

MAC-T Monthly Call

Midwest Agriculture and Climate Team

July 12, 2023

For more information:

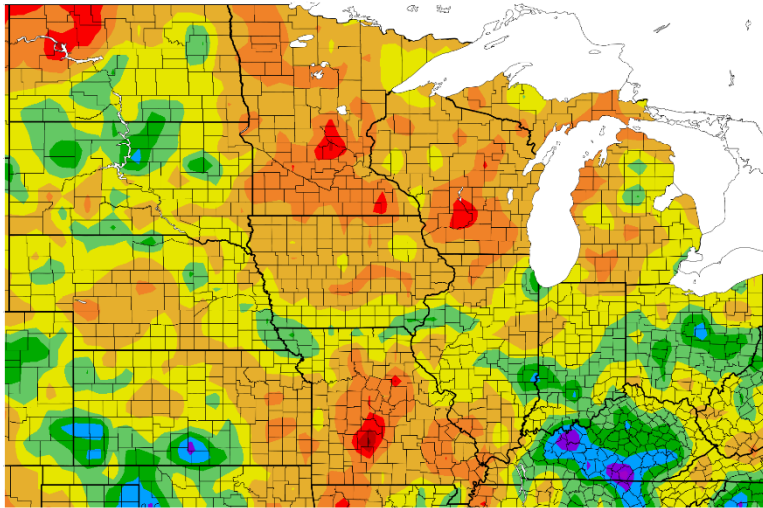
Dennis.todey@usda.gov



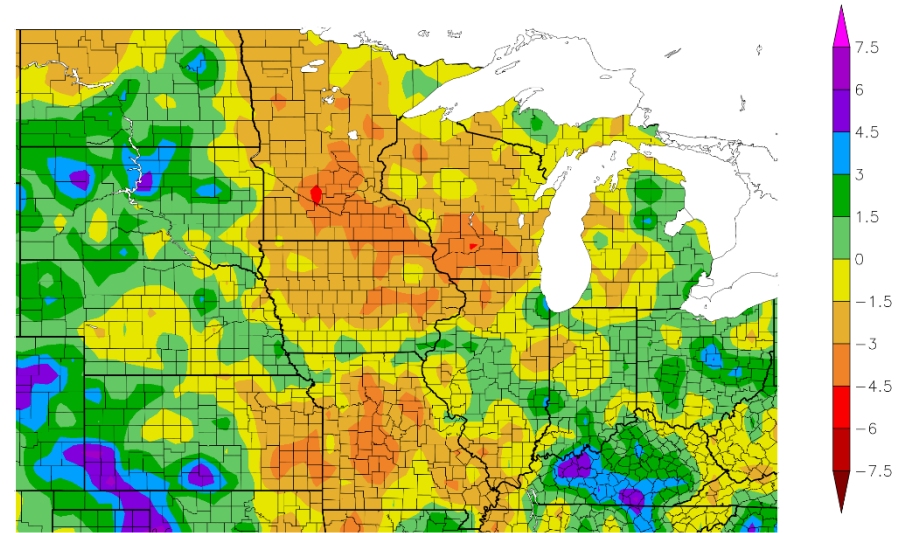
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Precipitation (in)
6/11/2023 – 7/10/2023



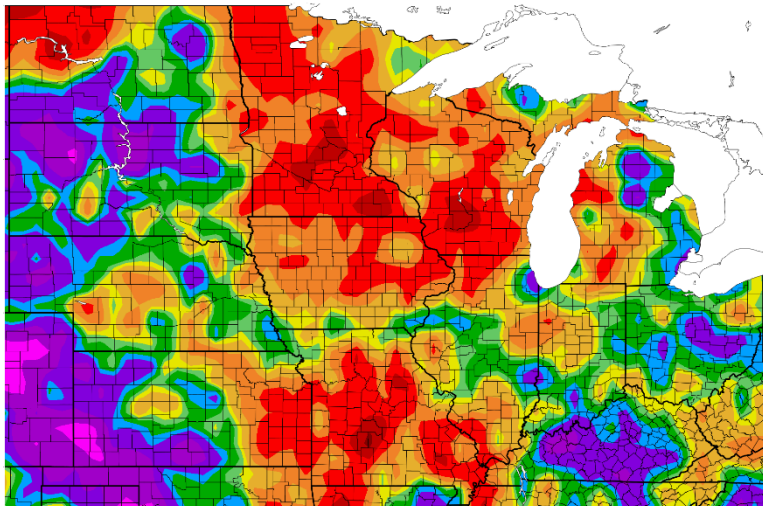
Departure from Normal Precipitation (in)
6/11/2023 – 7/10/2023



Generated 7/11/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%)
6/11/2023 – 7/10/2023



Generated 7/11/2023 at HPRCC using provisional data.

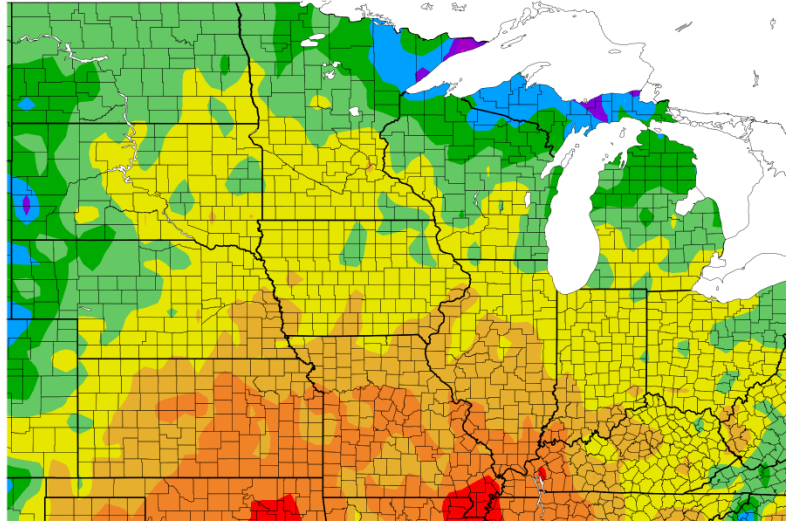
NOAA Regional Climate Centers

Generated 7/11/2023 at HPRCC using provisional data.

