

Drought Briefing

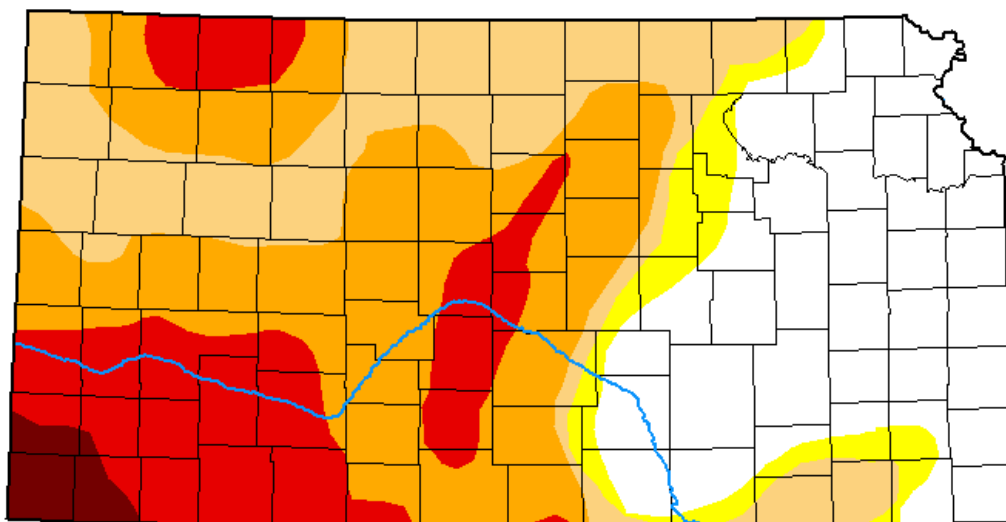
5/12/2022
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Updated May 12, 2022

D3-D4 Drought Spreads

U.S. Drought Monitor
Kansas

May 10, 2022
(Released Thursday, May 12, 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 <http://droughtmonitor.unl.edu/About.aspx>

Author:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

Drought Message of the Day:

- Extreme to exceptional drought is ongoing across parts of central and southwestern Kansas
- The forecast for the next week to ten days is for mainly dry conditions.

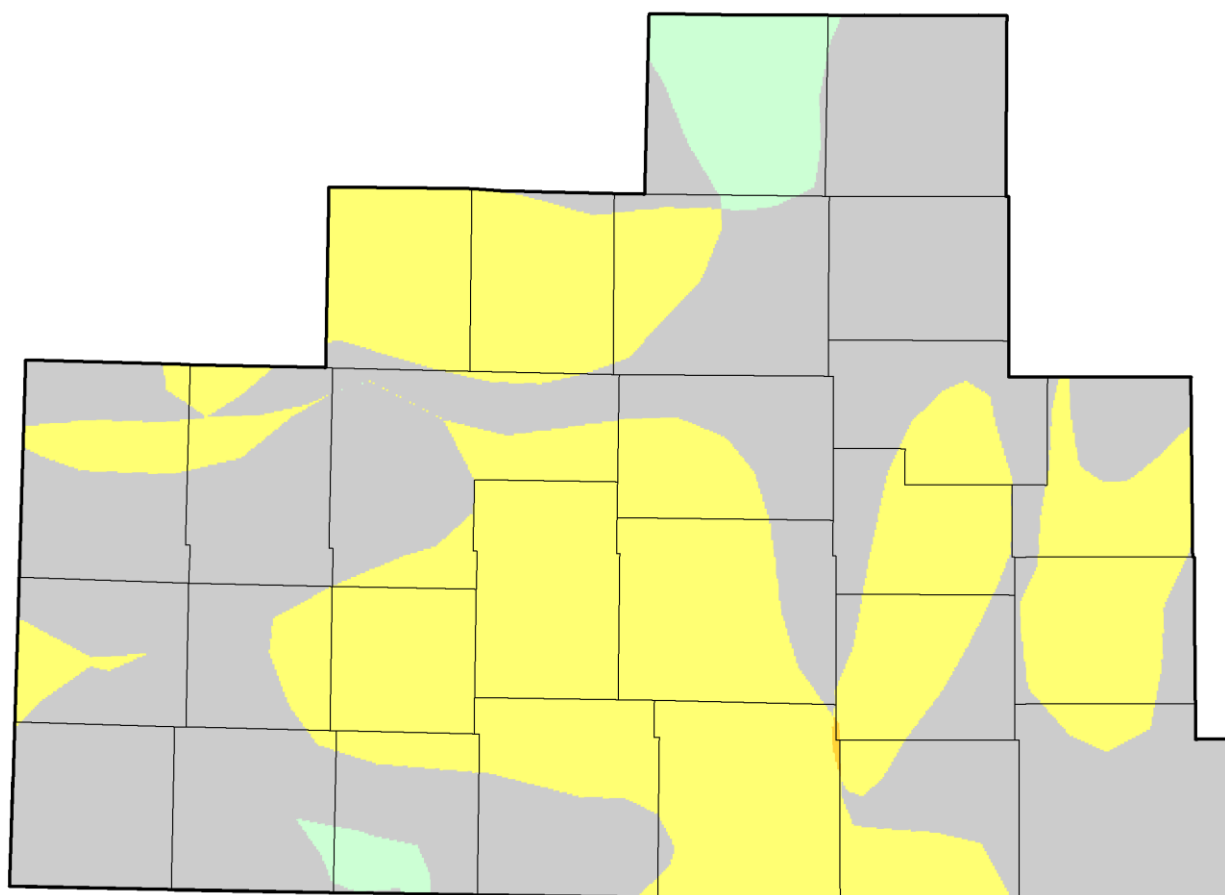


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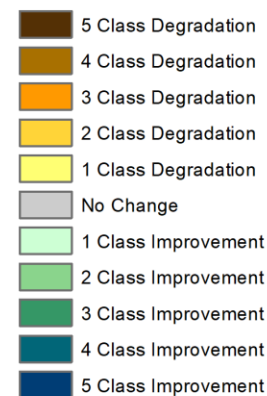
4-week Change in Drought Status

U.S. Drought Monitor Class Change - Dodge City, KS WFO
4 Week



May 10, 2022
compared to
April 12, 2022

droughtmonitor.unl.edu



Important Changes:

- Drought has worsened across parts of central and southwestern Kansas.

