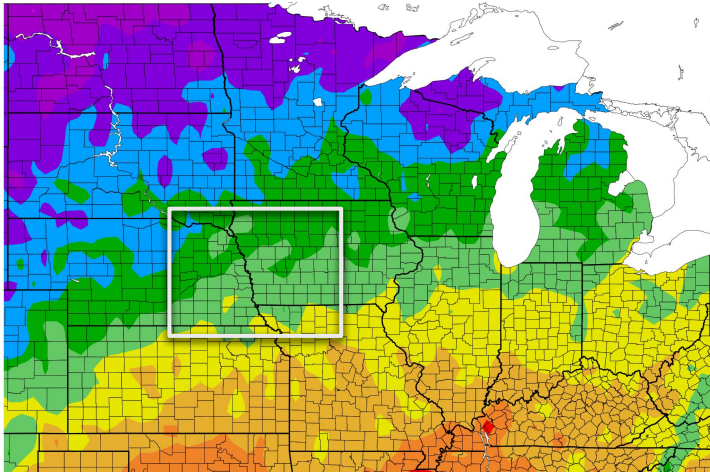




# Temperature

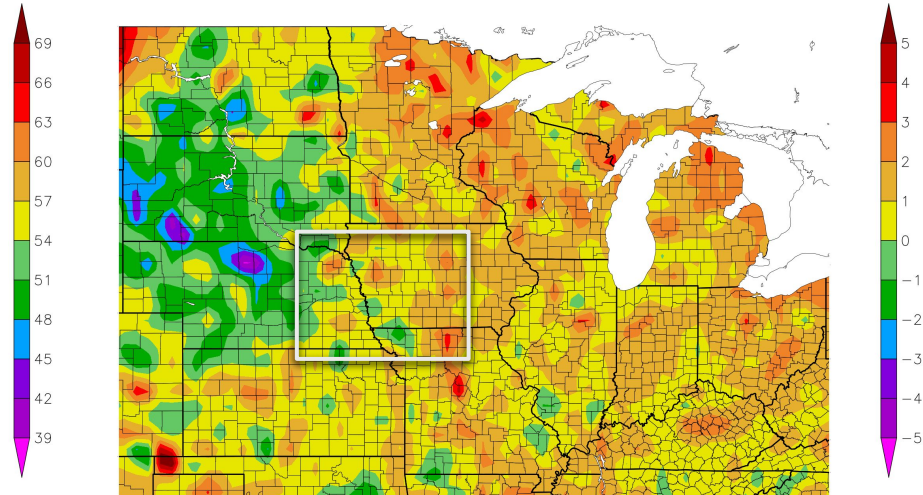
Over the Past 30 Days

Temperature (F)  
10/3/2023 - 11/1/2023



Generated 11/2/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
10/3/2023 - 11/1/2023



NOAA Regional Climate Centers Generated 11/2/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

- Temperatures across the local region have been generally 1-3 degrees above normal over the previous 30 days.





# Summary of Impacts

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

## Hydrologic Impacts

- Local streamflow is 10-25% of normal over the southern half of the area. Precipitation deficits for the year are running 4-8” below normal ifor most of the area.

## Agricultural Impacts

- Soil moisture remains low in areas south and east of the Omaha metropolitan area.
- Nebraska’s October corn yield estimate of 174 bushels per acre was 5% below the August estimate due to late season heat.

## Fire Hazard Impacts

- All counties in the area are considered to now have “critical” fuel status. The majority of fuels (dried corn in many cases) will support extreme fire behavior and spread when the weather conditions meet Red Flag criteria.

## Other Impacts

- There are no known impacts at this time.

