

MAC-T Monthly Call

Midwest Agriculture and Climate Team

June 7, 2023

For more information:

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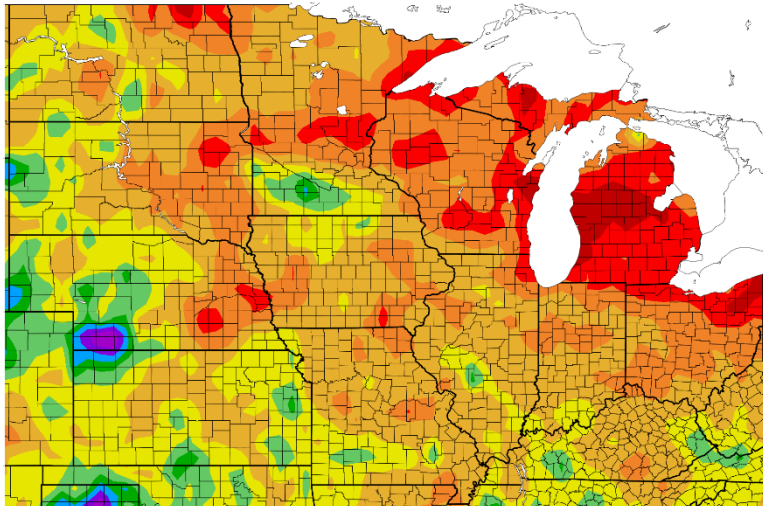
Justin.glisan@iowaagriculture.gov



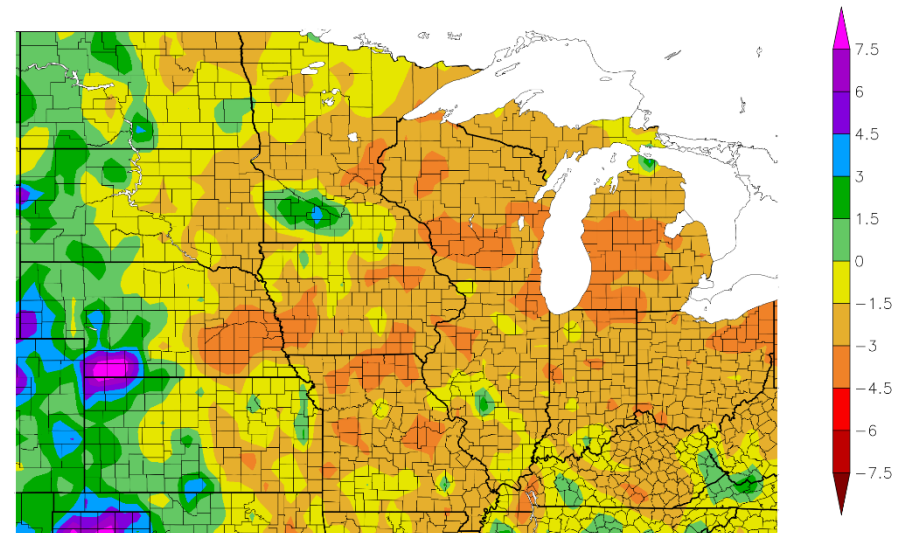
Midwest Climate Hub
U.S. DEPARTMENT OF AGRICULTURE



Precipitation (in)
5/7/2023 – 6/5/2023



Departure from Normal Precipitation (in)
5/7/2023 – 6/5/2023



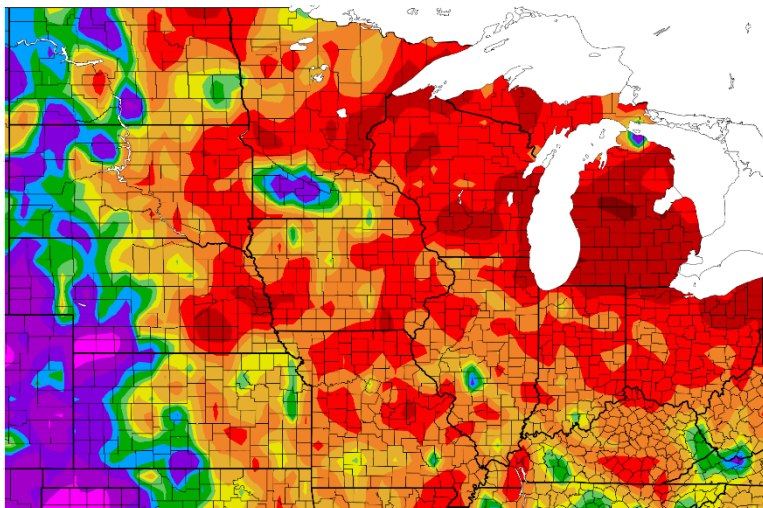
Generated 6/6/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 6/6/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%)
5/7/2023 – 6/5/2023

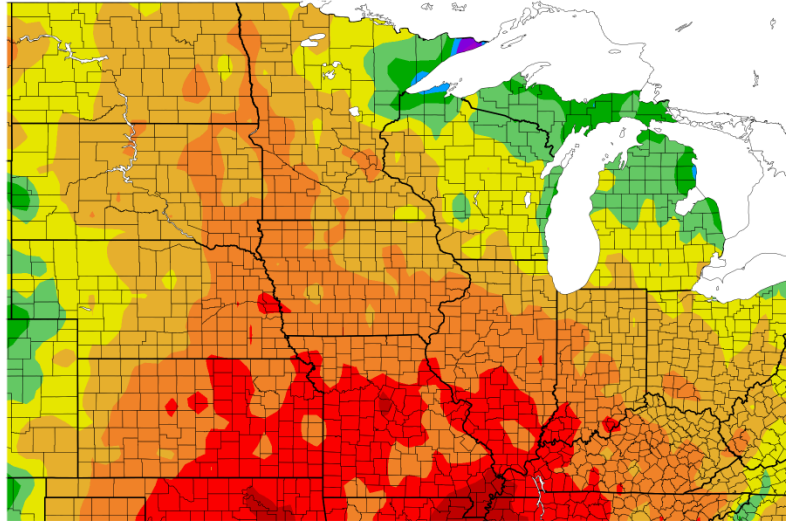


Generated 6/6/2023 at HPRCC using provisional data.