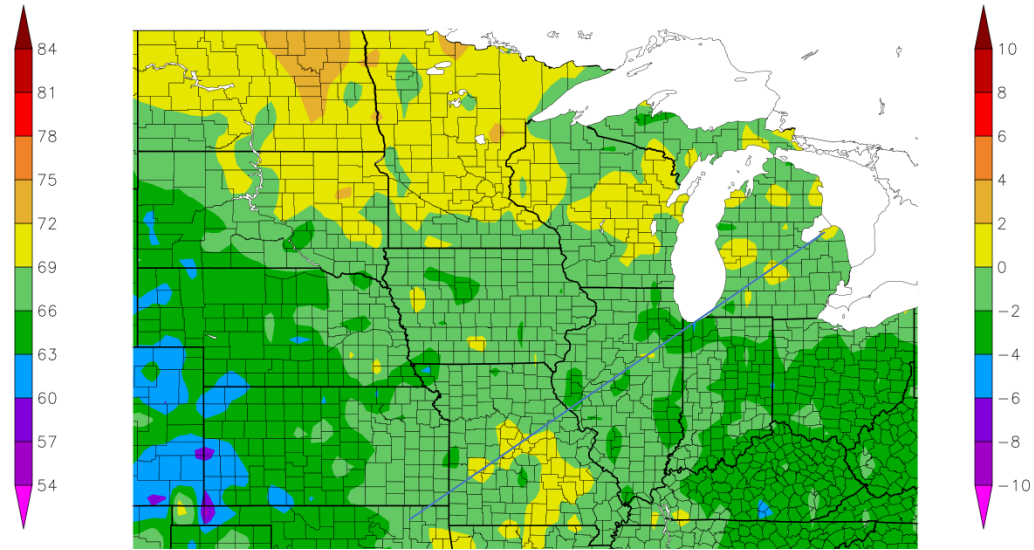
NOAA Regional Climate Centers

- Still widespread severe dryness – especially MN/WI to MO.
- Despite some recent rains.
- Plains and eastern areas improved.

Temperature (F)
6/11/2023 – 7/10/2023



Departure from Normal Temperature (F)
6/11/2023 – 7/10/2023



Generated 7/11/2023 at HPRCC using provisional data.

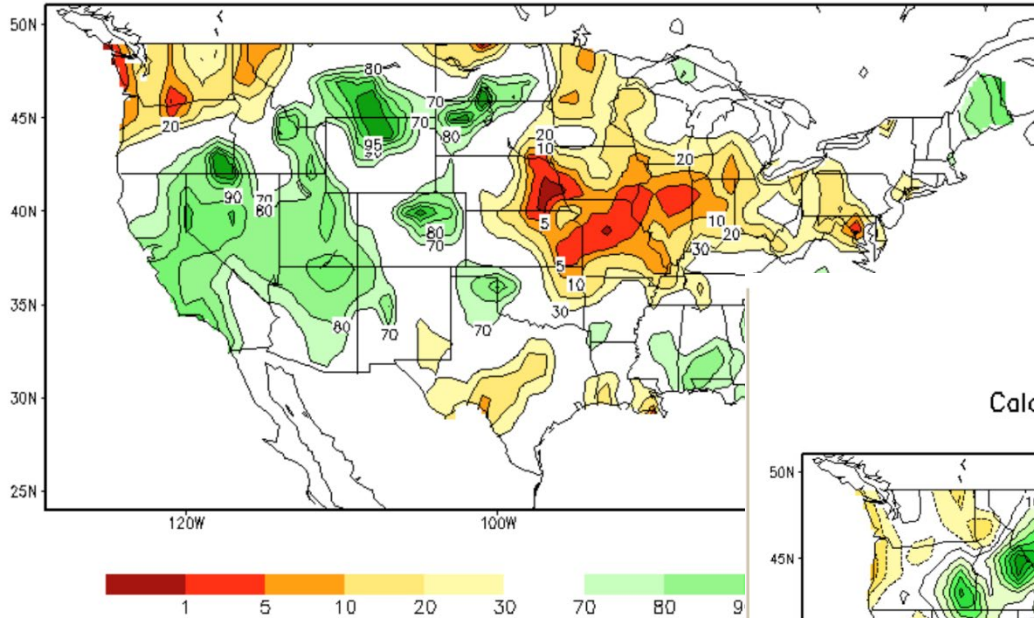
NOAA Regional Climate Centers Generated 7/11/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

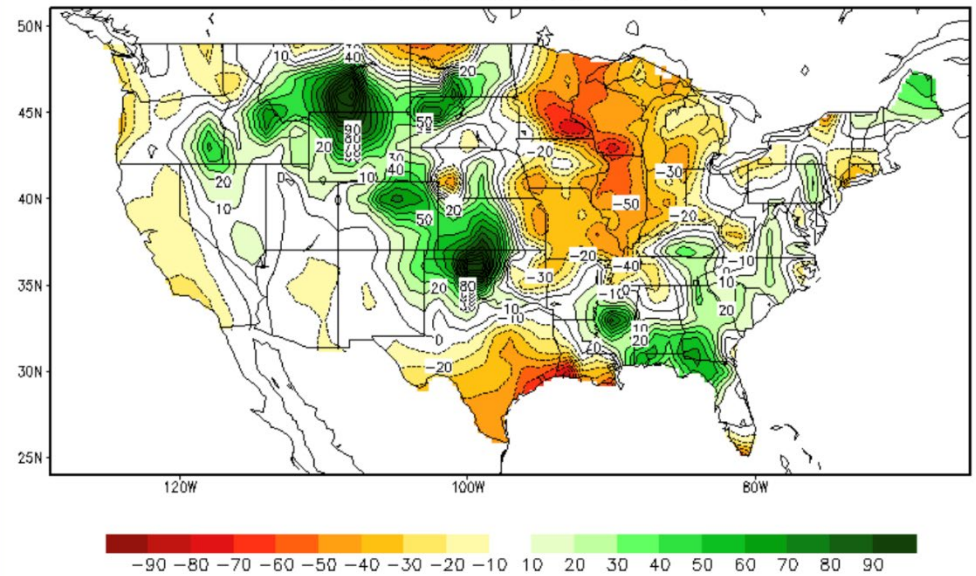
- Warmest area south central (as per usual)
- Nearly whole area below average (up to 4F)
- North Dakota/MN slightly above average.
- Very beneficial – easing crop stress.