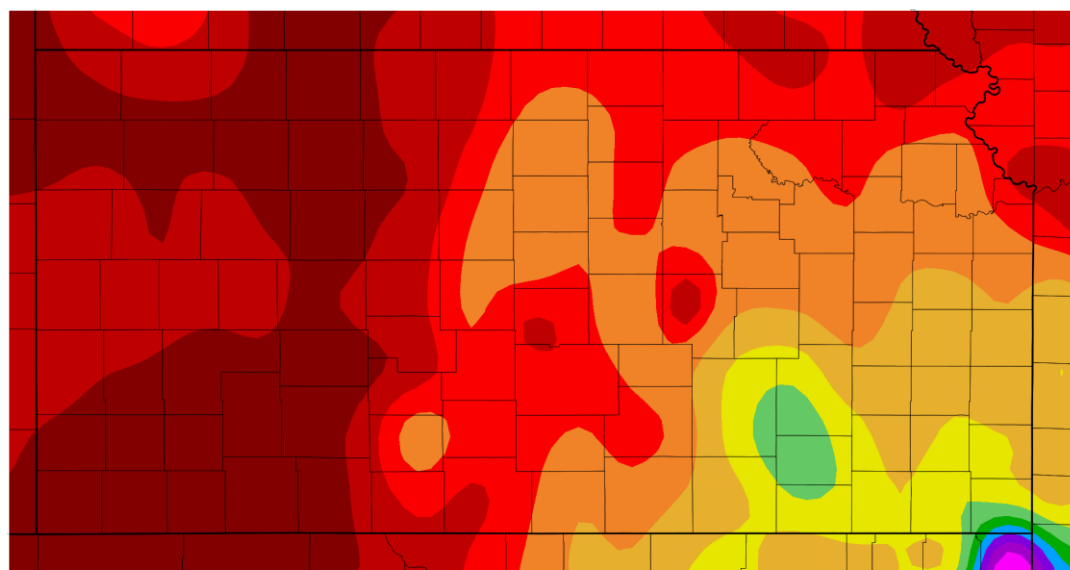


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Weekly Precipitation

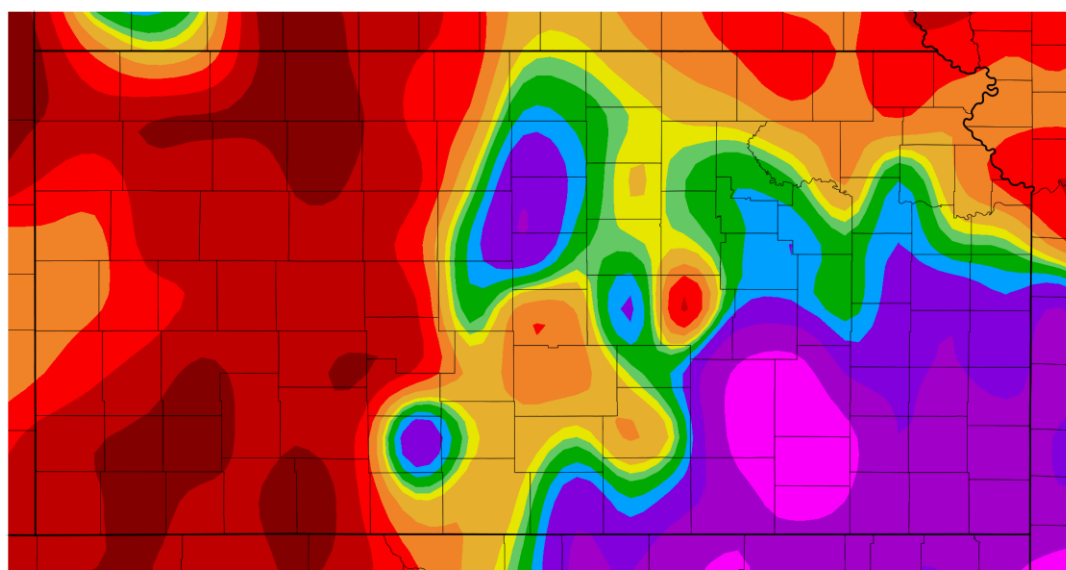
Precipitation (in)
5/5/2022 - 5/11/2022



Generated 5/12/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%)
5/5/2022 - 5/11/2022



Generated 5/12/2022 at HPRCC using provisional data.