## Mitigation Actions

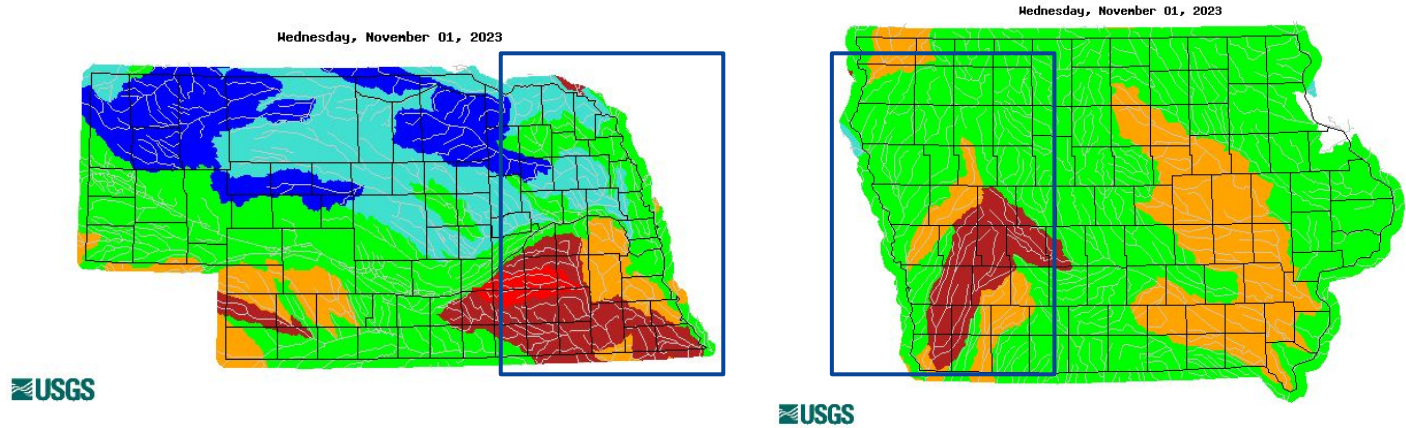
- In October, Shenandoah, IA enacted water restrictions for the first time in 23 years.
- Please refer to your municipality and/or water provider for mitigation information.





# Hydrologic Conditions and Impacts

- Streamflow reflects where the precipitation has been falling over the past 30 days.
- Much of northeast Nebraska is flowing normal or above normal.
- Much of southeast Nebraska and parts of southwest Iowa are below normal.



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 Captions:

Left USGS 7 day average streamflow NE HUC map  
 Right USGS 7 day average streamflow IA HUC map  
 Both valid November 1, 2023



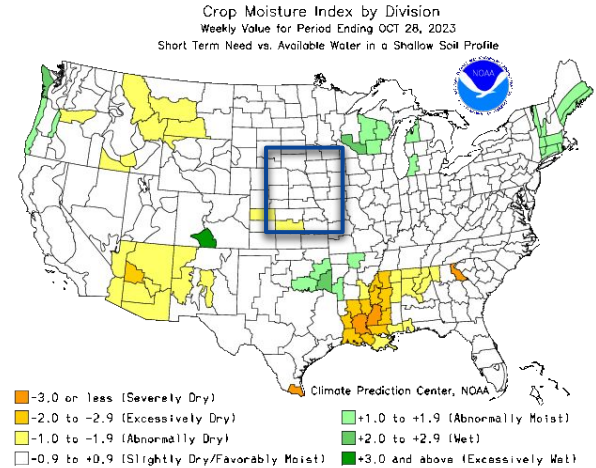
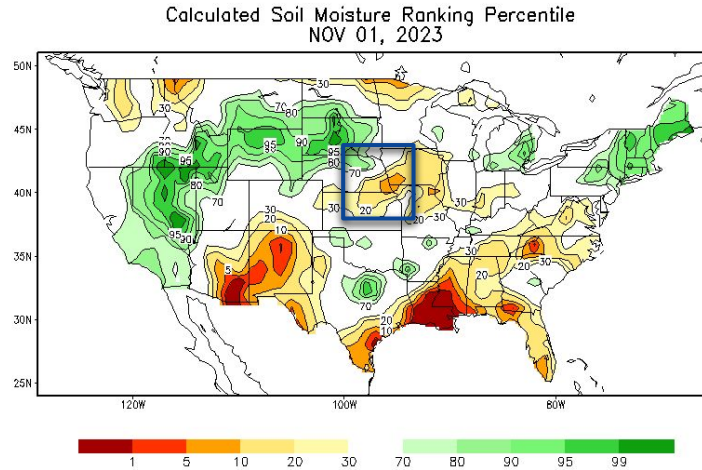