Soil Moisture

Calculated Soil Moisture Ranking Percentile
JUN 27, 2023



Calculated Soil Moisture Anomaly Change
JUN 27, 2023 from MAY 31

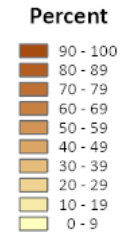
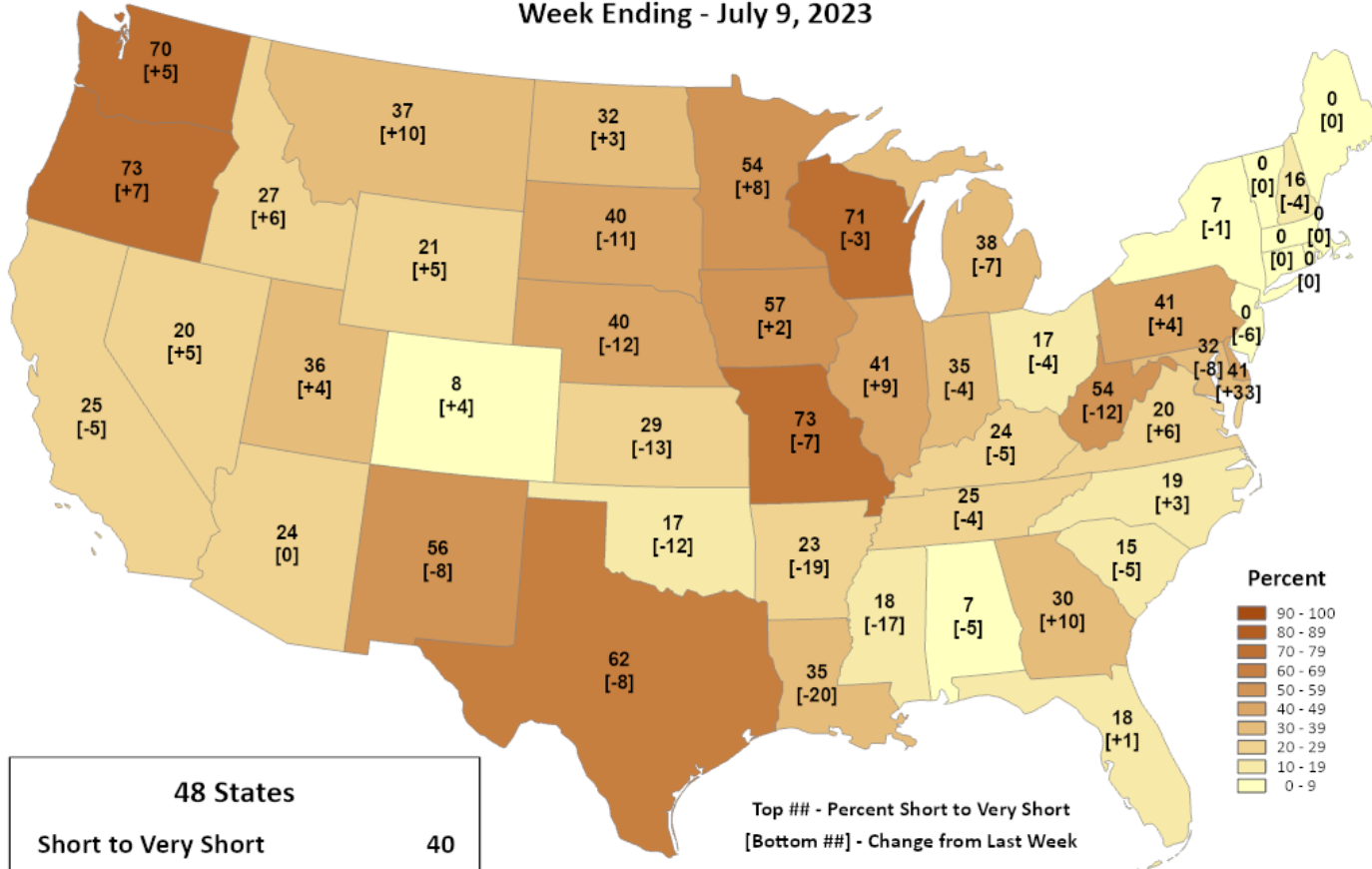


Soil Moisture (NASS)



This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)

Topsoil Moisture Percent Short to Very Short Week Ending - July 9, 2023



48 States	
Short to Very Short	40
Change from Last Week	-2

Top ## - Percent Short to Very Short
Bottom ## - Change from Last Week

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

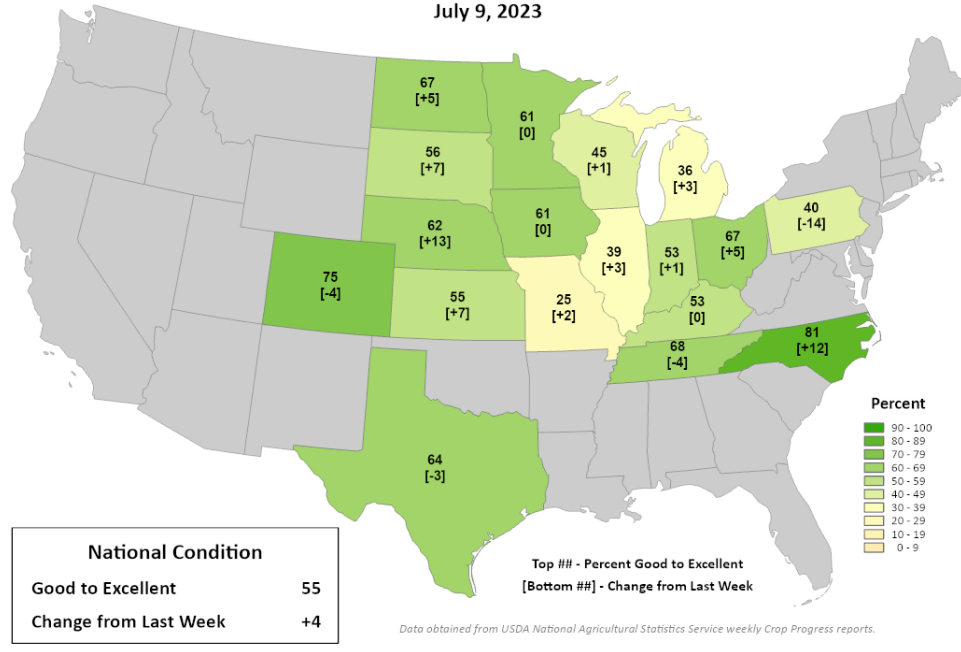
- Seeing some slight improvement across the region, but still have a significant amount of S-VS soil moisture.
- Central states worst

Corn Conditions (NASS)



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World Agricultural Outlook Board (WAOB)

Corn Conditions Percent Good to Excellent July 9, 2023

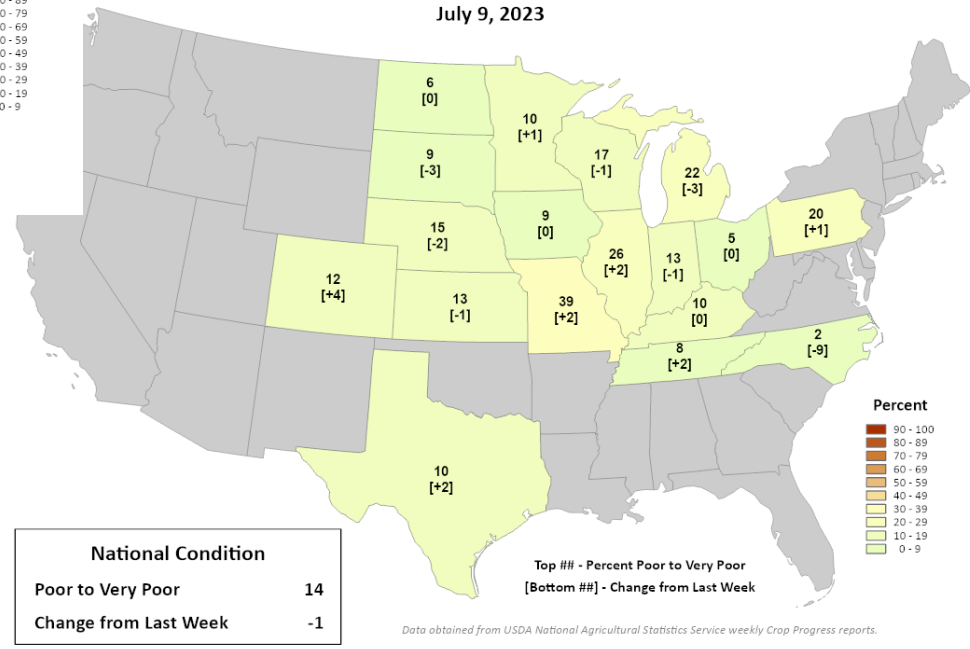


- Some slight improvement in corn conditions across the region.
- Still decent amounts of corn not in good condition.