NOAA Regional Climate Centers



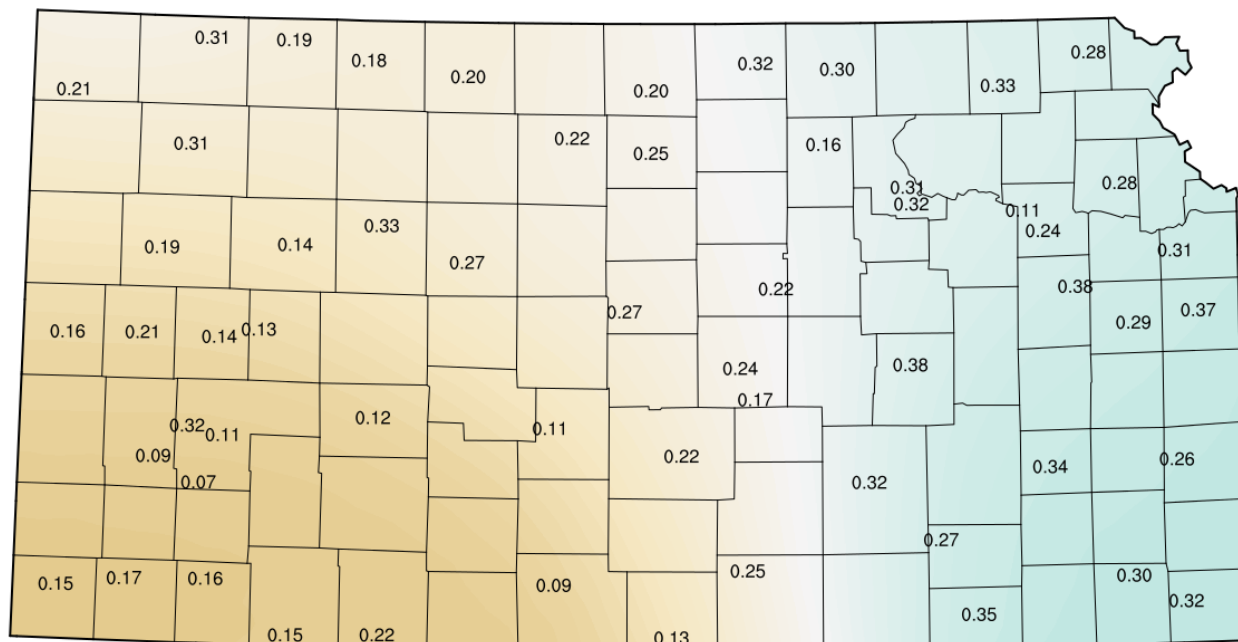


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Soil Moisture Status from Kansas State

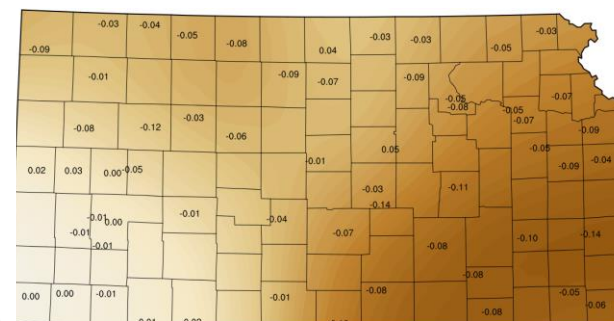
4" Soil Moisture (Volumetric Water Content)



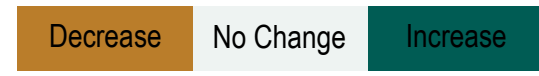
Map is representative of grassland vegetation

Kansas Mesonet - 10 cm Soil Moisture at 2022-05-12 11:38 (CST)

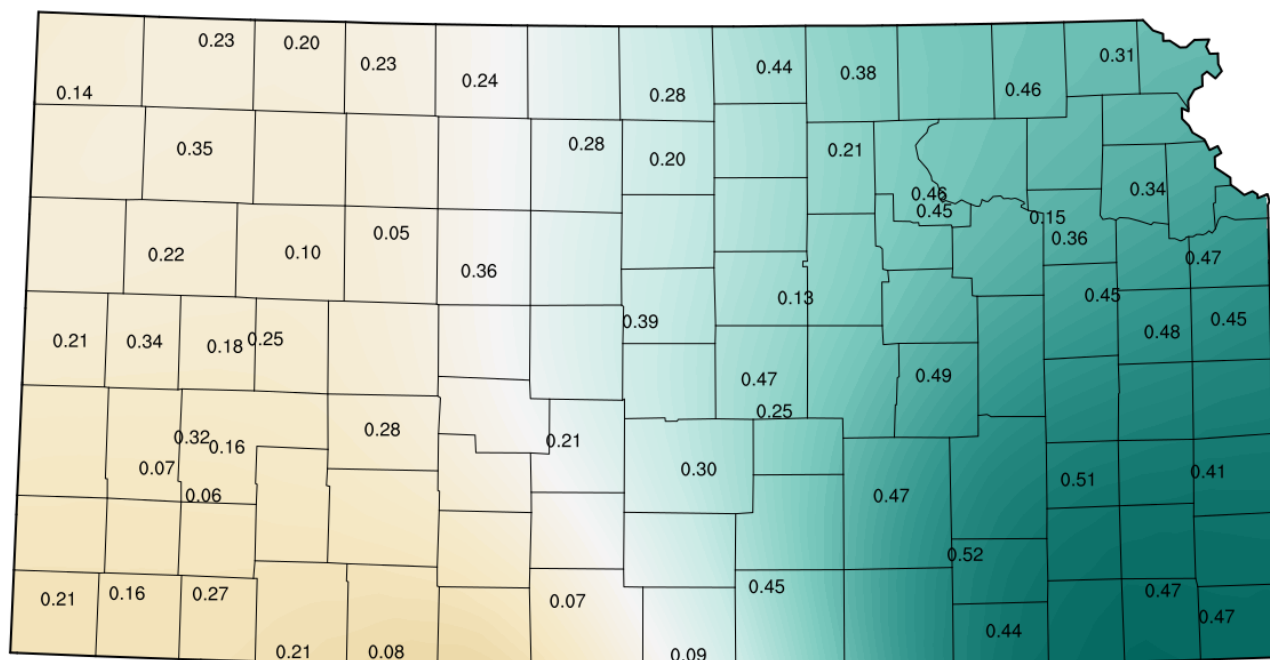
7 Day Change



Map is representative of grassland vegetation Kansas Mesonet - 10 cm Soil Moisture 7 day change at 2022-05-12 11:38 (CST)



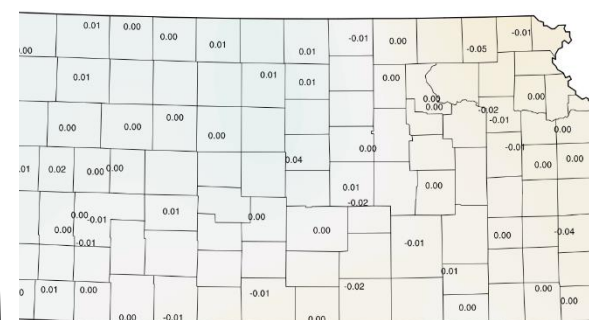
20" Soil Moisture (Volumetric Water Content)



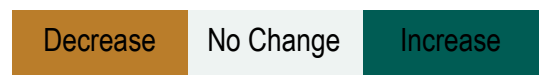
Map is representative of grassland vegetation

Kansas Mesonet - 50 cm Soil Moisture at 2022-05-12 11:38 (CST)