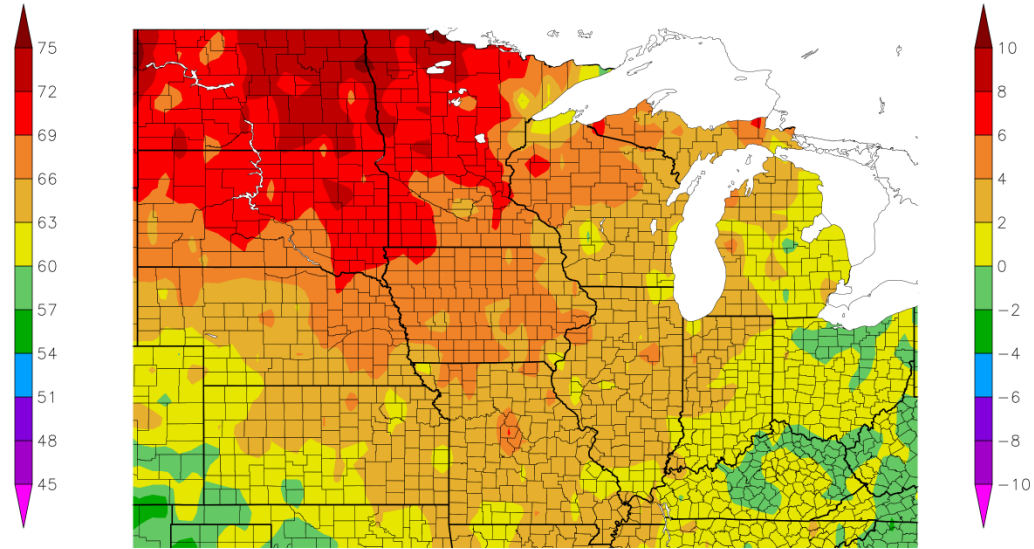
NOAA Regional Climate Centers

- Drier nearly everywhere in the region except for western Plains.
- Some dryness very severe. Widespread <50%. <25% around Great Lakes.

Temperature (F)
5/7/2023 – 6/5/2023



Departure from Normal Temperature (F)
5/7/2023 – 6/5/2023



Generated 6/6/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 6/6/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

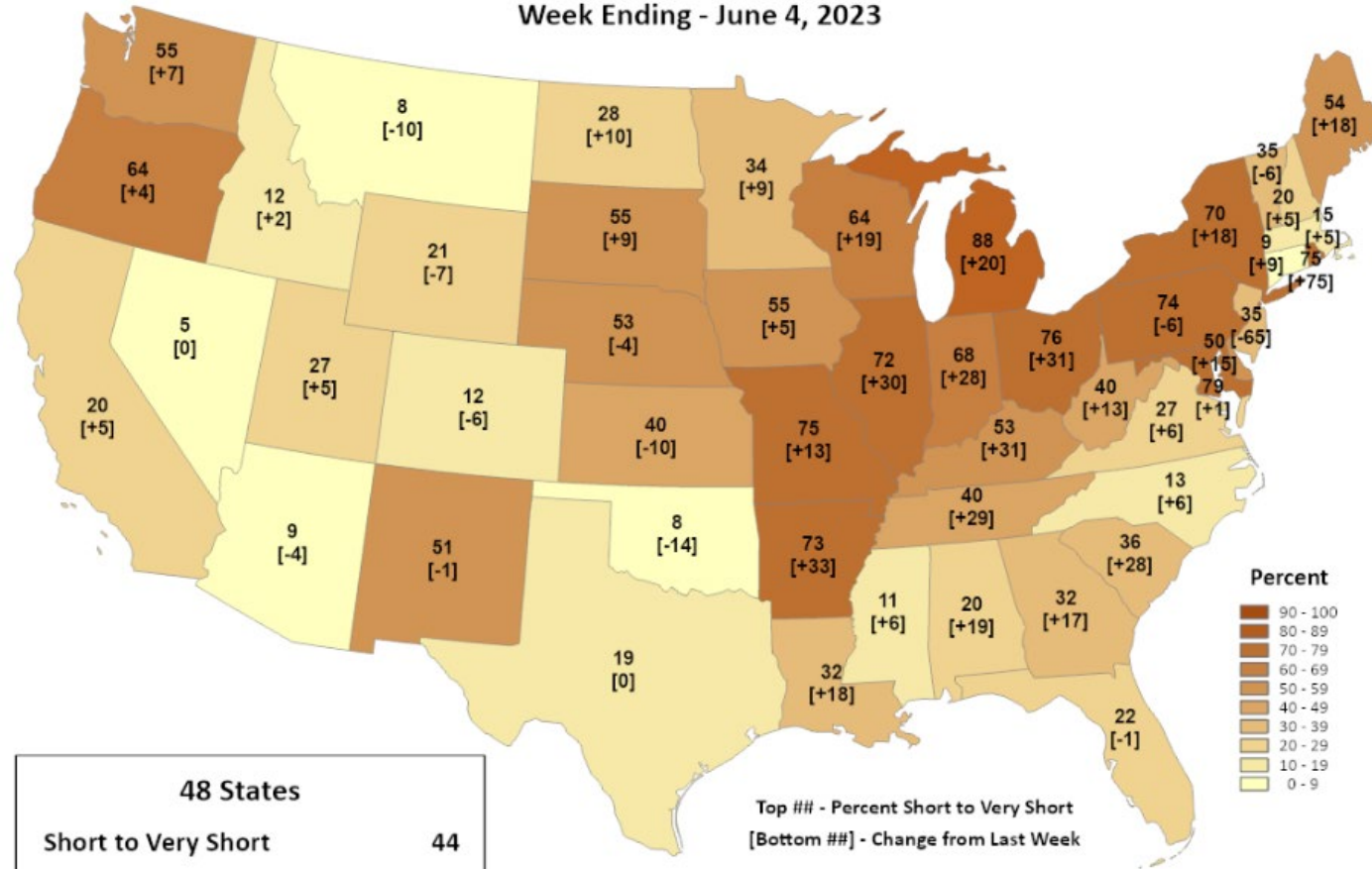
- Flip in temperature conditions.
- Northern Plains now much warmer than average (6-10F)
- Rest of region also warmer but less so – mostly (2-4 F).