prepared by the
Chief Economist (OCE)
Outlook Board (WAOB)

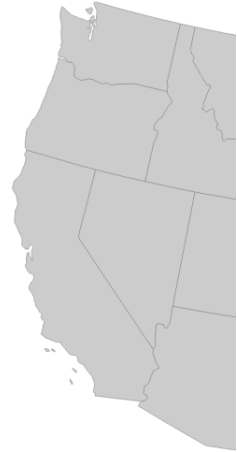
Corn Conditions Percent Poor to Very Poor July 9, 2023



Corn Conditions (NASS)



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World Agricultural Outlook Board (WAOB)



Corn Conditions



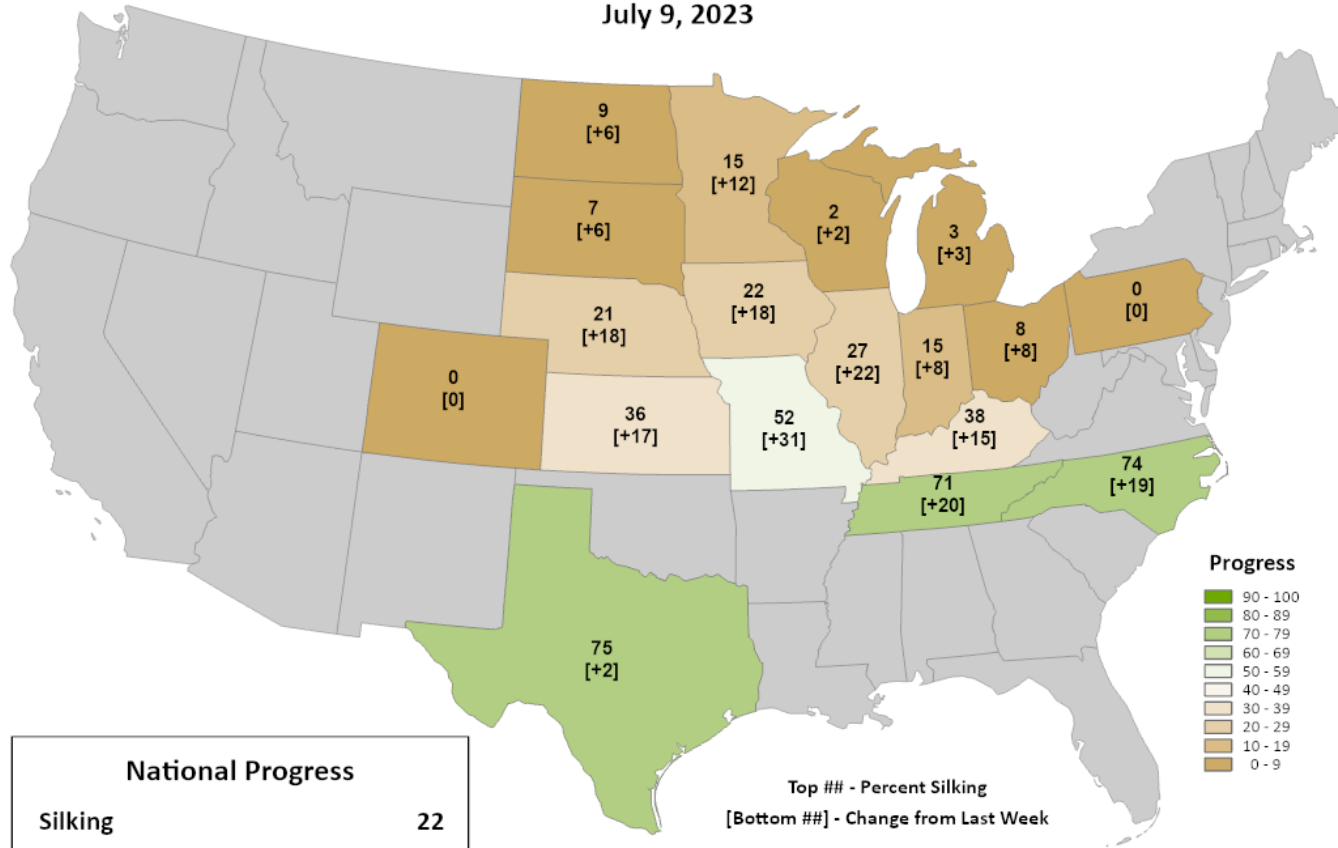
United States
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Agriculture

This product was prepared by the
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Corn Progress

Percent Silking

July 9, 2023



National Condition

Good to Excellent

Change from Last Week

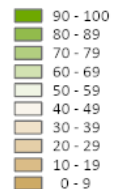
National Progress

Silking **22**

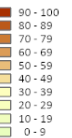
Change from Last Week **+14**

Top ## - Percent Silking
[Bottom ##] - Change from Last Week

Progress



Percent



Top ## - Percent Very Poor to Very Poor
[Bottom ##] - Change from Last Week

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

- Some slight improvement in corn on.
- Corn not in



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Poor to Very Poor **14**

Change from Last Week **-1**

Soybean Conditions (NASS)

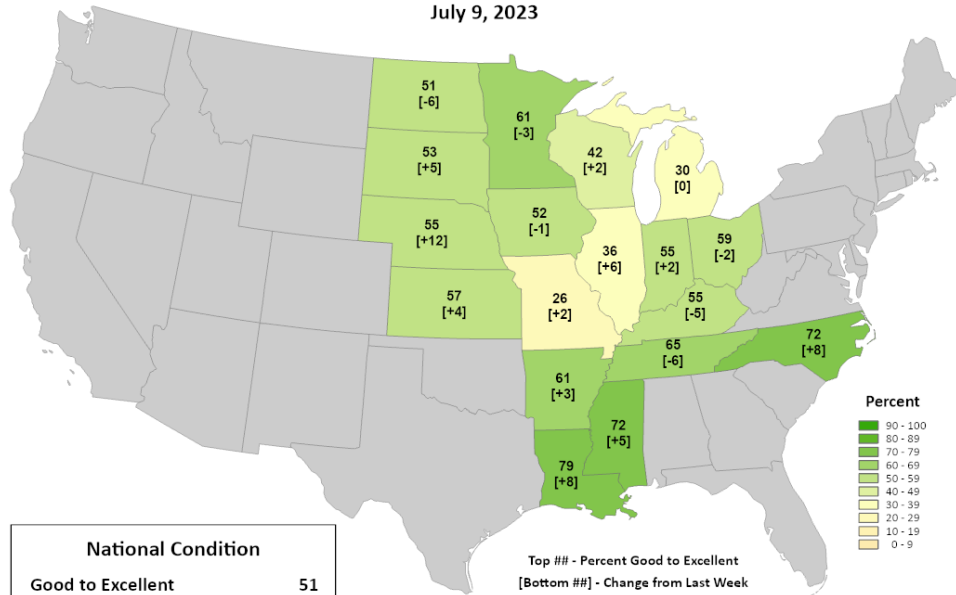


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Soybean Conditions

Percent Good to Excellent

July 9, 2023



National Condition

Good to Excellent **51**
Change from Last Week **+1**

Top ## - Percent Good to Excellent
[Bottom ##] - Change from Last Week

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

- Bean condition slightly worse than corn.
- Shifting of conditions by state.