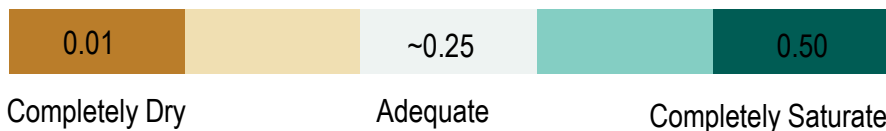
7 Day Change



Map is representative of grassland vegetation Kansas Mesonet - 50 cm Soil Moisture 7 day change at 2022-05-12 11:38 (CST)



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



Data Provided by:

KANSAS STATE UNIVERSITY | Kansas Mesonet

mesonet.ksu.edu/agriculture/soilmoist



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Impacts and Actions

- Crop condition...The wheat crop has been negatively affected by the drought. Rain is needed soon for the milo and corn crops.
- Water restrictions...N/A
- Ecological effects...N/A
- Other...N/A



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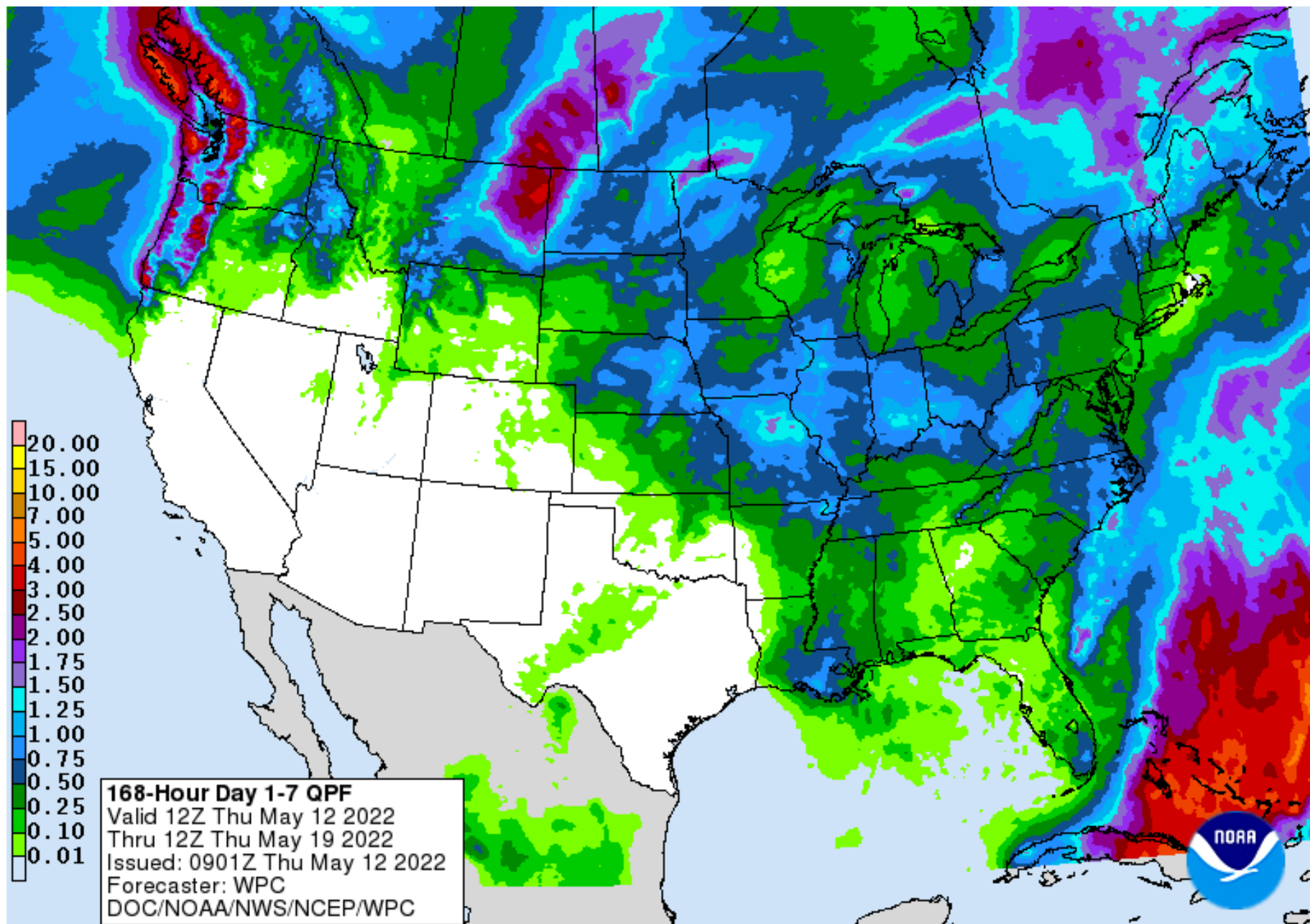
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WPC 7-day Precipitation Forecast

12 May 2022 to 19 May 2022

Rainfall will be limited over the next week and mainly confined to central Kansas.