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 - June 4, 2023

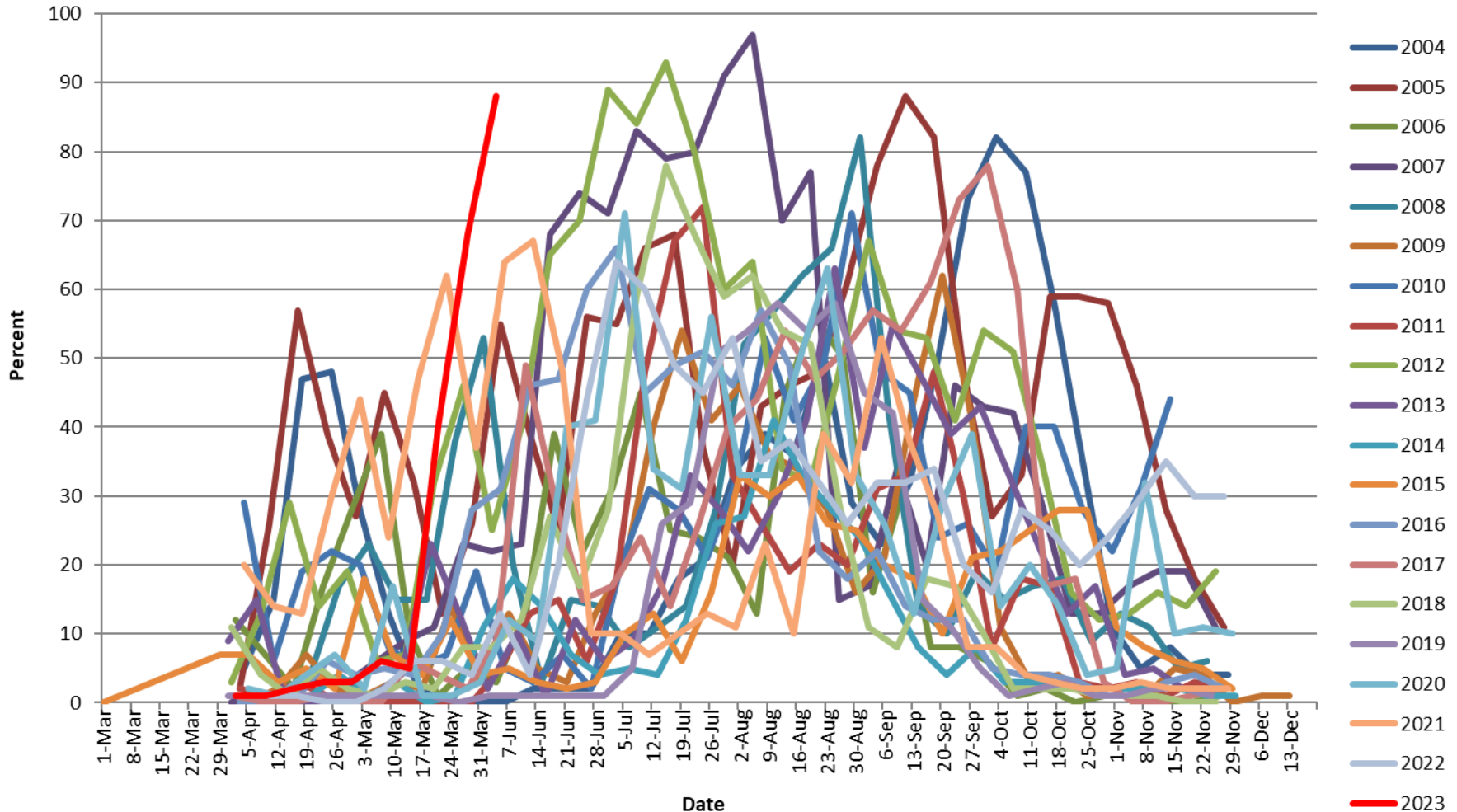


Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

- Rapid increase in S-VS soil moisture across eastern Corn Belt

Soil Moisture (NASS)

MI Topsoil Moisture: Percent Short-Very Short



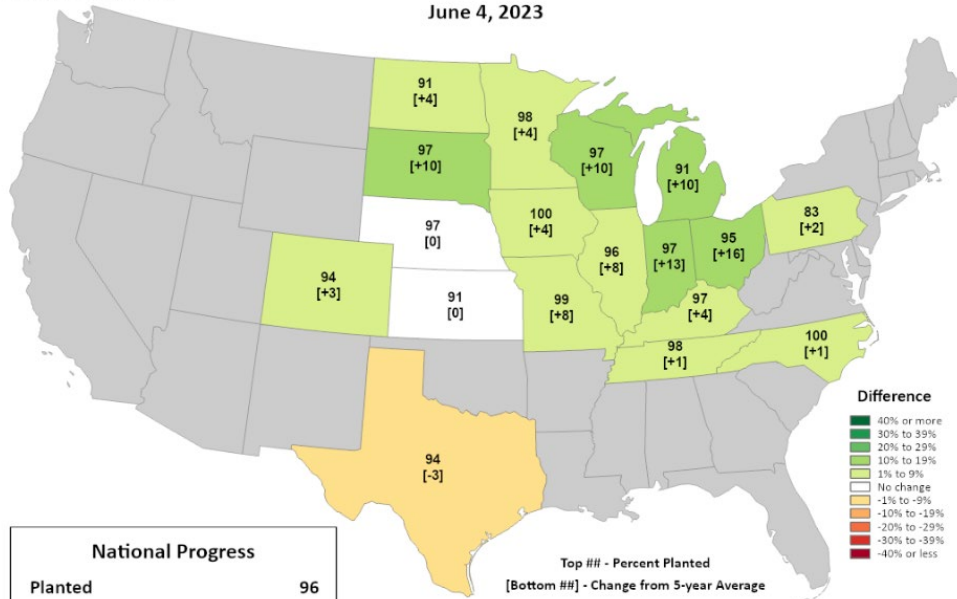
Corn Conditions (NASS)



