



Drought Briefing

10/3/2022

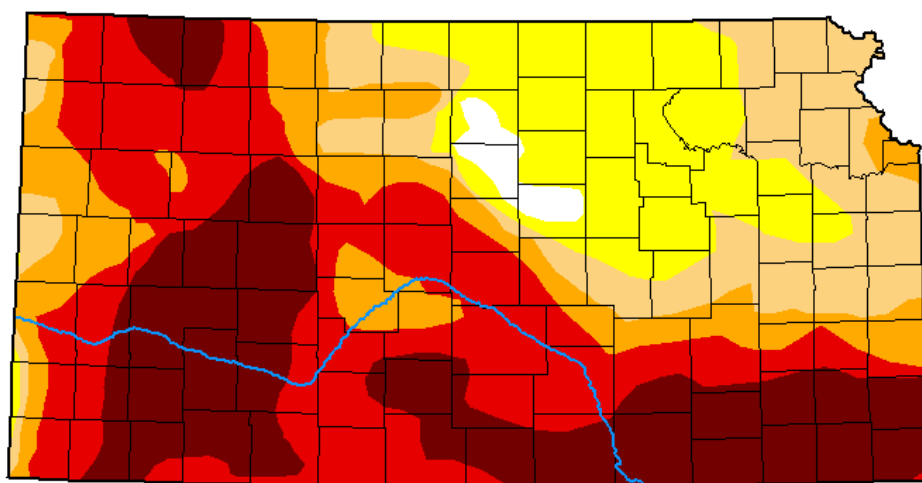
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Updated *October 3, 2022*

Extreme To Exceptional Drought Persisting

U.S. Drought Monitor
Kansas

September 27, 2022
(Released Thursday, Sep. 29, 2022)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu

Drought Message of the Day:

- Extreme to exceptional drought is ongoing across a large part of central and southwestern Kansas.
- Some light rainfall is expected this week, but generally the outlook is for drier than average conditions to prevail.



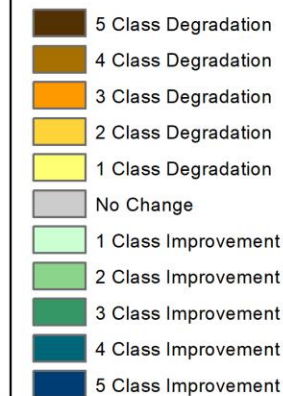
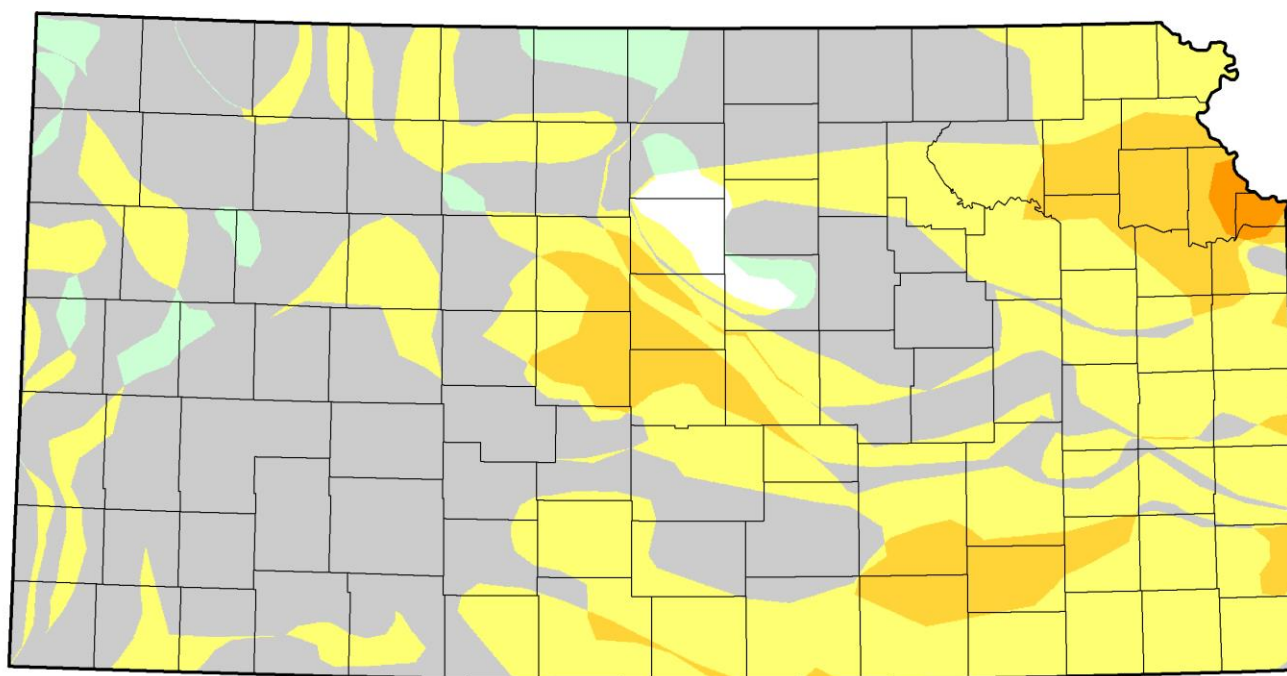
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4 Week Change in Drought Status

U.S. Drought Monitor Class Change - Kansas
4 Week



September 27, 2022
compared to
August 30, 2022

droughtmonitor.unl.edu

Important Changes since Last Week:

- Drought has worsened or remained the same over the past four weeks.