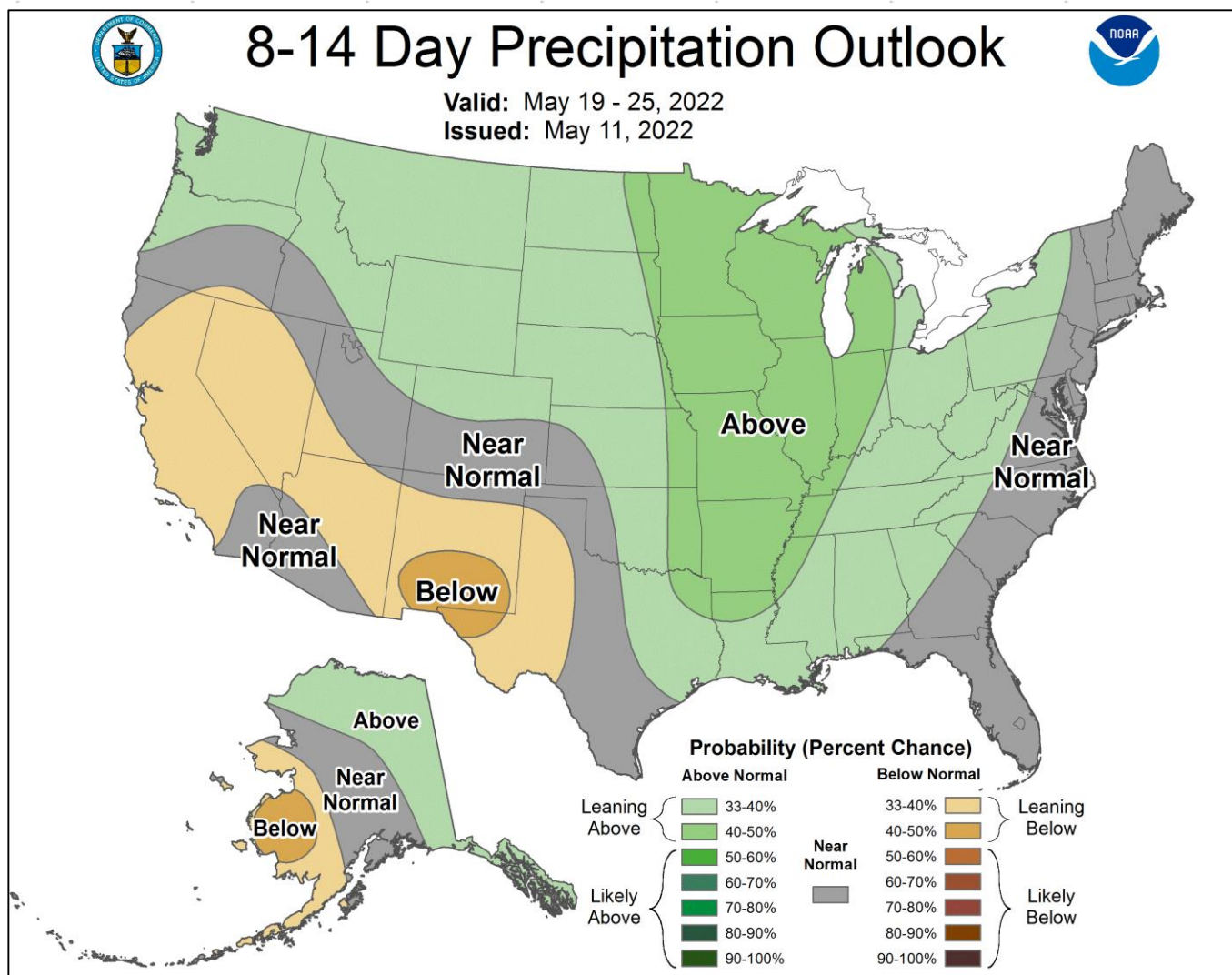


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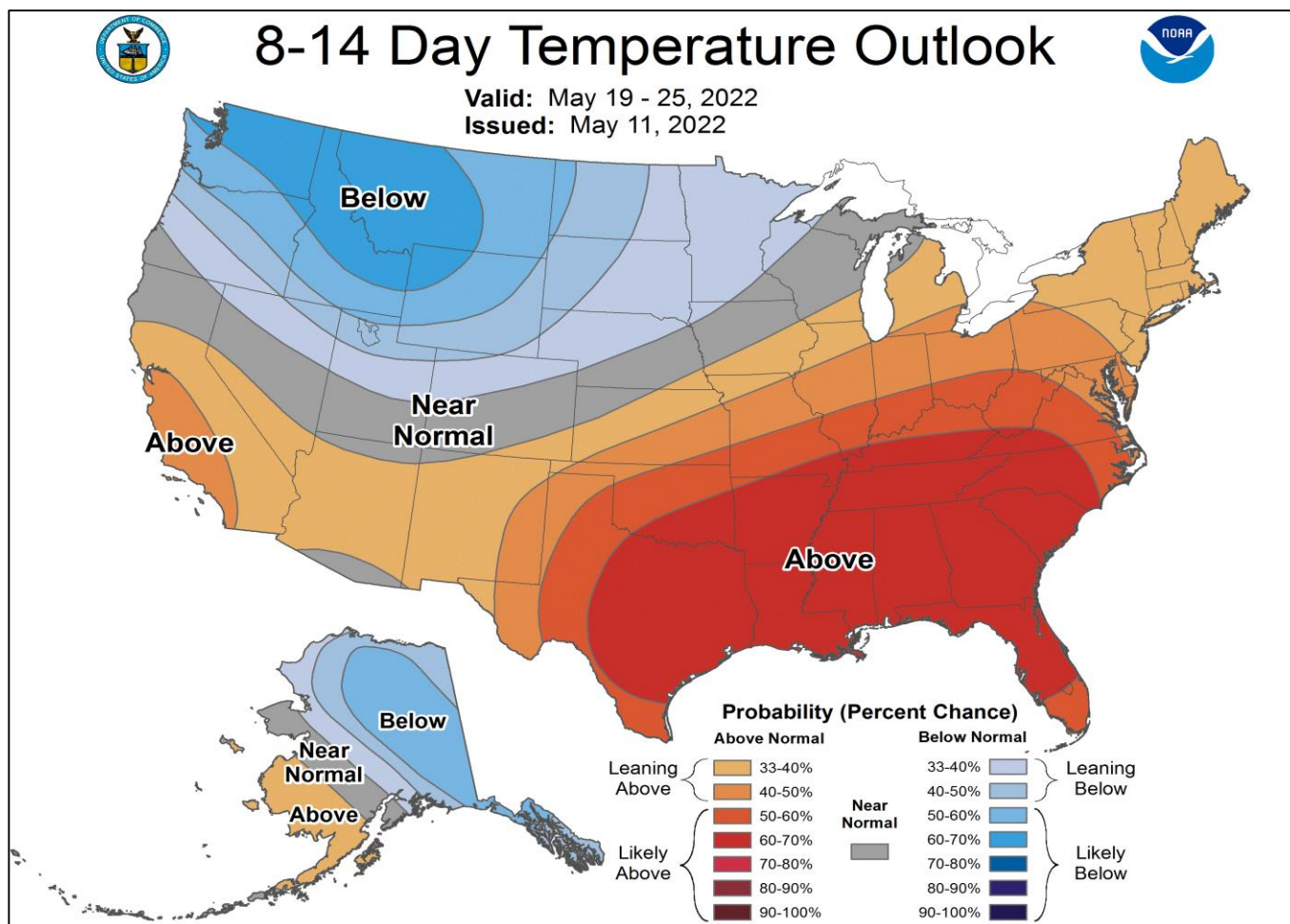
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CPC Week 2 Outlooks for 19 May to 25 May