Corn Progress

Percent Planted

June 4, 2023



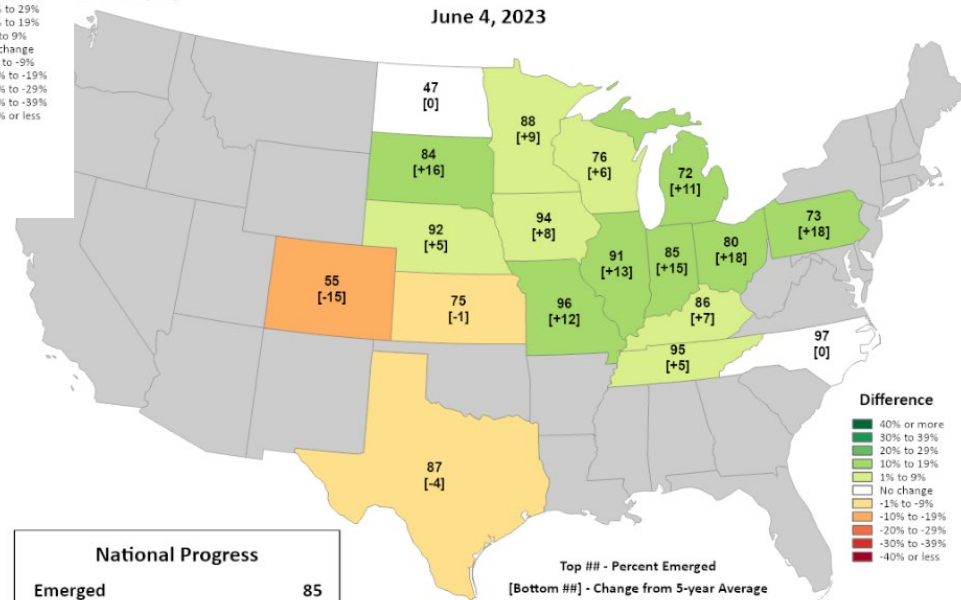
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Corn Progress

Percent Emerged

June 4, 2023



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

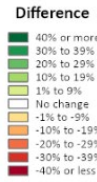
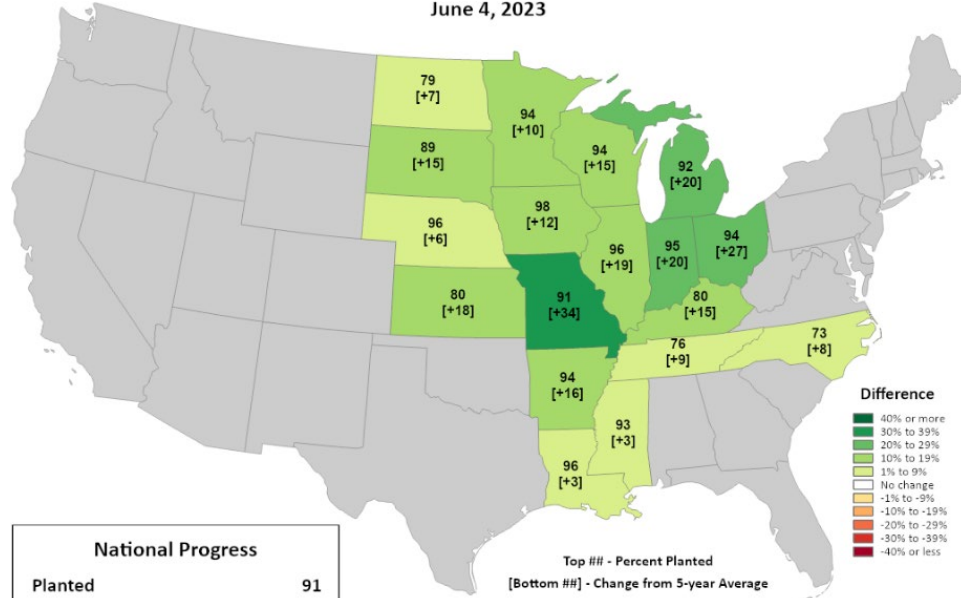
Soybean Conditions (NASS)