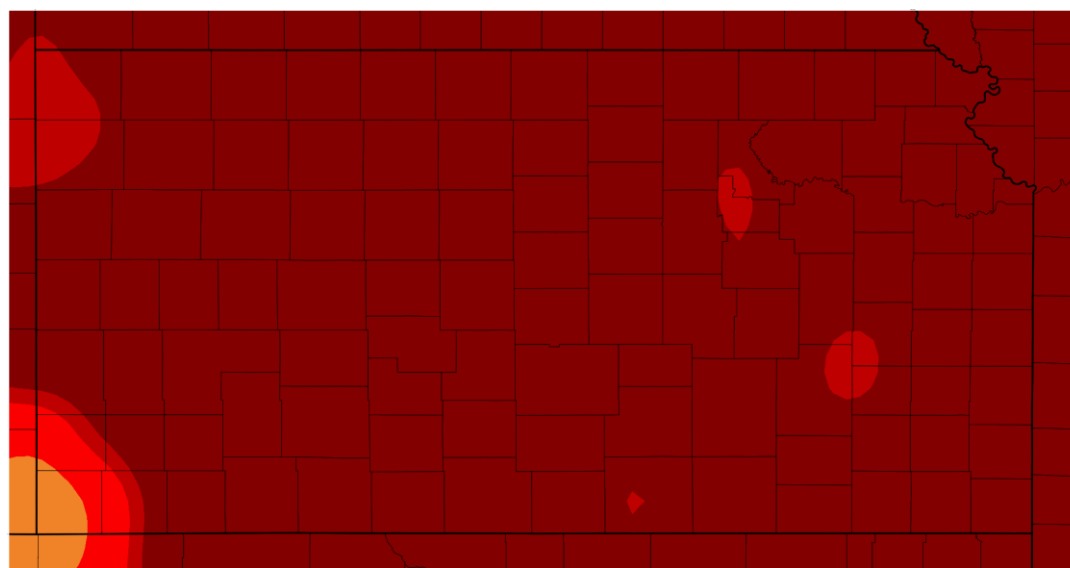


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Weekly Precipitation

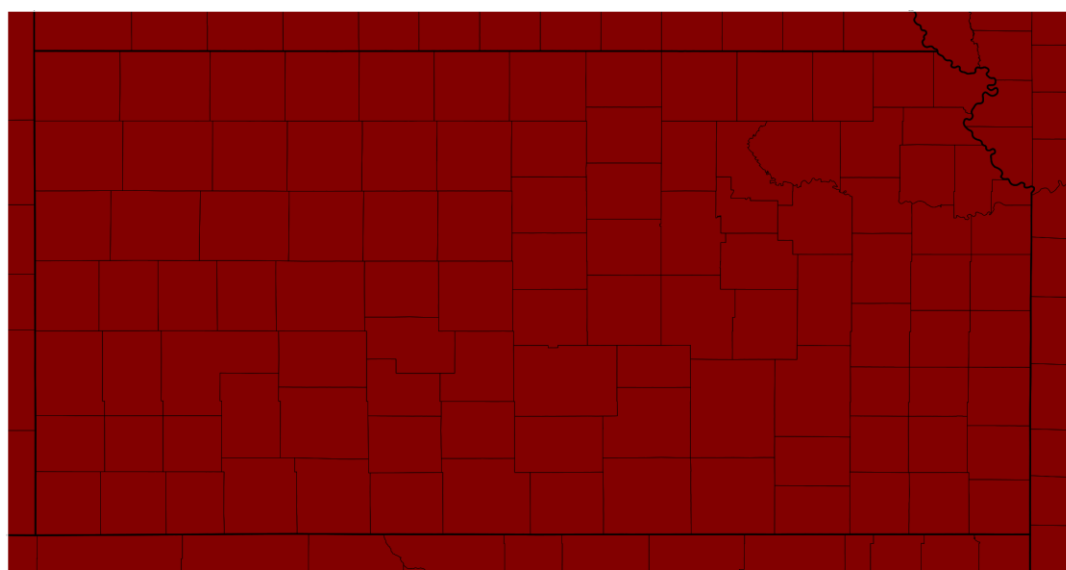
Precipitation (in)
9/26/2022 - 10/2/2022



Generated 10/3/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%)
9/26/2022 - 10/2/2022



Generated 10/3/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers





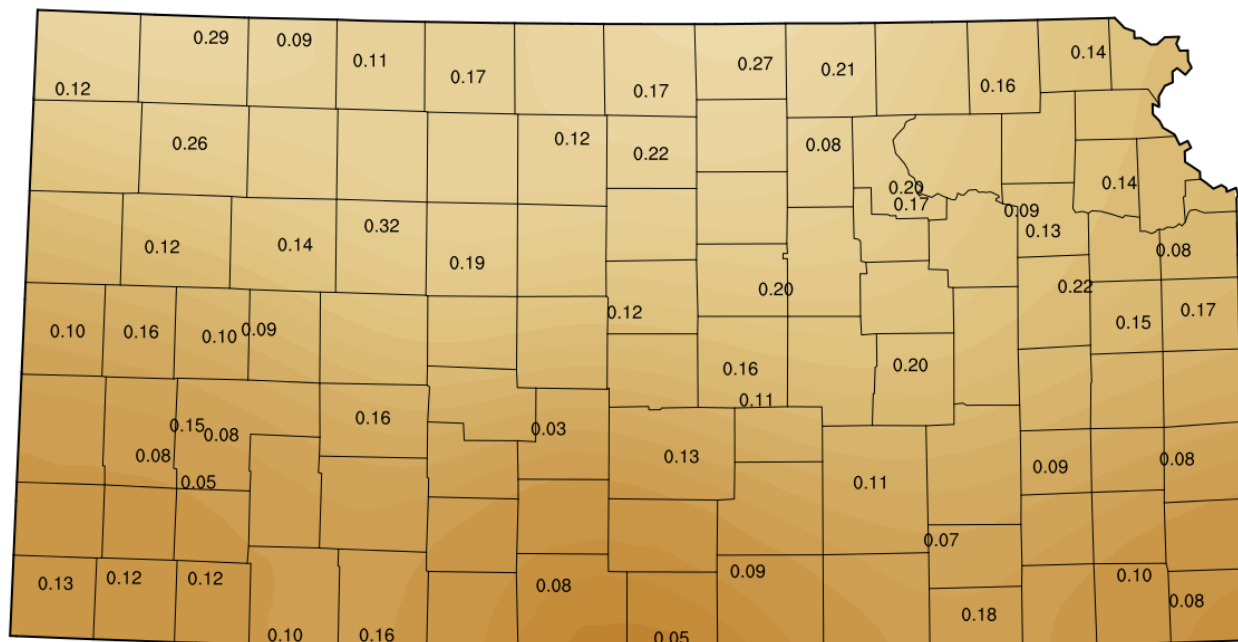
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Soil Moisture Status from Kansas State

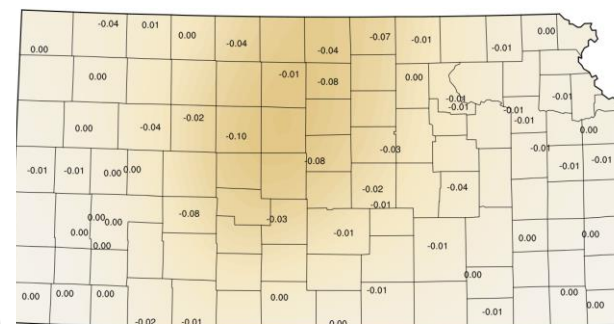
4" Soil Moisture (Volumetric Water Content)