Precipitation



Temperature



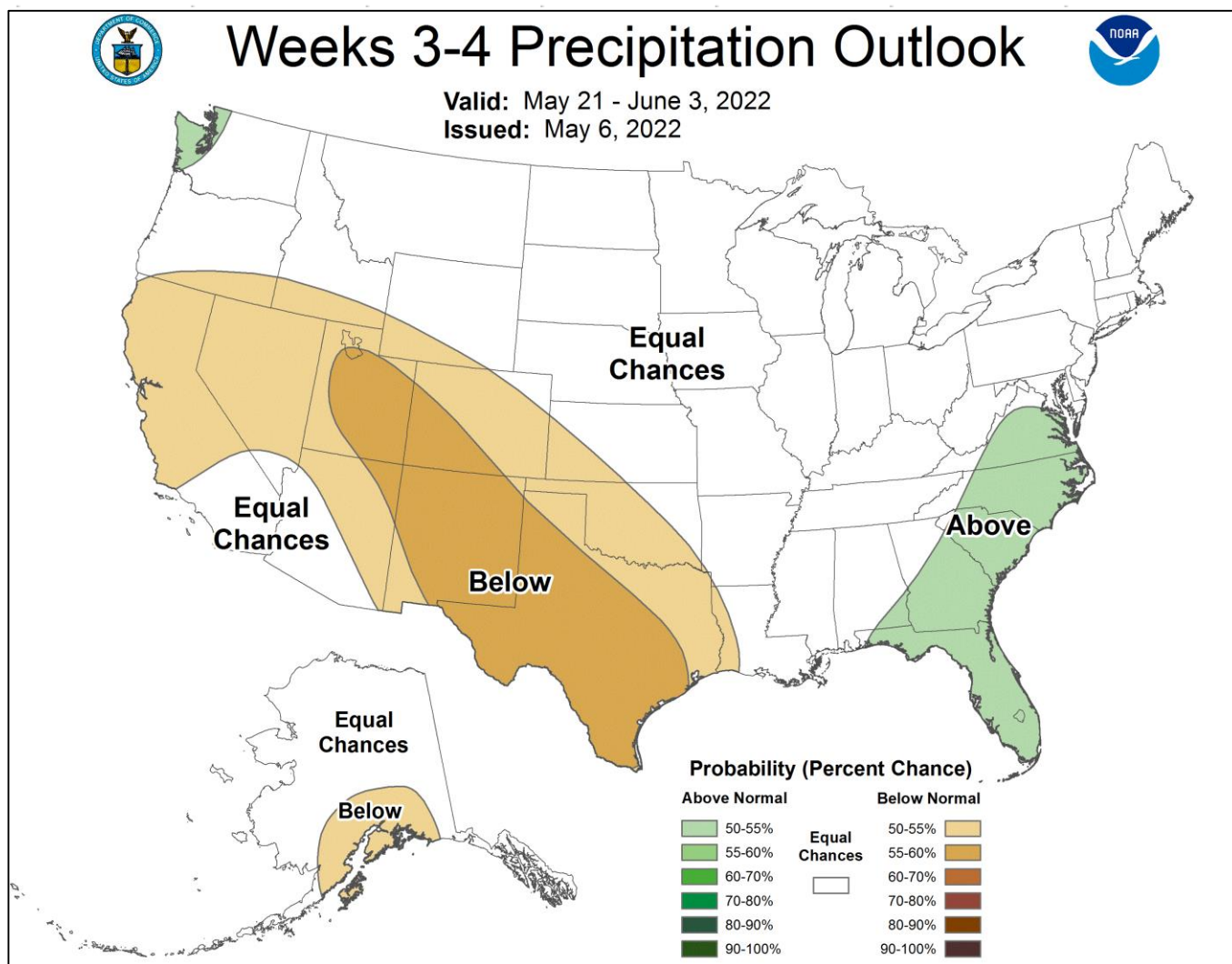


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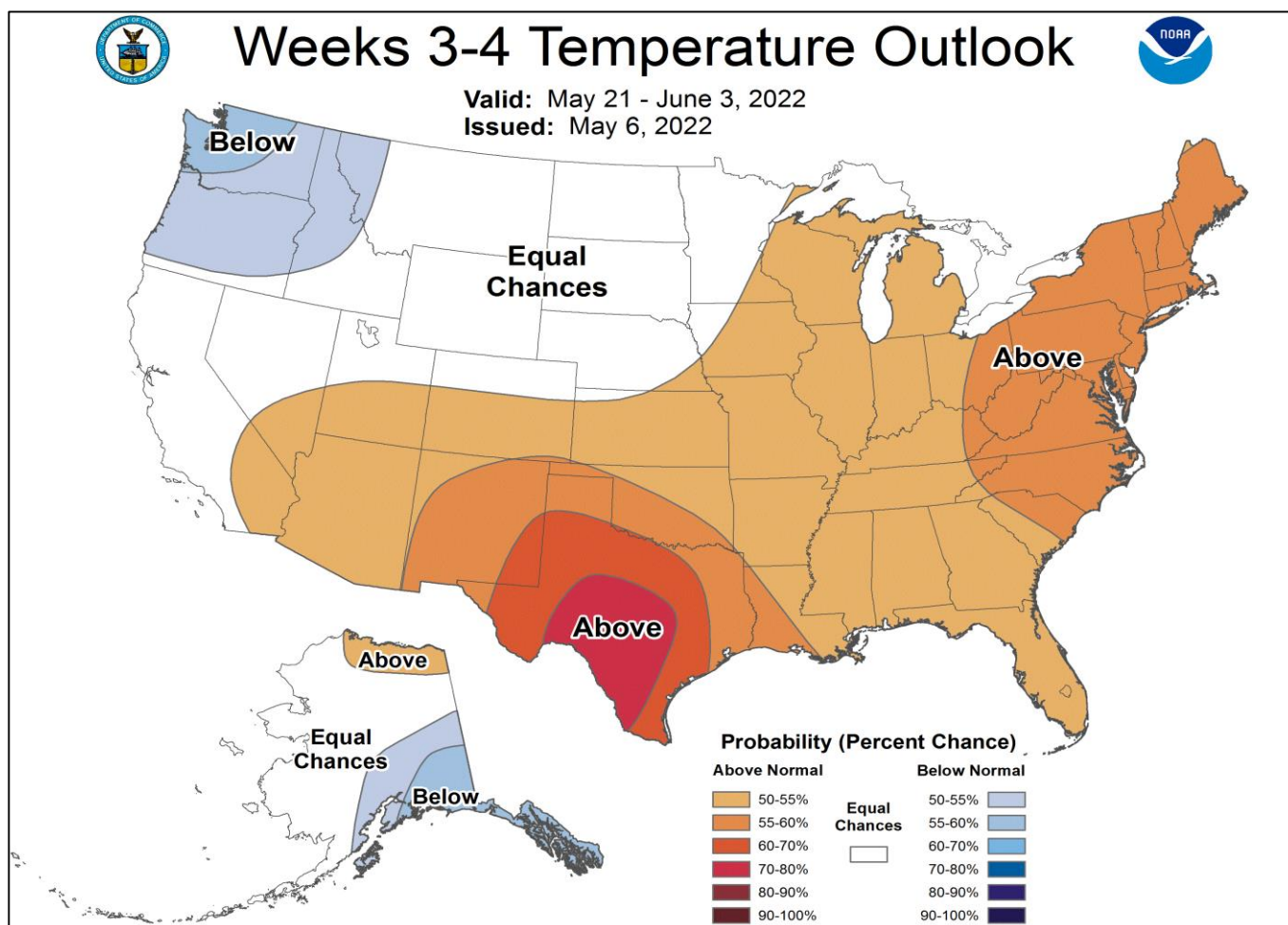