# Agricultural Impacts

Link to the Latest [USDA Crop Progress Reports](#) by State

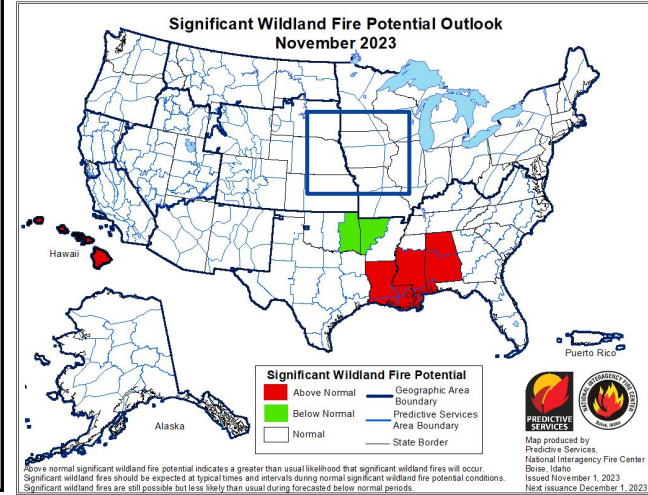
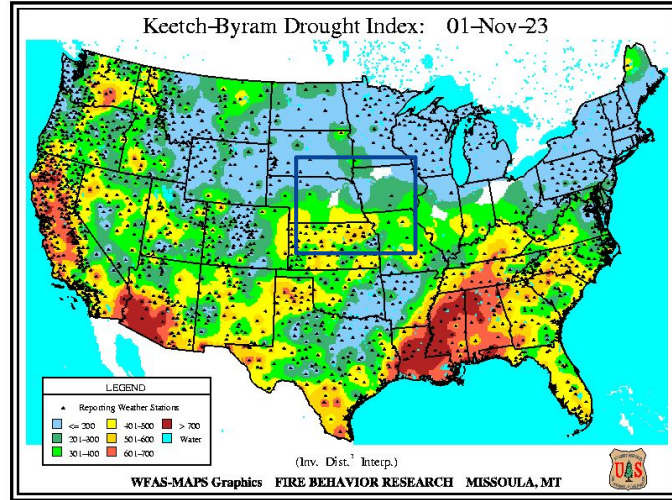
- Soil moisture has improved dramatically in northeast Nebraska.
- Soil moisture continues to run below normal for the remainder of the area.
- The crop moisture index is running Near Normal.





# Fire Hazard Impacts

- All counties in the local area are considered to now have “critical” fuel status. The majority of fuels (dried corn in many cases) will support extreme fire behavior and spread when the weather conditions meet Red Flag criteria.

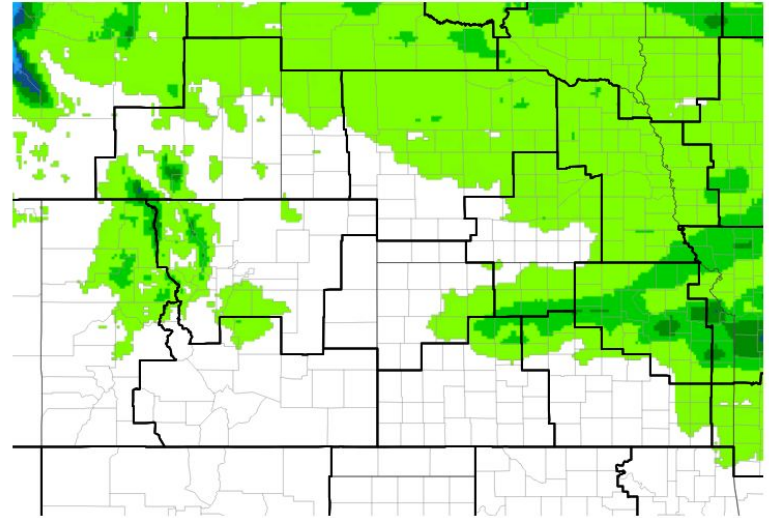




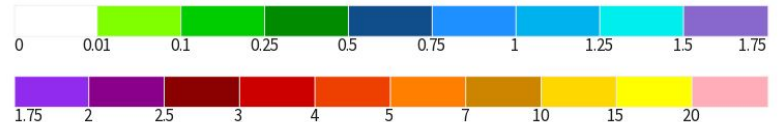
# Seven Day Precipitation Forecast

- There are small precipitation chances in the forecast in the next 7 days.
- Amounts are forecast to remain below 0.10”.