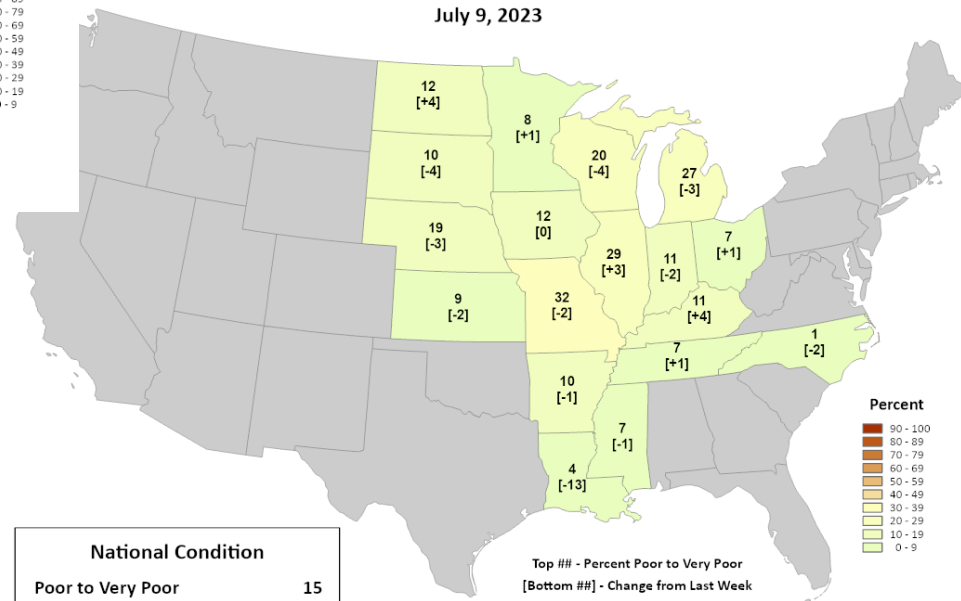


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Soybean Conditions

Percent Poor to Very Poor

July 9, 2023



National Condition

Poor to Very Poor **15**
Change from Last Week **0**

Top ## - Percent Poor to Very Poor
[Bottom ##] - Change from Last Week

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

Pasture/Range Conditions (NASS)