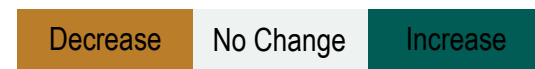
Map is representative of grassland vegetation

Kansas Mesonet - 10 cm Soil Moisture at 2022-10-03 13:16 (CST)

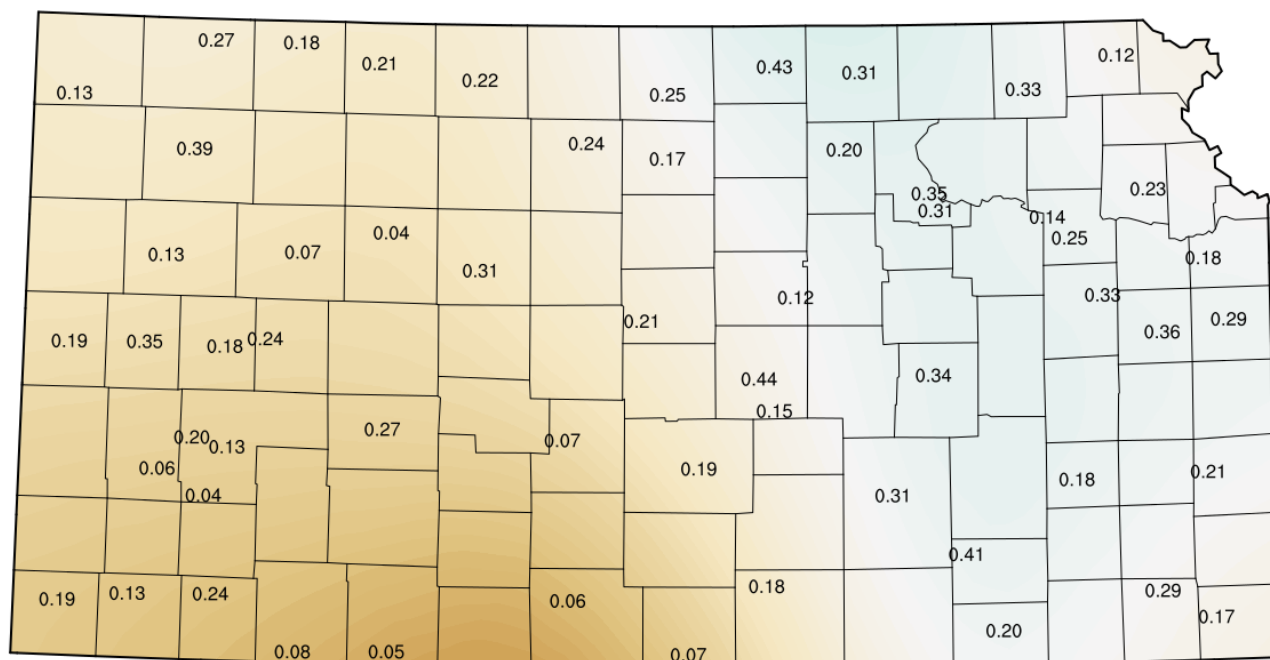
7 Day Change



Map is representative of grassland vegetation Kansas Mesonet - 10 cm Soil Moisture 7 day change at 2022-10-03 13:16 (CST)



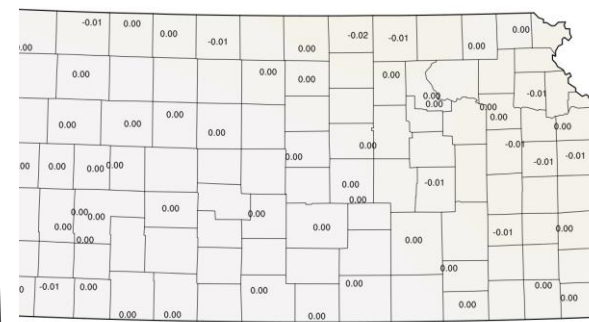
20" Soil Moisture (Volumetric Water Content)



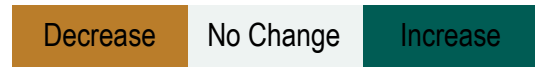
Map is representative of grassland vegetation

Kansas Mesonet - 50 cm Soil Moisture at 2022-10-03 13:16 (CST)

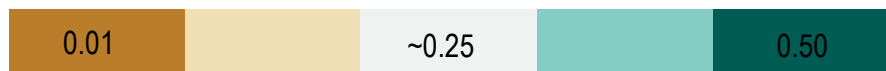
7 Day Change



Map is representative of grassland vegetation Kansas Mesonet - 50 cm Soil Moisture 7 day change at 2022-10-03 13:16 (CST)



Volumetric Water Content (VWC) is unitless (m^3/m^3) and is measured under native grass cover.



Completely Dry

Adequate

Completely Saturated

Data Provided by:

KANSAS STATE UNIVERSITY | Kansas Mesonet

mesonet.ksu.edu/agriculture/soilmoist

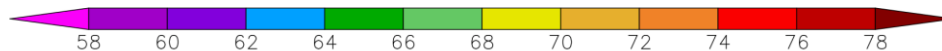
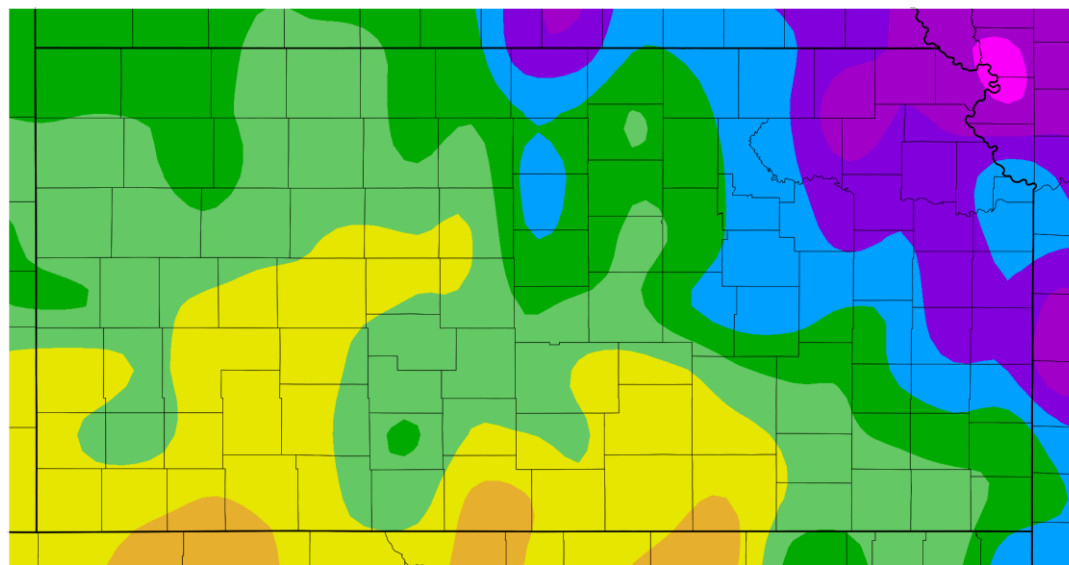