Soybeans Progress

Percent Planted

June 4, 2023



National Progress	
Planted	91
Change from 5-year Average	+15

Top ### - Percent Planted
[Bottom ##] - Change from 5-year Average

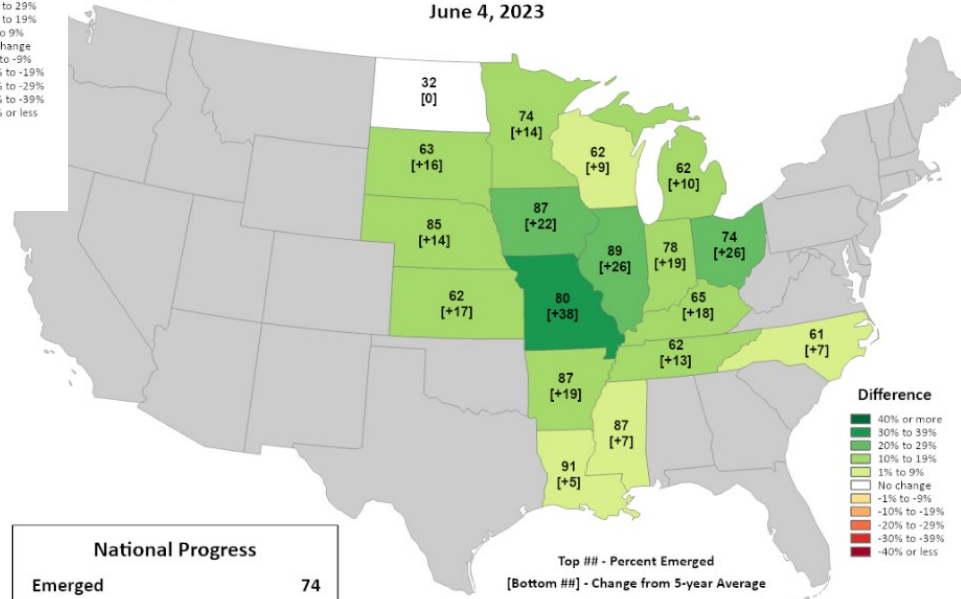
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Soybeans Progress

Percent Emerged

June 4, 2023



National Progress	
Emerged	74
Change from 5-year Average	+18

Top ### - Percent Emerged
[Bottom ##] - Change from 5-year Average

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

Oats Conditions (NASS)

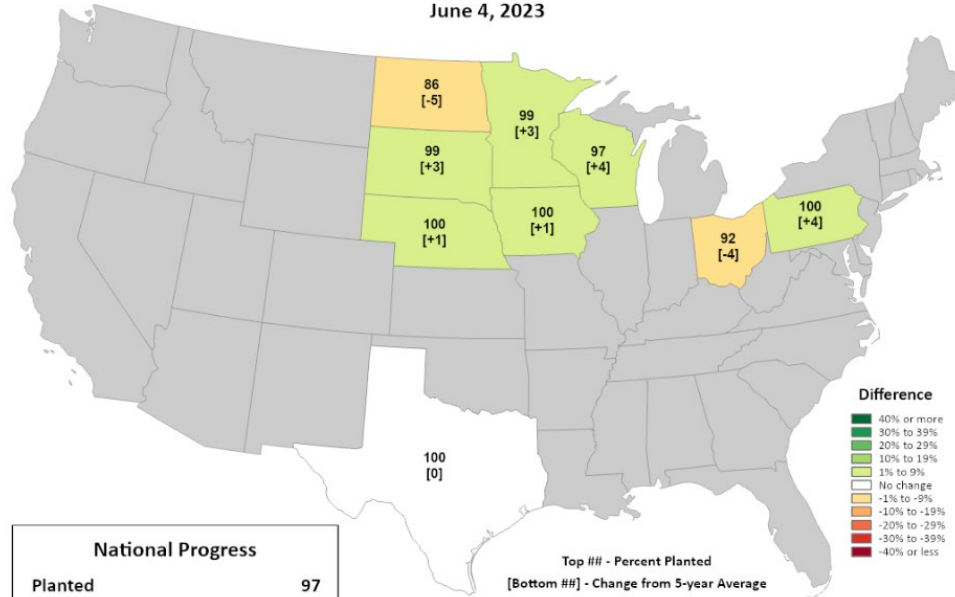


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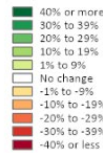
Oats Progress

Percent Planted

June 4, 2023



Difference



National Progress

Planted 97
Change from 5-year Average +1

Top ## - Percent Planted
[Bottom ##] - Change from 5-year Average

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

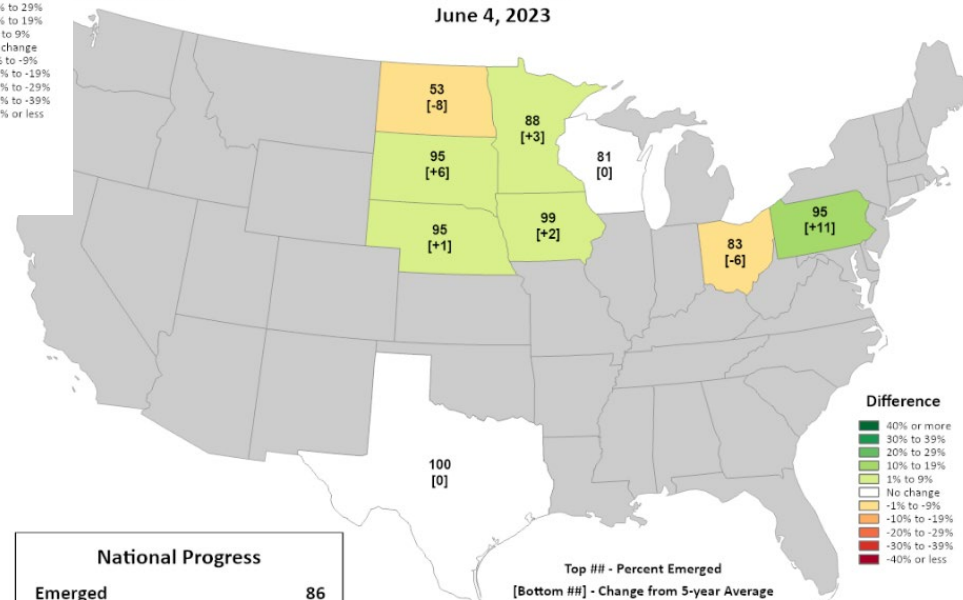


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the Chief Economist (OCE)
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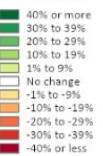
Oats Progress