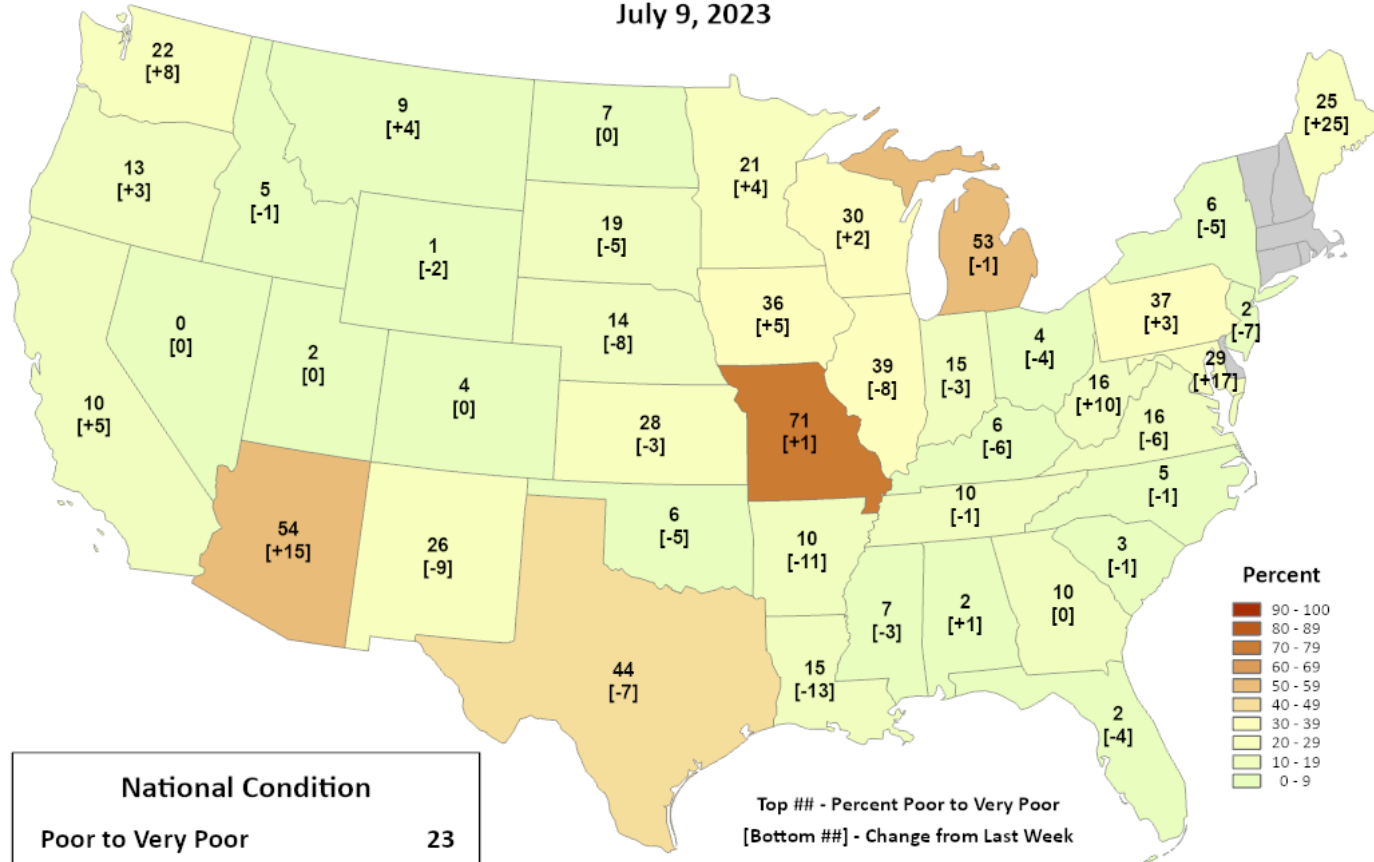
United States
Department of
Agriculture

*This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)*

Pasture and Range Conditions

Percent Poor to Very Poor

July 9, 2023



Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

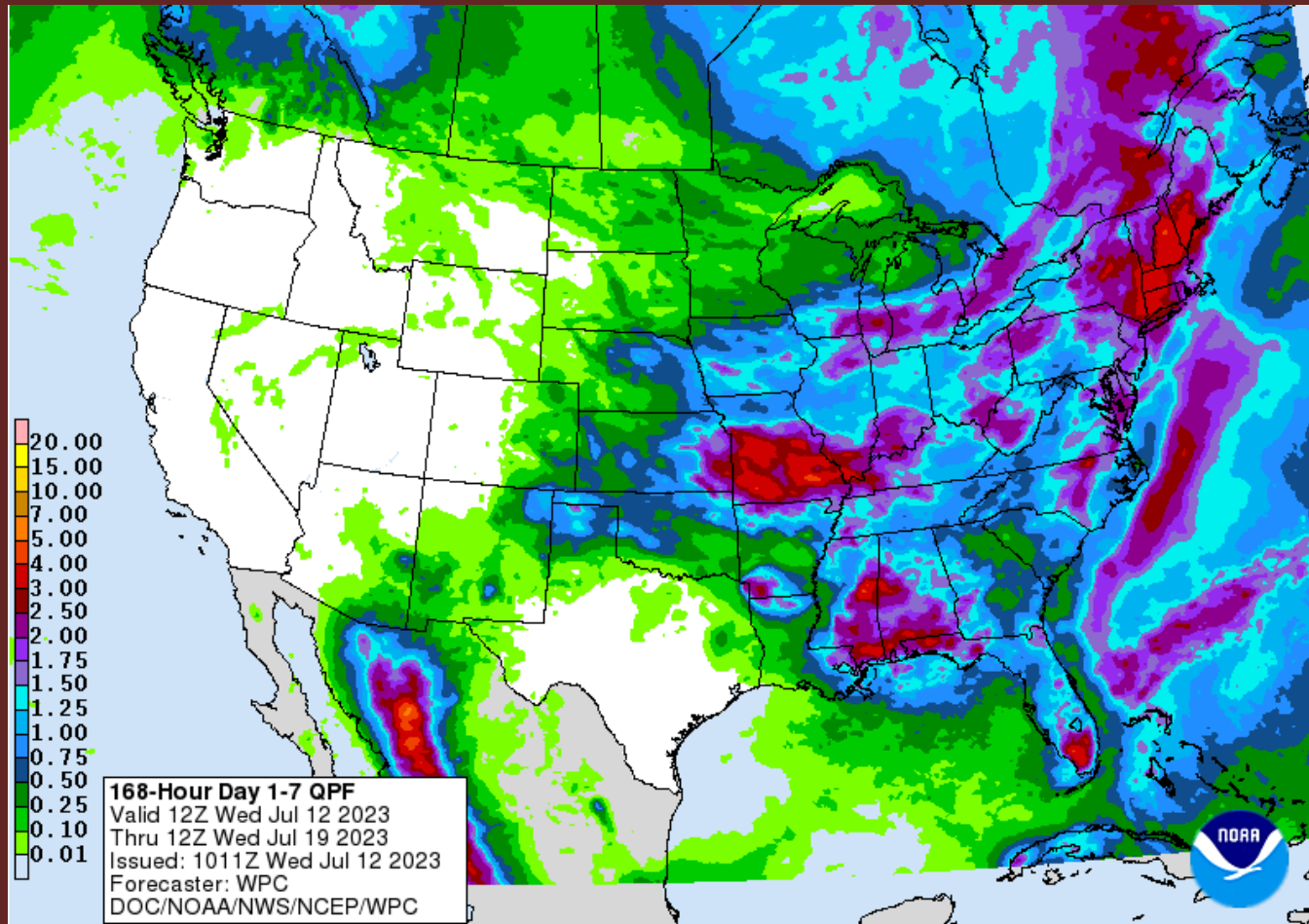


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Assorted AG Issues

- Still very dry soils through much of central states in region.
- Crop conditions slightly better (in places). Rain and cool temperatures have helped. Lots of crop still stressed.
- Irrigation demand for specialty crops

1-7 Day Precip



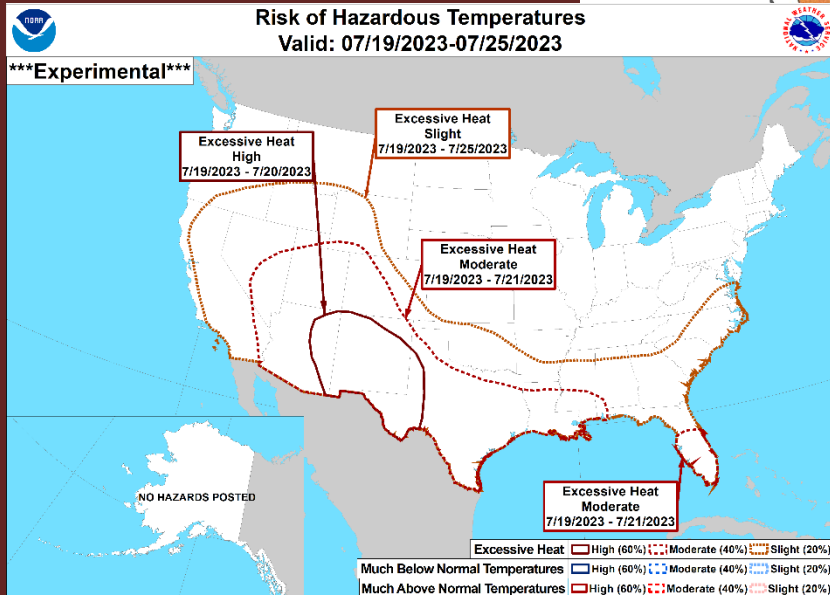
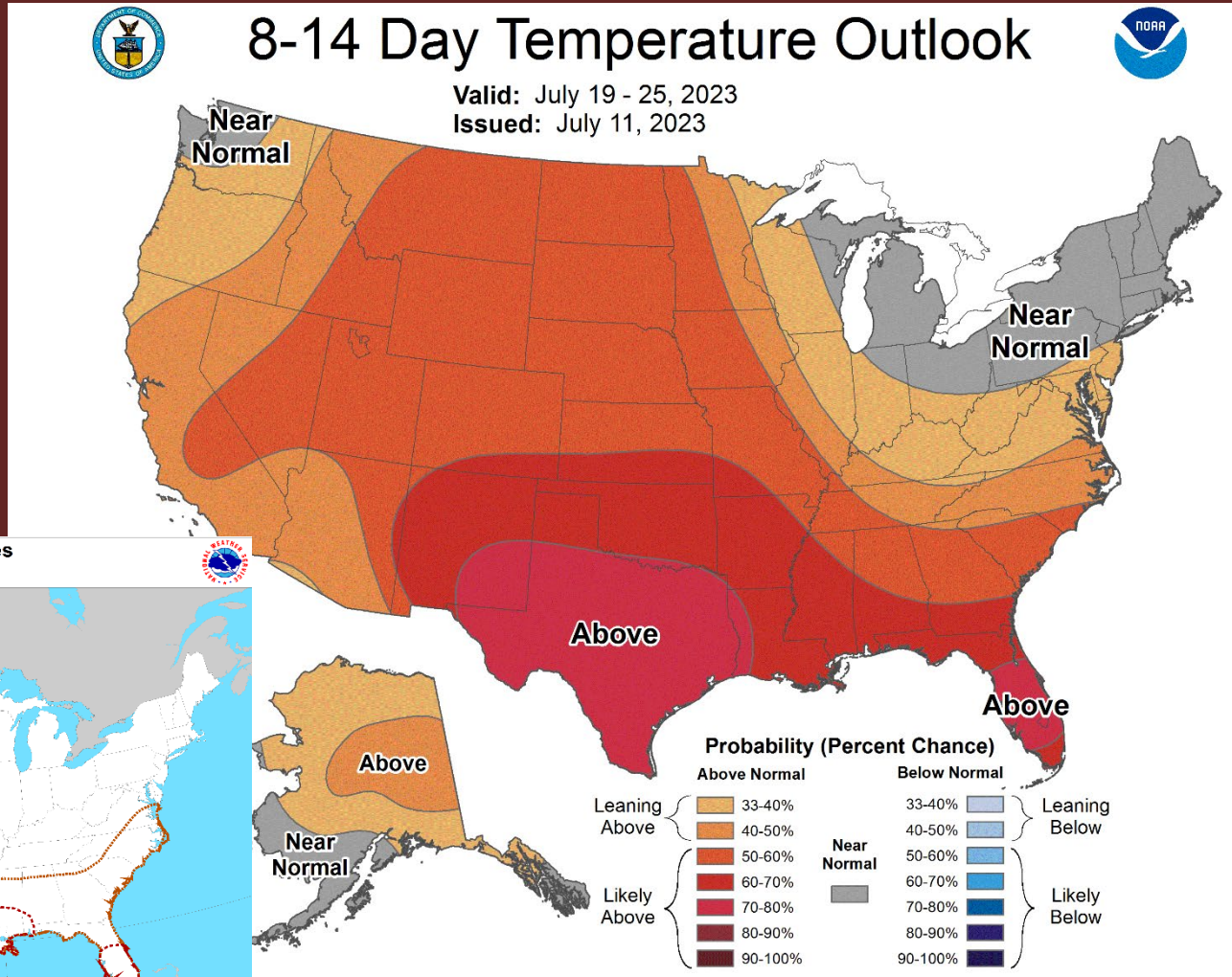
Next 7 days