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Weekly Temperatures

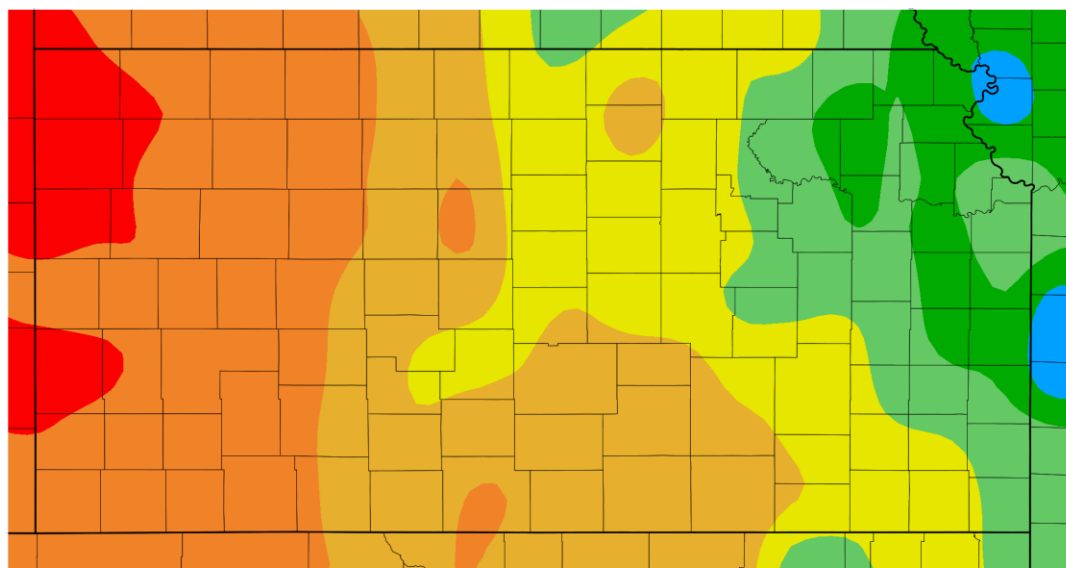
Temperature (F)
9/26/2022 - 10/2/2022



Generated 10/3/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers

Departure from Normal Temperature (F)
9/26/2022 - 10/2/2022



Generated 10/3/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers





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Impacts and Actions

- Crop condition...Wheat is being planted and rain is needed over the next few weeks.
- Water restrictions...N/A
- Ecological effects...N/A
- Other...N/A



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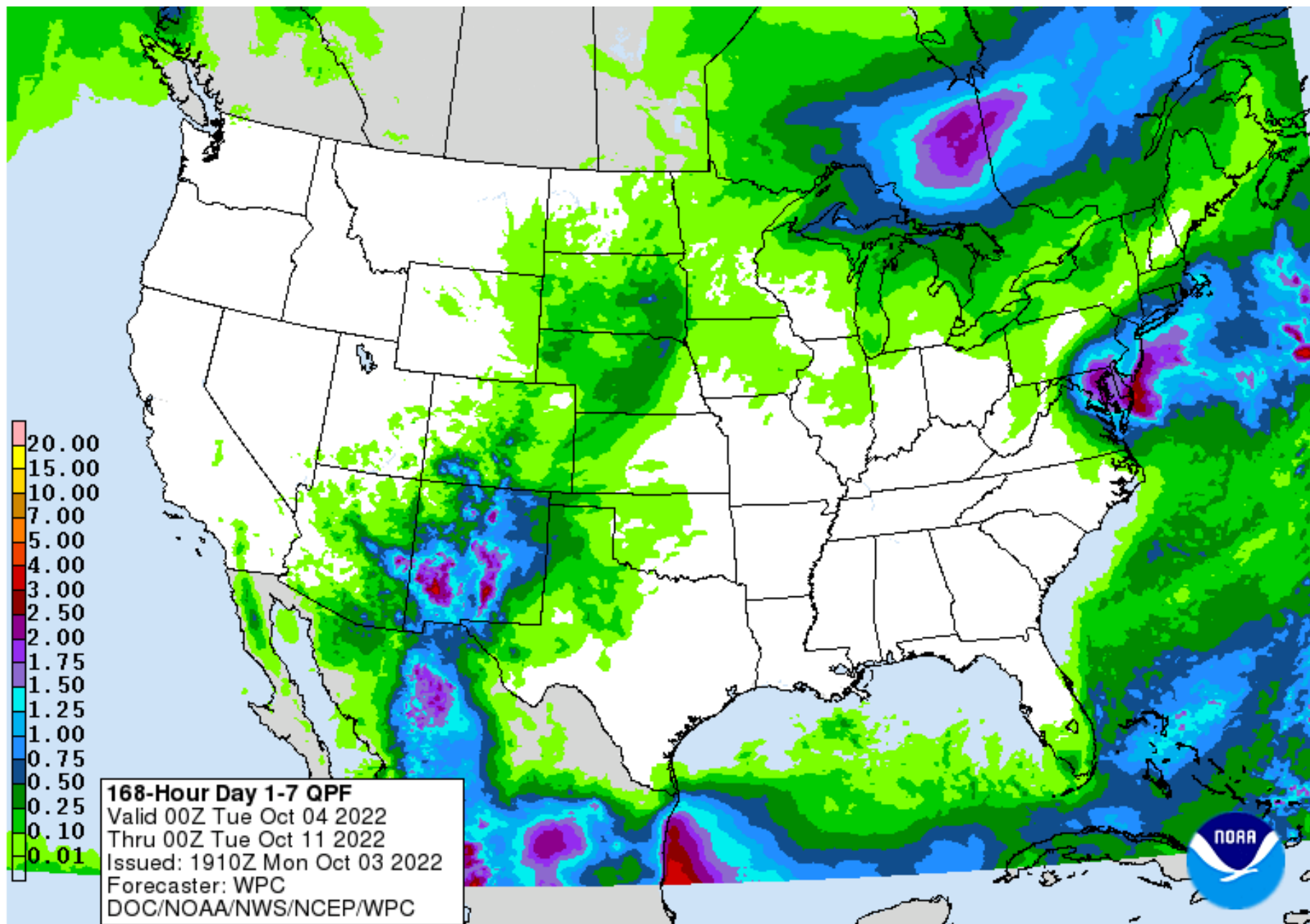
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WPC 7-day Precipitation Forecast

4 October 2022 to 11 October 2022

Some light rainfall is expected but generally a quarter of an inch or less.