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CPC Week 3-4 Outlooks for 21 May to 3 June

Precipitation



Temperature

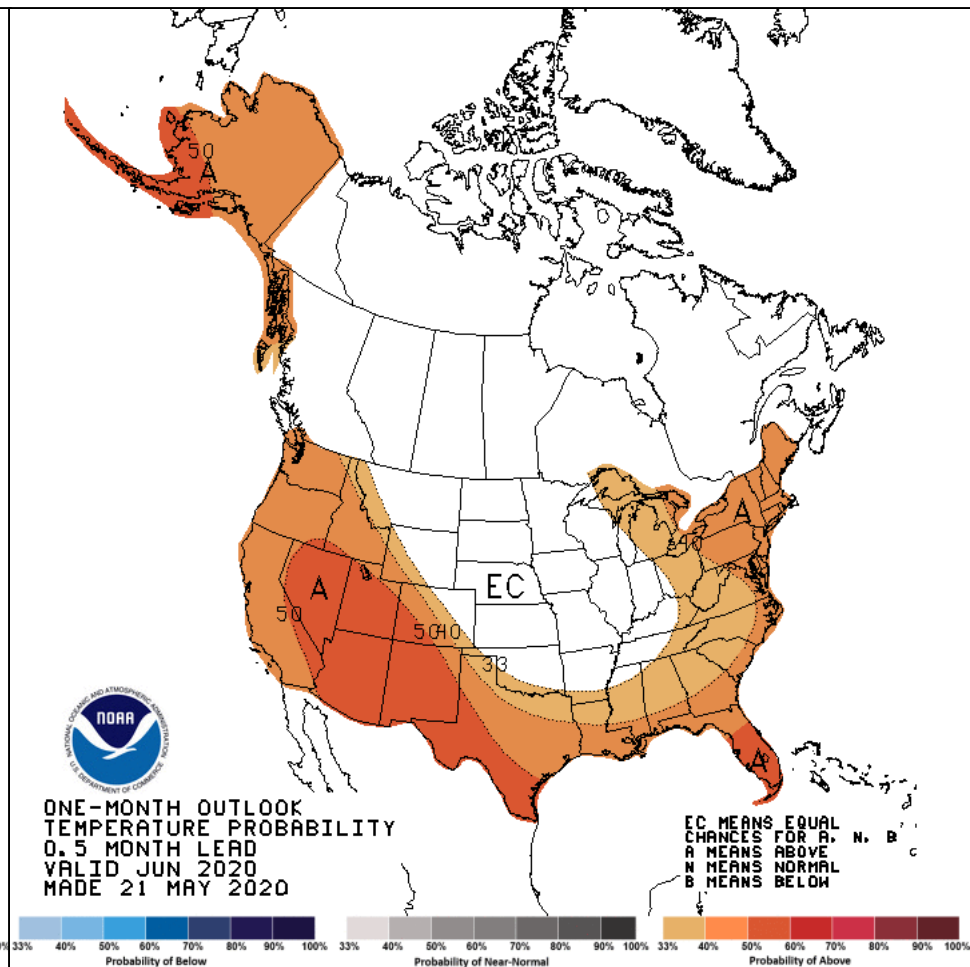
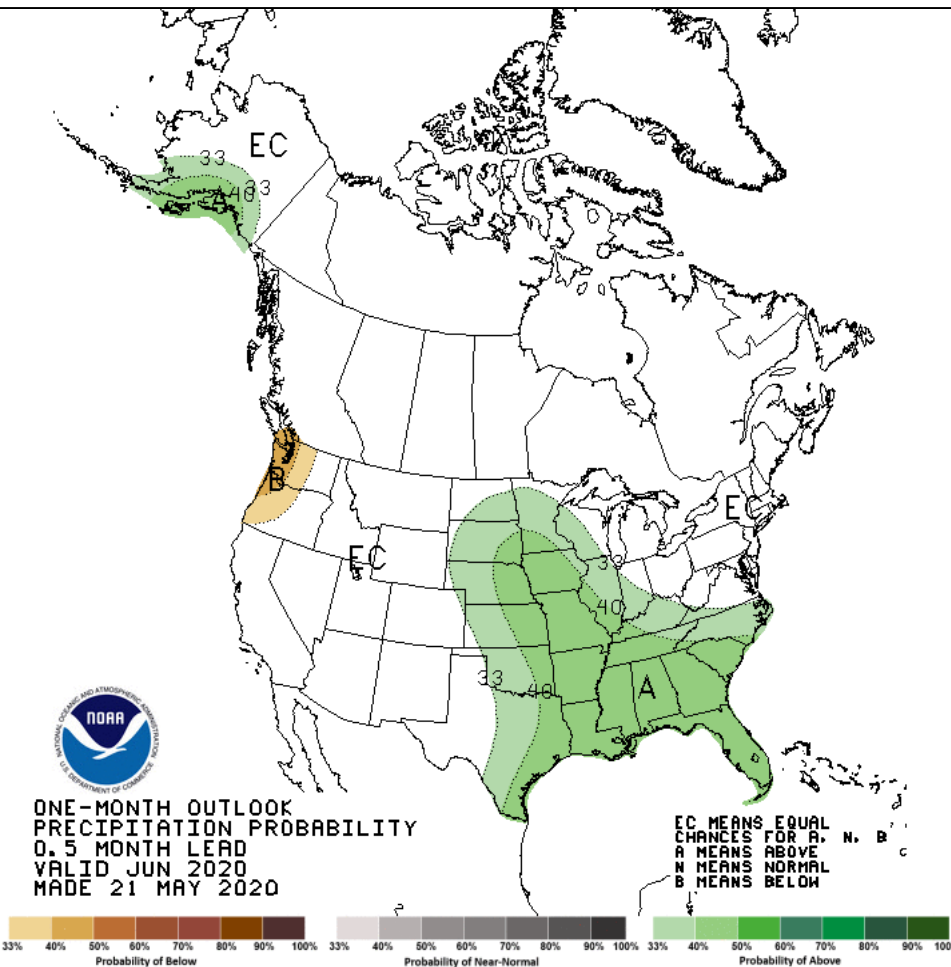