- Heat still holding off most of the area
- Fairly active central – east.
- Lesser chances north.

<http://www.wpc.ncep.noaa.gov/qpf/day1-7.shtml>

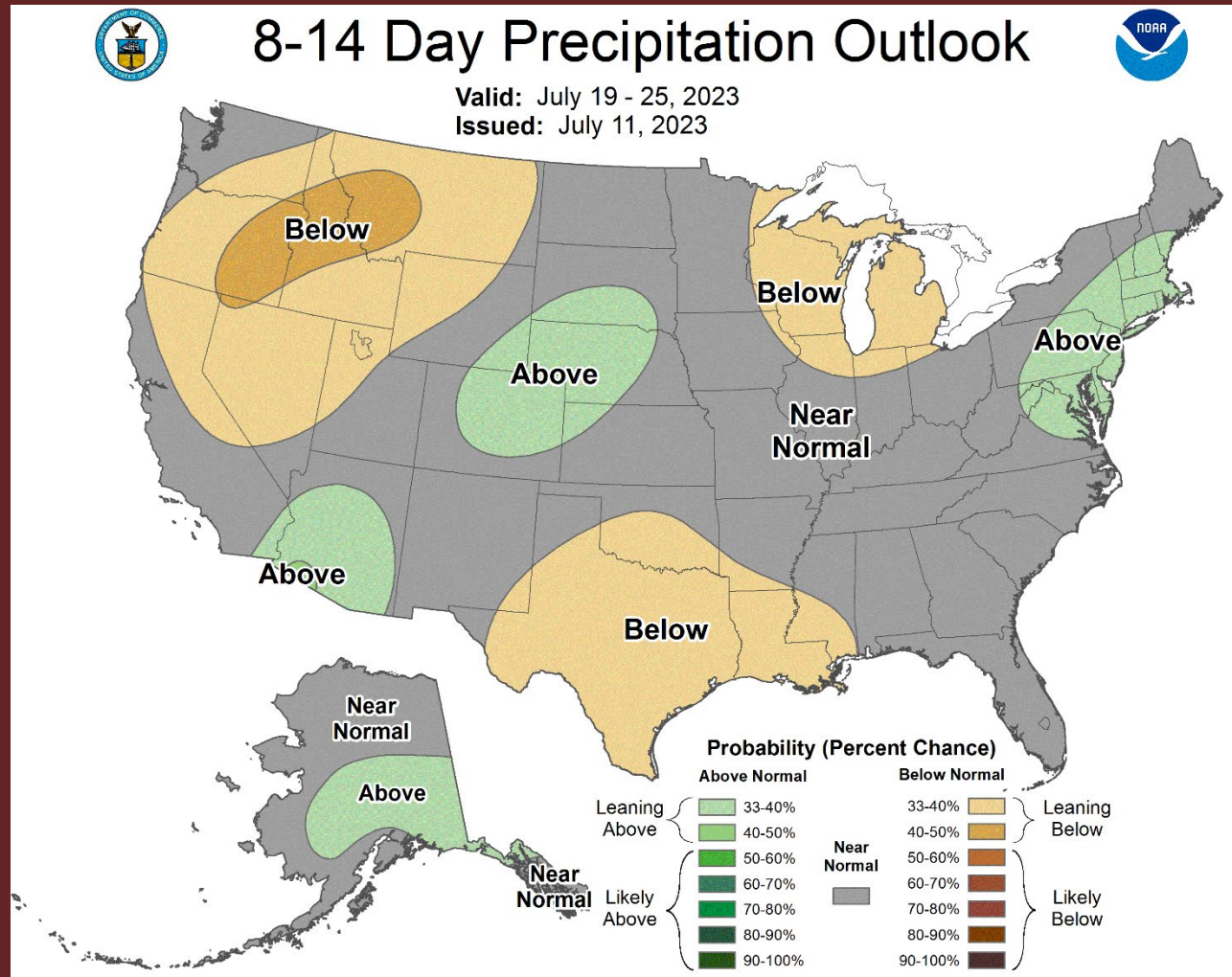
Temperature Outlook

- Likely warmer than normal throughout the Midwest and Plains.
- Some excessive heat possible – south.



Precipitation Outlook

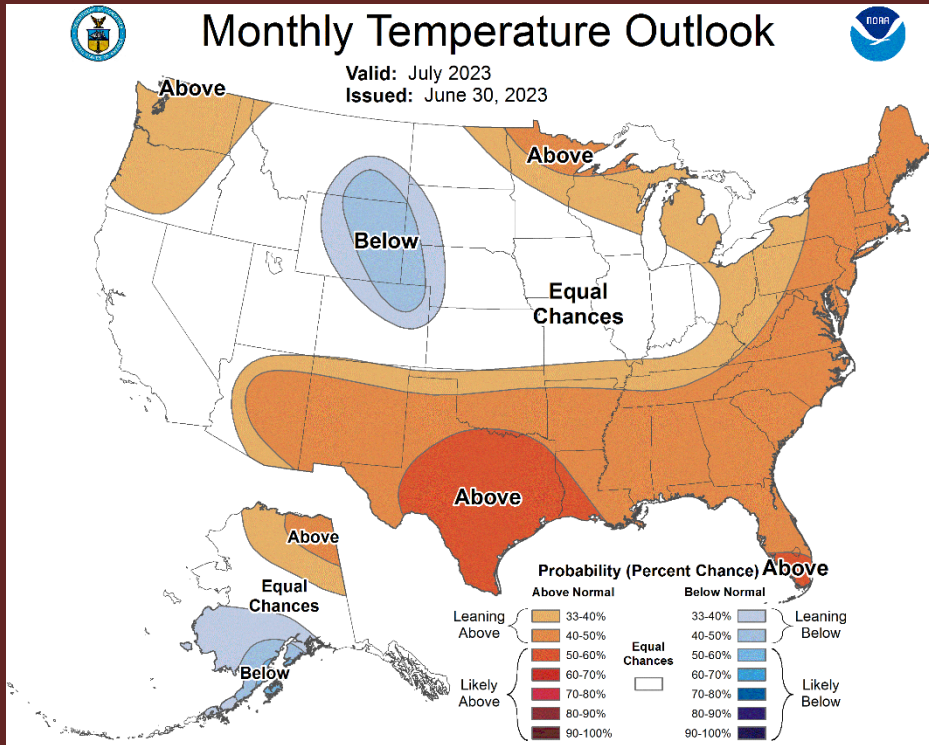
- Slight chance wetter in the Plains.
- Near normal band
- Slightly below chances Great Lakes.
- Generally weaker indications.