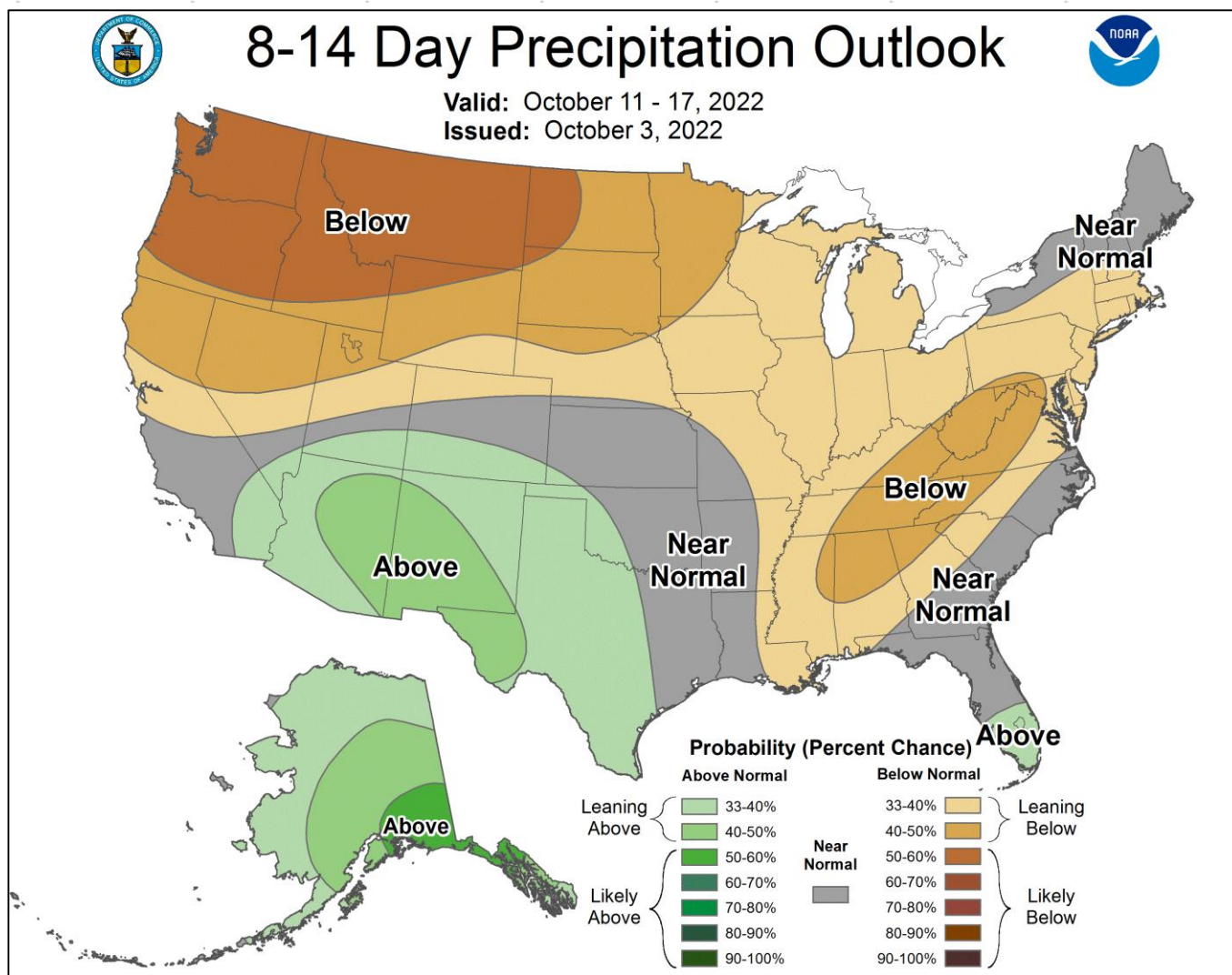
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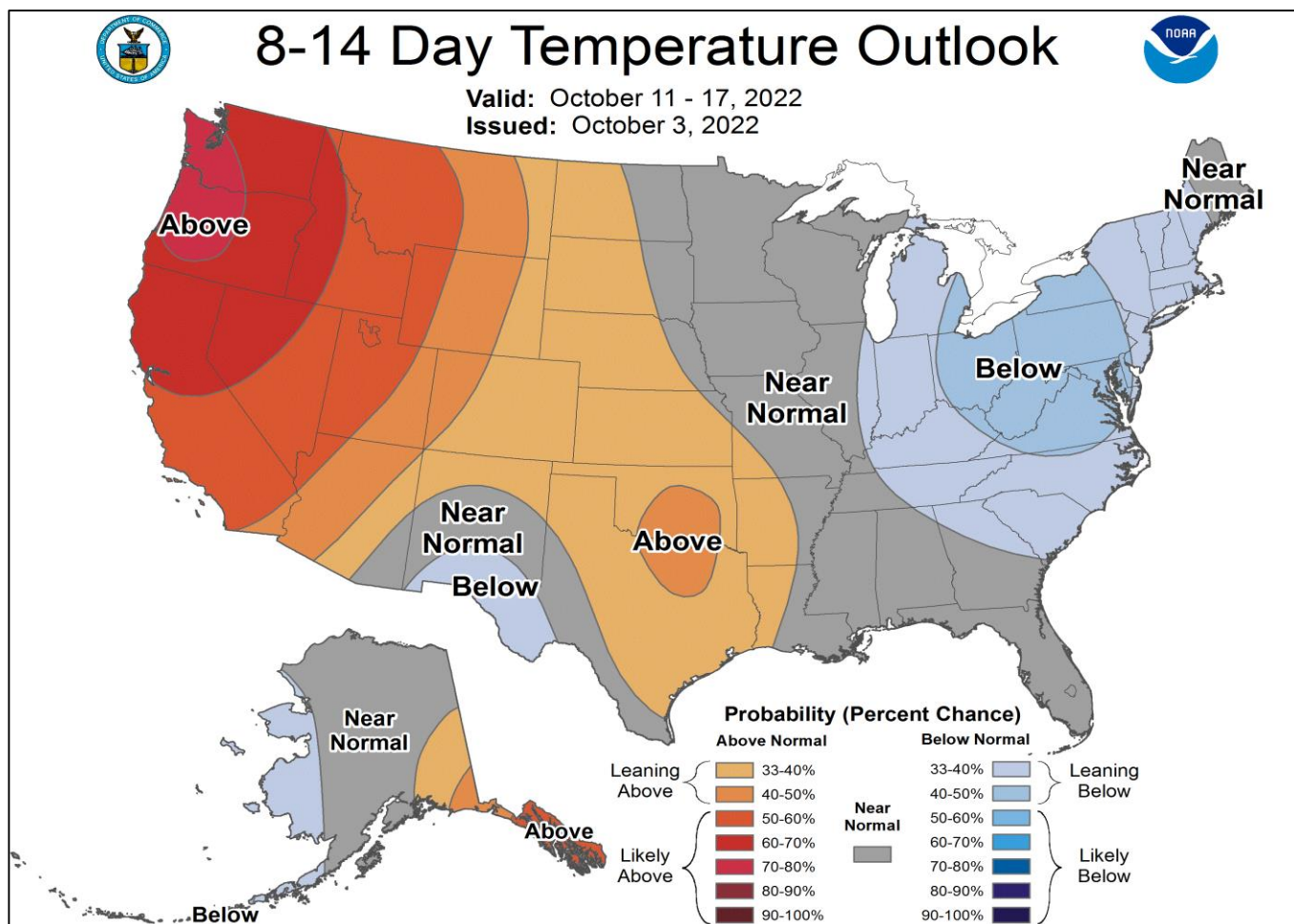
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CPC Week 2 Outlooks for 11 Oct to 17 Oct