Drought Briefing

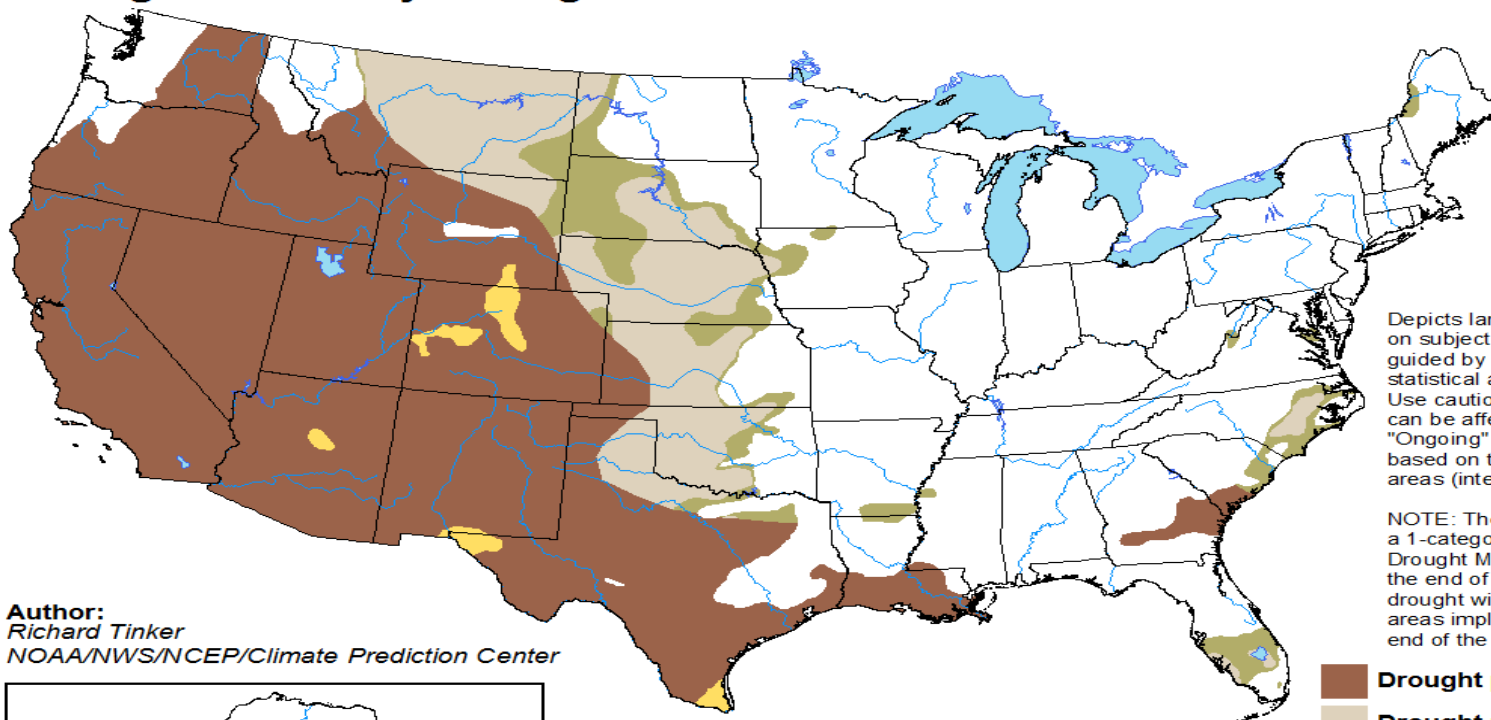
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CPC Monthly Outlooks for June



U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for May 2022
Released April 30, 2022



Author:
Richard Tinker
NOAA/NWS/NCEP/Climate Prediction Center

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**



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



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Summary

- D3 & D4 drought is ongoing across parts of far southwestern Kansas.
- Mainly dry weather is expected over the next week, which will exacerbate the drought in some places.
- The wheat crop has been negatively affected by the drought.
- Rain is needed over the next few weeks to aid in the corn and milo crops.

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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