Percent Emerged

June 4, 2023



Difference



National Progress

Emerged 86
Change from 5-year Average 0

Top ## - Percent Emerged
[Bottom ##] - Change from 5-year Average

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

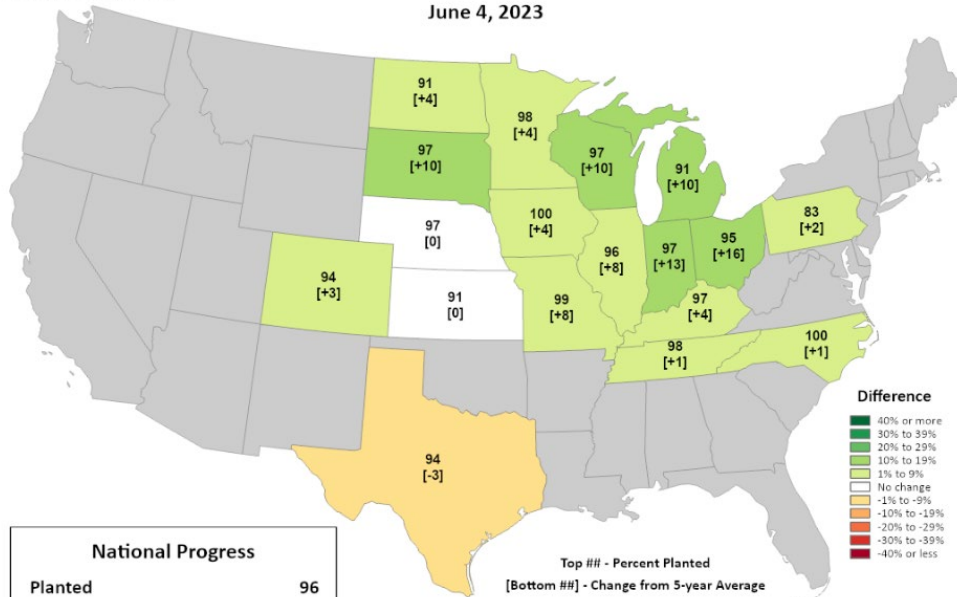
Corn Conditions (NASS)



Corn Progress

Percent Planted

June 4, 2023



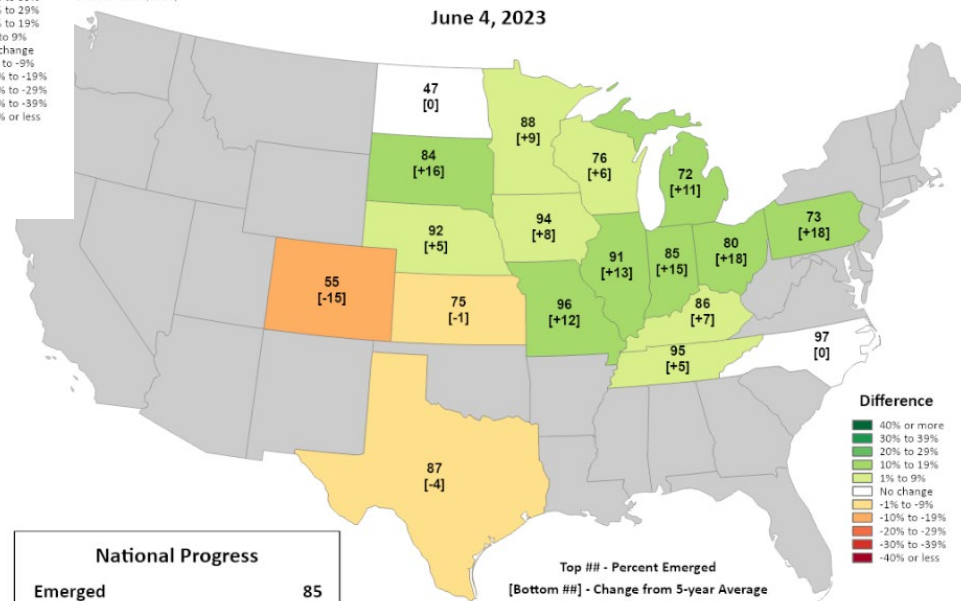
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Corn Progress

Percent Emerged

June 4, 2023



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

Corn Conditions (NASS)



This product was prepared by the USDA Office of the Chief Economist World Agricultural Outlook Board