Precipitation



Temperature





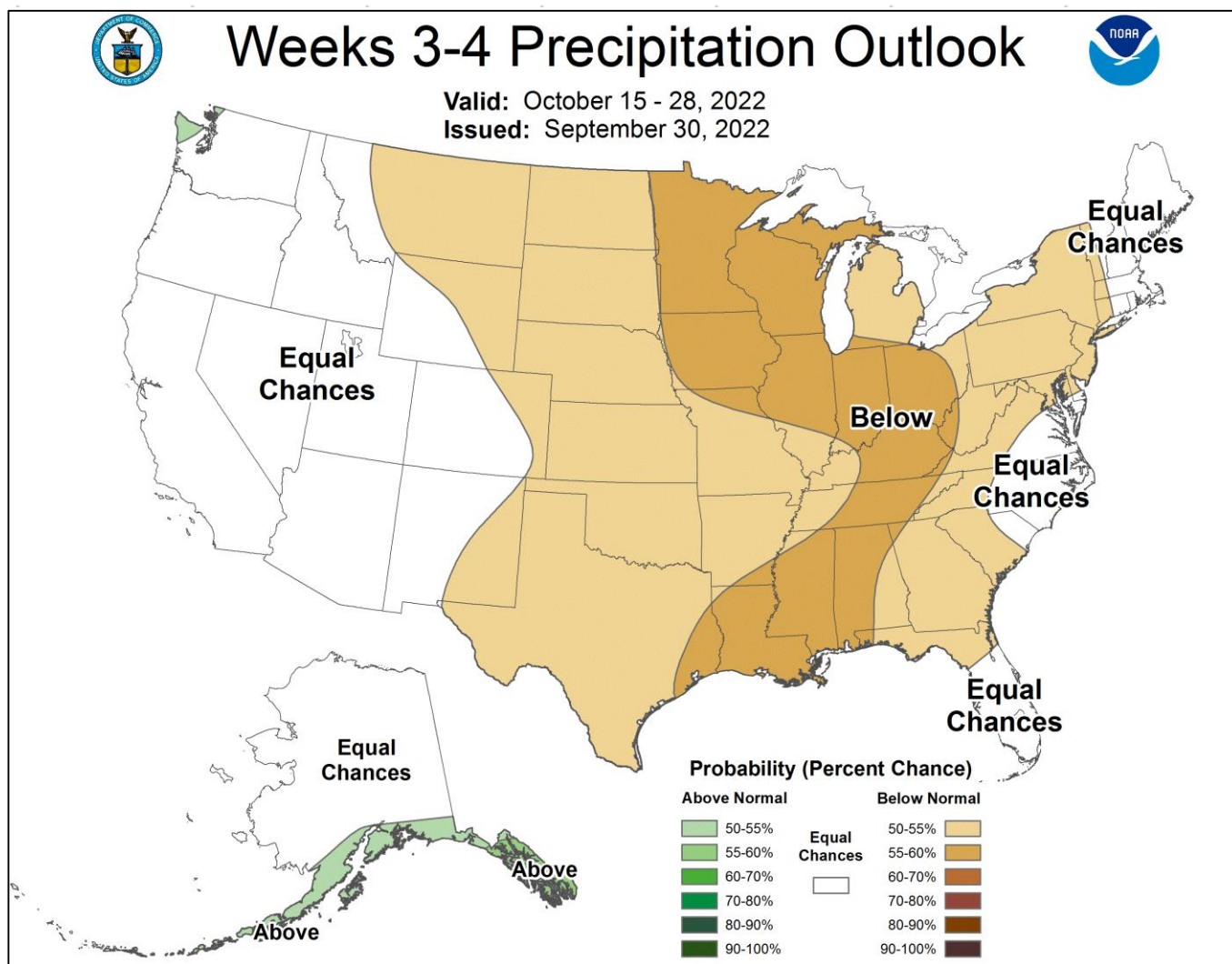
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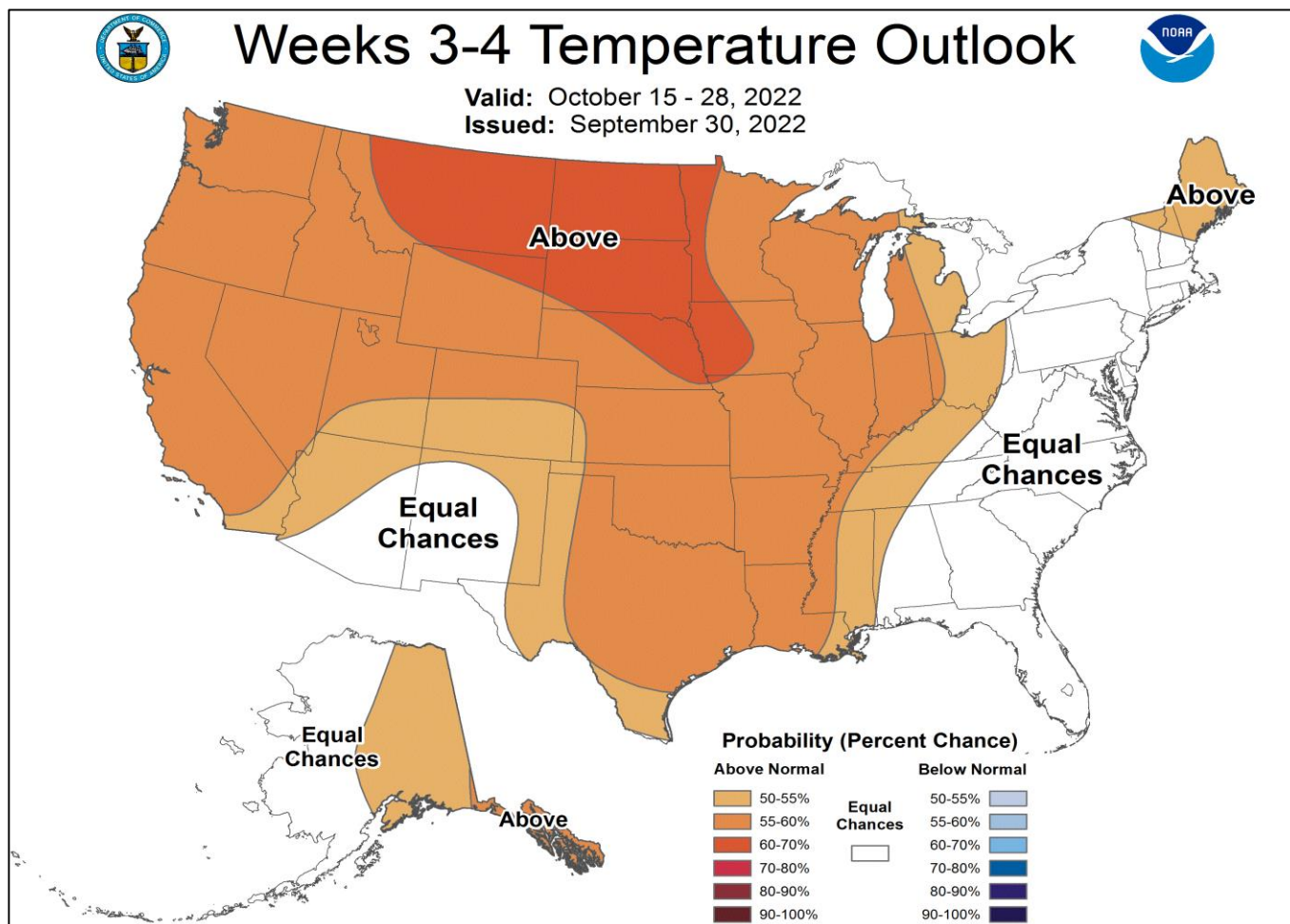
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CPC Week 3-4 Outlooks for 15 Oct to 28 Oct