## 7-Day Quantitative Precipitation Forecast



### Predicted Inches of Precipitation



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

Data Valid: 11/02/23







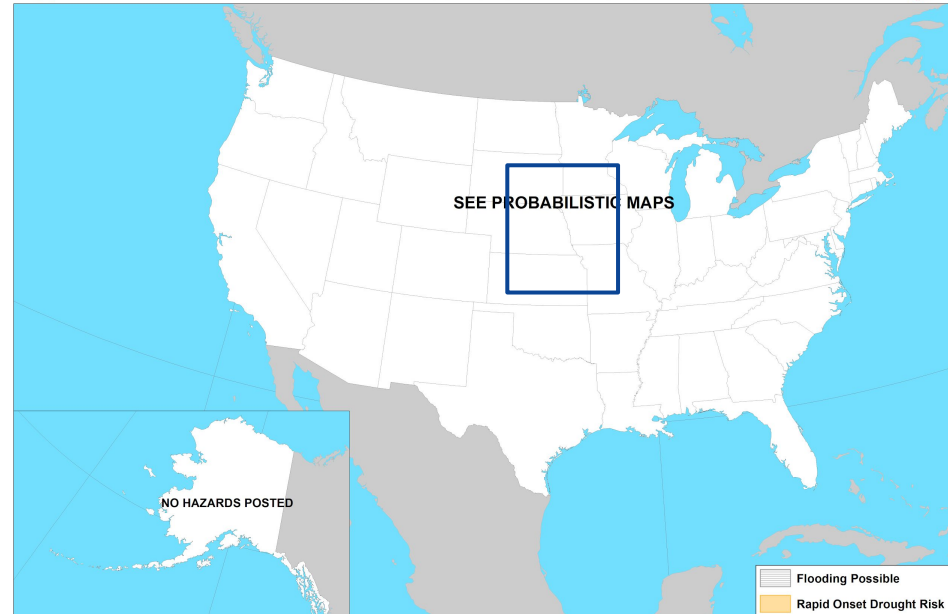
# Rapid Onset Drought Outlook

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

- Rapid onset of drought conditions are not expected.



Day 8-14 U.S. Hazards Outlook  
Valid: 11/09/2023-11/15/2023



Climate Prediction Center  
Made: 11/01/2023 3PM EDT

Follow us:   
[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

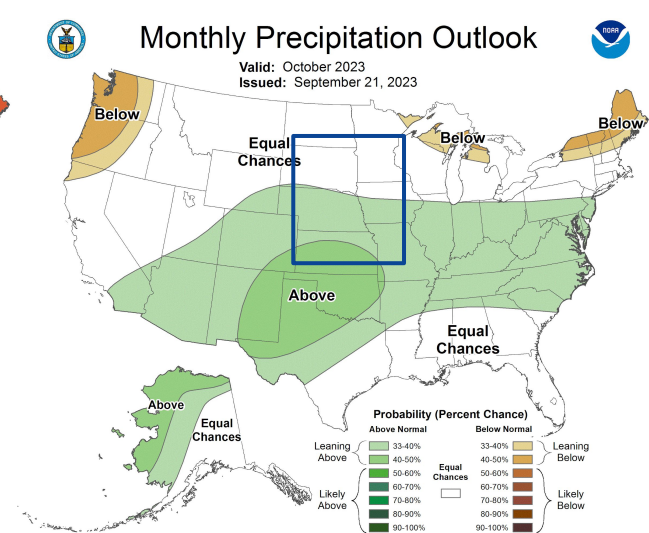
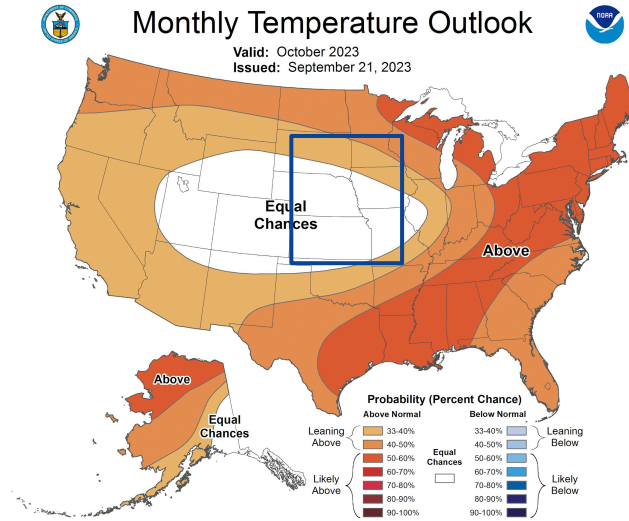




# Long-Range Outlooks

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

- The seasonal outlook for October leans toward a wetter than normal October.
- Temperatures have equal chances of near, above or below normal values by the time the month wraps up.