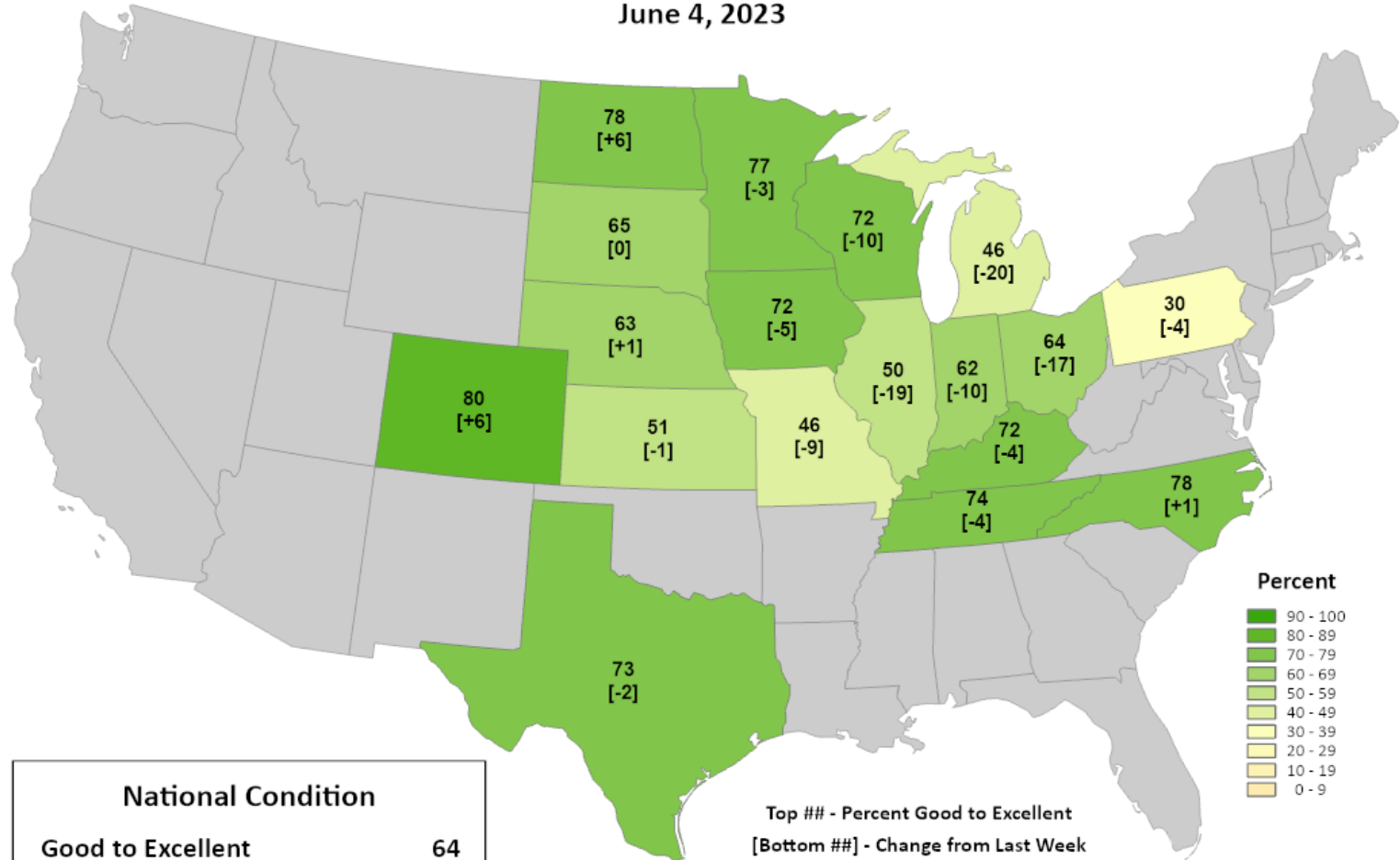
United States Department of Agriculture

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

Corn Conditions Percent Good to Excellent June 4, 2023

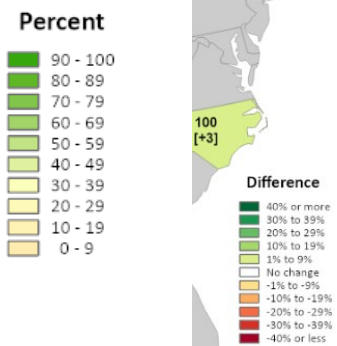


Nation
Poor to Very F
Change from I



National Condition	
Good to Excellent	64
Change from Last Week	-5

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



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

Pasture/Range Conditions (NASS)