Precipitation



Temperature





Drought Briefing

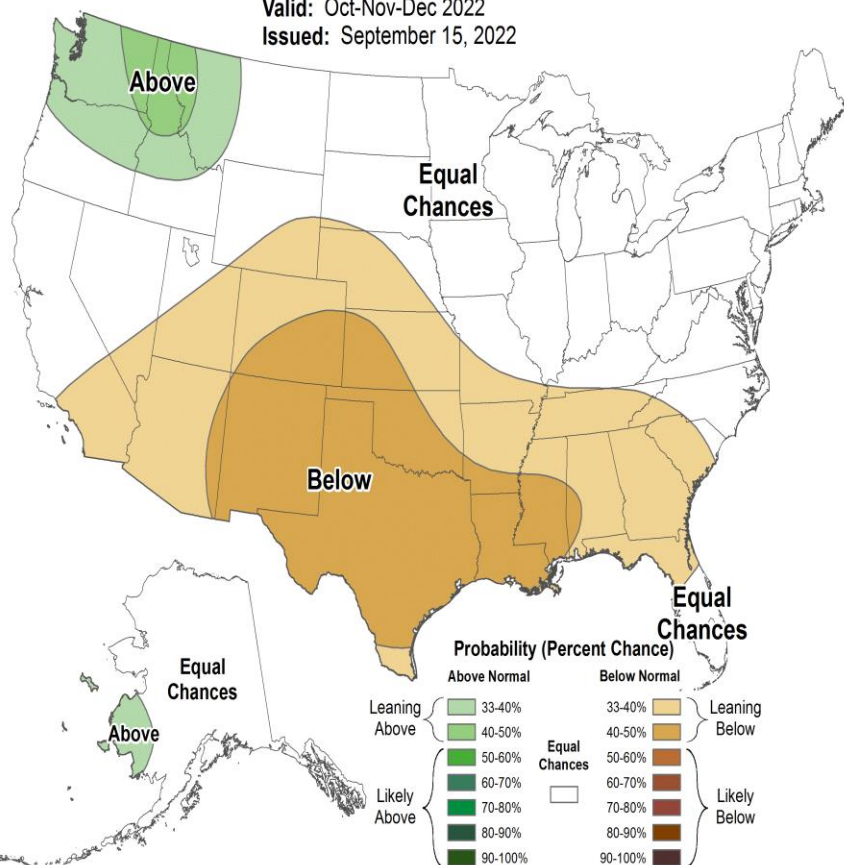
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CPC Seasonal Outlook Oct-Dec 2022