1-Month Outlook

Monthly Temperature Outlook

Valid: July 2023
Issued: June 30, 2023

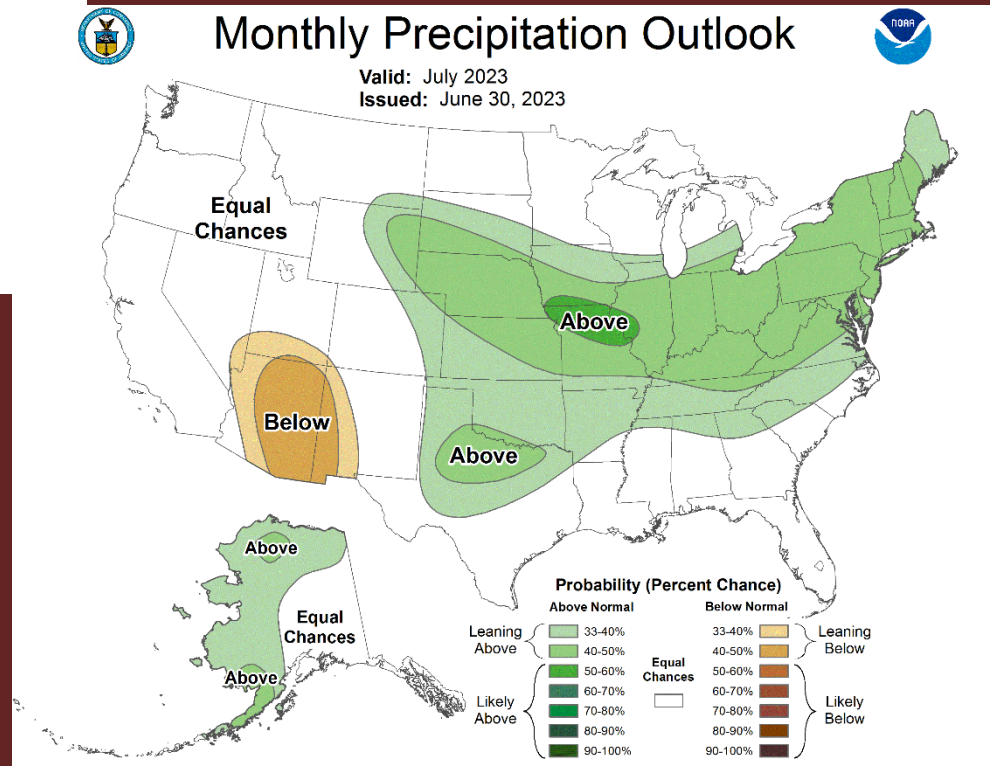


July Monthly Outlook

- Warmer more likely to the north.
- Good chance wetter across most of the region.

Monthly Precipitation Outlook

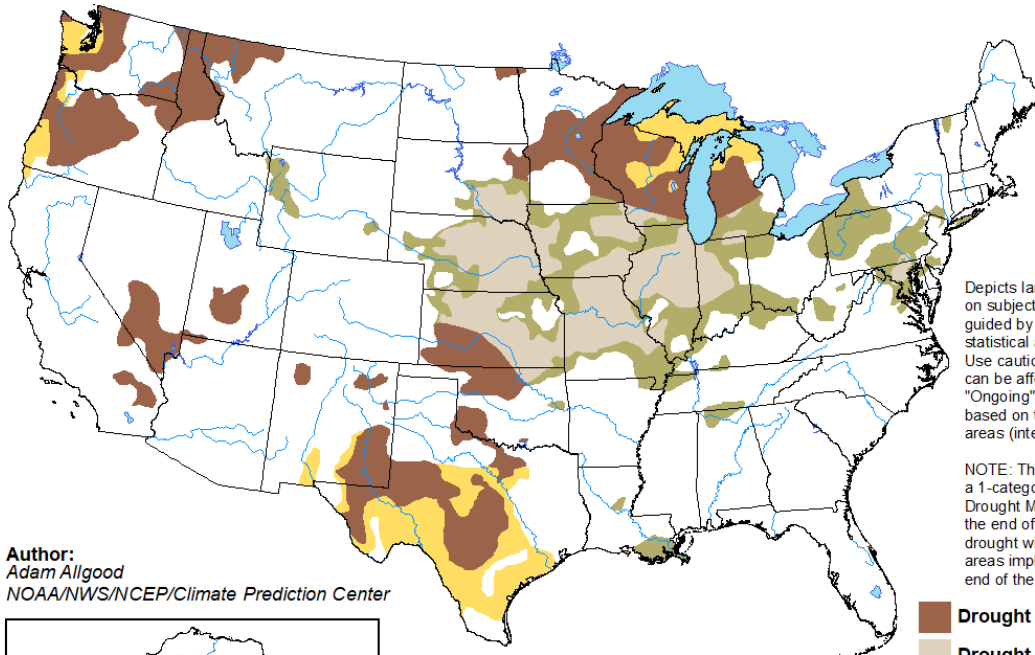
Valid: July 2023
Issued: June 30, 2023



Drought in the Midwest/Plains

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

Valid for July 2023
Released June 30, 2023



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).

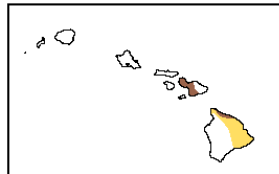
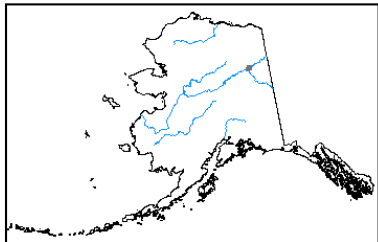
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

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



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

Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center



- July 2023 drought outlook – some improvement likely across most of the region.
- Drought development and persistence predicted around the Great Lakes.

Summary

- Officially in an El Niño Advisory – low correlation with summer wx. Could still be some El Niño influence
- Drought continues – variability across the region
- Crop conditions showing signs of stress – concerns as we near tasseling
- Other non-irrigated crops likely struggling
- Cooler temperatures have helped
- May be able to hold the line, but large scale improvement unlikely for a while

Next MAC-T Monthly Call

Next Call

August 2, 2023, 9-10am CT

Do we need a check-in sooner?