# Drought Outlook

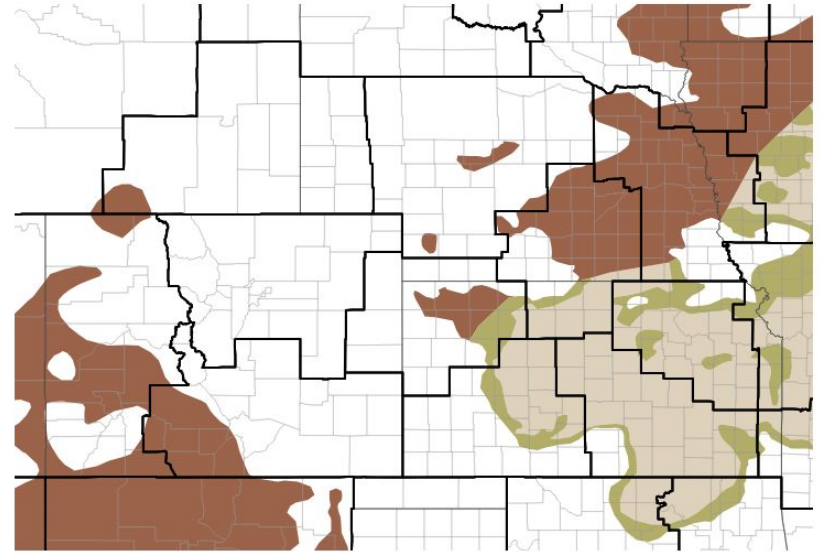
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The seasonal 3 month drought outlook calls for drought to persist across much of the region.
- Areas south and east of the Omaha metropolitan area may see some improvement over the course of November, December and January.

Link to the latest:

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

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



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

Data Valid: 10/19/23







# Questions, Comments, Resources

If you have questions or comments about this information, please contact:

## National Weather Service

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## Acknowledgments:

The drought monitor is a multi-agency effort involving NOAA's National Weather Service and National Climatic Data Center, the USDA, state and regional center climatologists and the National Drought Mitigation Center. Information for this statement has been gathered from NWS and FAA observation sites, cooperative and volunteer observations, USDAFS, the USDA and USGS.

**National Weather Service Omaha:** [weather.gov/Omaha](http://weather.gov/Omaha)

**Climate Prediction Center Drought:**

[cpc.ncep.noaa.gov/products/Drought/](http://cpc.ncep.noaa.gov/products/Drought/)

**US Drought Monitor:** [droughtmonitor.unl.edu/](http://droughtmonitor.unl.edu/)

**National Drought Mitigation Center:** <https://drought.unl.edu/>

**National Water Dashboard:** [dashboard.waterdata.usgs.gov/app/nwd/](http://dashboard.waterdata.usgs.gov/app/nwd/)

**National Integrated Drought Information System:** [drought.gov](http://drought.gov)

**Current Drought Conditions:** [drought.gov/current-conditions](http://drought.gov/current-conditions)

**Past Drought:** [drought.gov/historical-information](http://drought.gov/historical-information)

**USGS Water Watch:** [waterwatch.usgs.gov](http://waterwatch.usgs.gov)

**US Army Corps of Engineers (USACE):** [usace.army.mil](http://usace.army.mil)

**High Plains Regional Climate Center (HRPCC):** [hrpcc.unl.edu](http://hrpcc.unl.edu)

**Iowa State Climatologist:** Justin Glisan, Ph.D. (515) 281-8981

[iowaagriculture.gov/climatology-bureau](http://iowaagriculture.gov/climatology-bureau)

**Nebraska State Climatologist:** Vacant

[nsco.unl.edu](http://nsco.unl.edu)

**USDA Crop Information:** [nass.usda.gov/index.asp](http://nass.usda.gov/index.asp)

**Drought Impact Reporter:** [droughtreporter.unl.edu/map](http://droughtreporter.unl.edu/map)