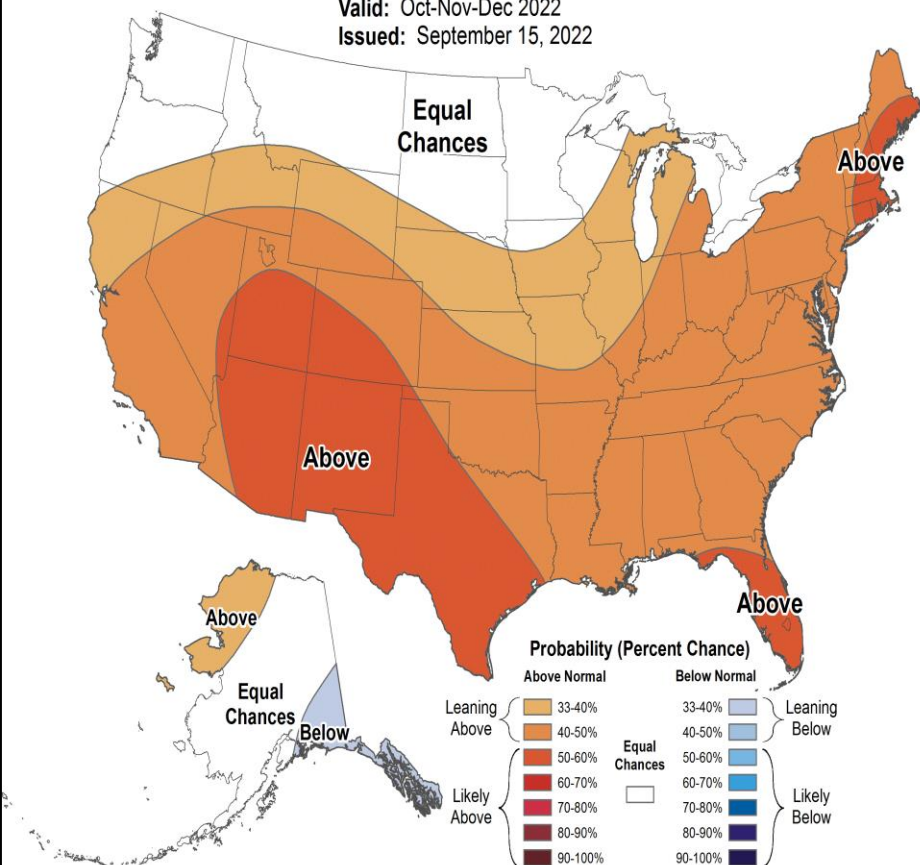
Seasonal Precipitation Outlook

Valid: Oct-Nov-Dec 2022
Issued: September 15, 2022



Seasonal Temperature Outlook

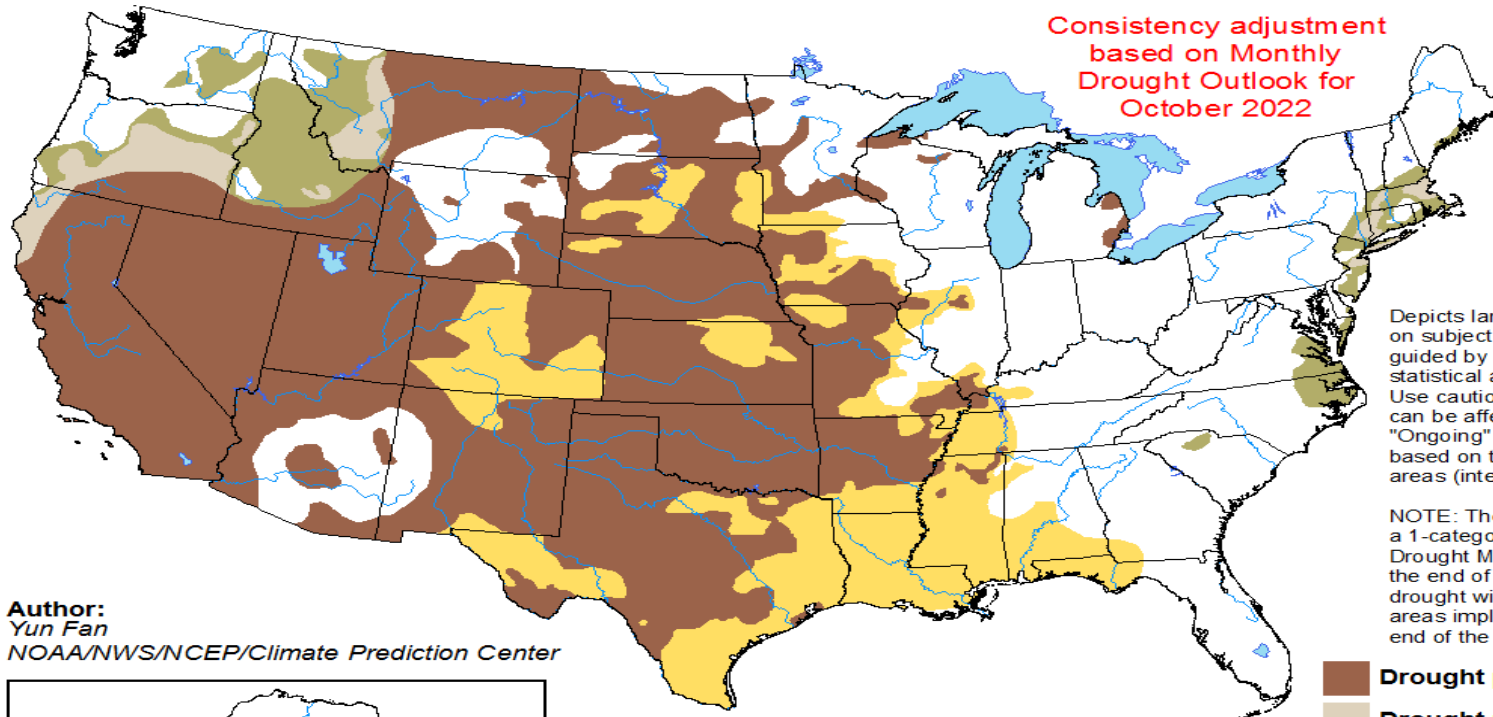
Valid: Oct-Nov-Dec 2022
Issued: September 15, 2022



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 1 - December 31, 2022
Released September 30, 2022

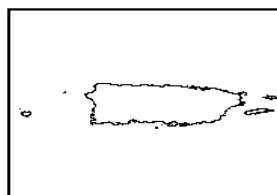
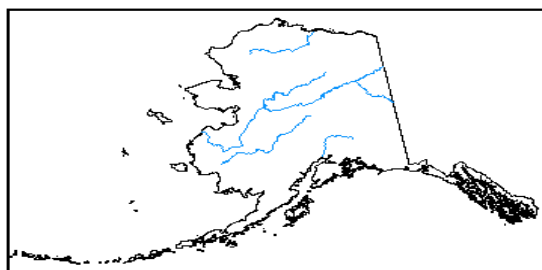


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely

Author:
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NOAA/NWS/NCEP/Climate Prediction Center



<http://go.usa.gov/3eZ73>



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Summary

- Extreme to exceptional drought is ongoing.
- Some light rainfall is expected over the next few days, but not enough to significantly affect drought conditions.
- Wheat is being planted and precipitation is needed over the next several weeks.

Partners

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

National Integrated Drought Information System - <https://www.drought.gov/drought/>

USDA Climate Hubs - <https://www.climatehubs.usda.gov/index.php/hubs/southern-plains>

US Forest Service - <https://www.wfas.net/>

US Geological Survey - <https://waterwatch.usgs.gov/>

Midwestern Regional Climate Center - <https://mrcc.illinois.edu/>

High Plains Regional Climate Center - <https://hprcc.unl.edu/>

Please monitor our web page for updates: <http://weather.gov/ddc>

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