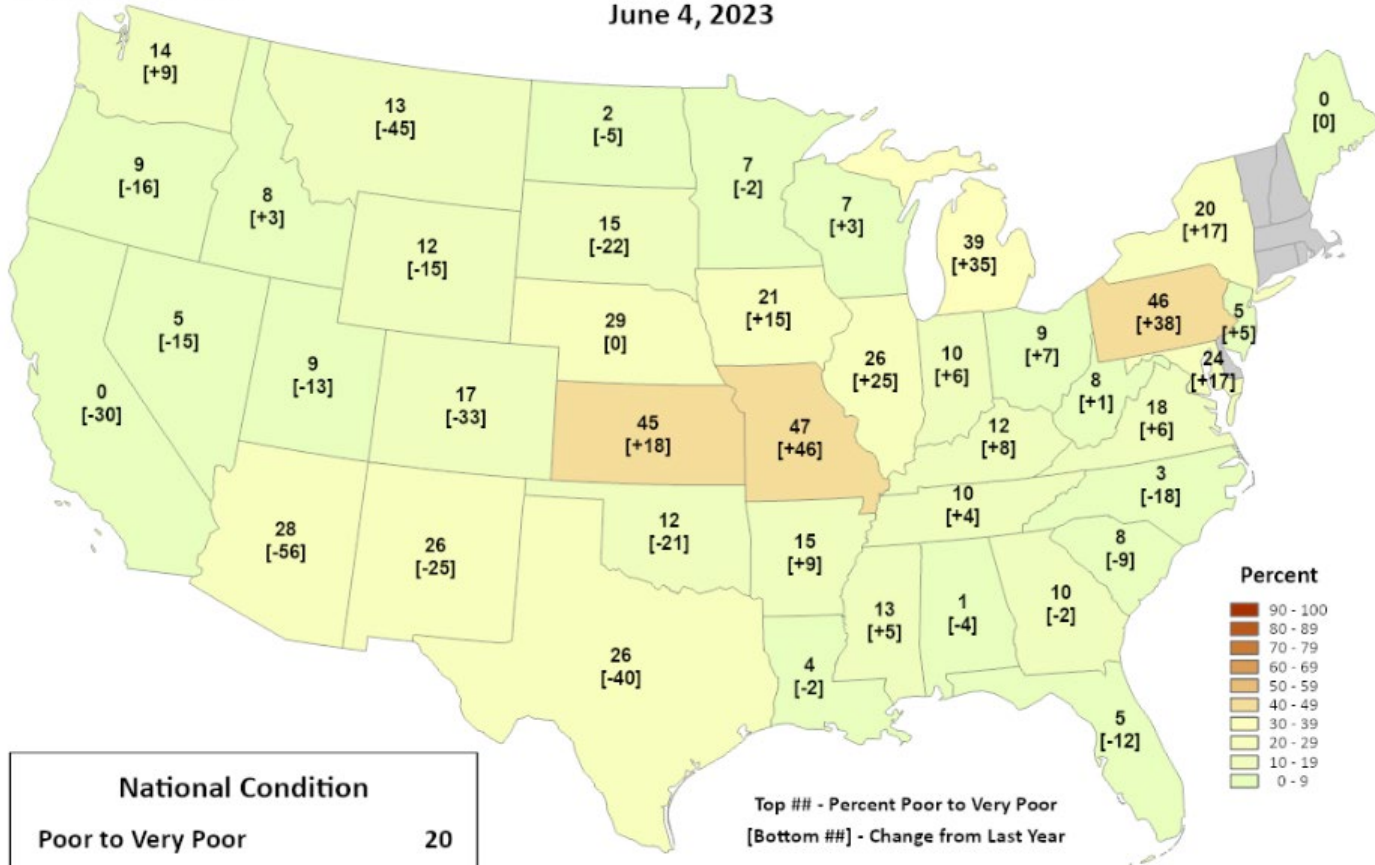
United States
Department of
Agriculture

*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

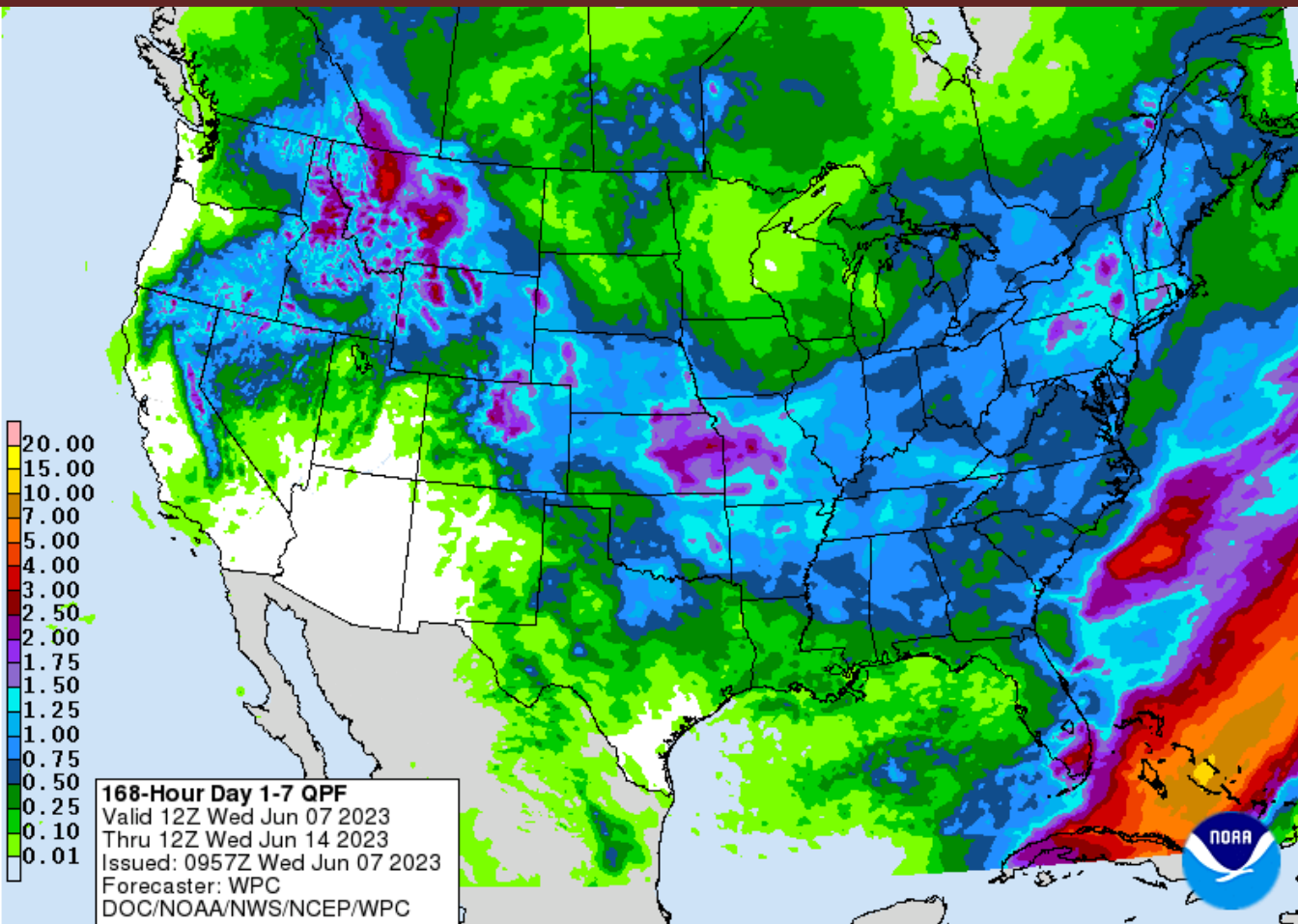
June 4, 2023



Assorted AG Issues

- Rapid soil drying central-eastern Corn Belt.
- Stress on grasses/small grains.
 - Stress commonly noted on grasses
 - Small grain condition reports worsening slightly
- Row crop (corn/soy)
 - Conditions also worsening for corn (soy condition NA)
 - Yield losses minimal this early in season
- Specialties?
 - Berry place near Ames – no strawberries this spring.
- Hay cutting
 - Easier in drier conditions
 - Limited in places due to dryness

1-7 Day Precip



Next 7 days

- Some cooler conditions.
- More active pattern more south.
- Lesser chances MN/WI.

Temperature Outlook



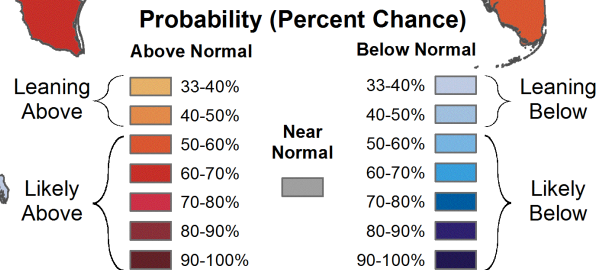
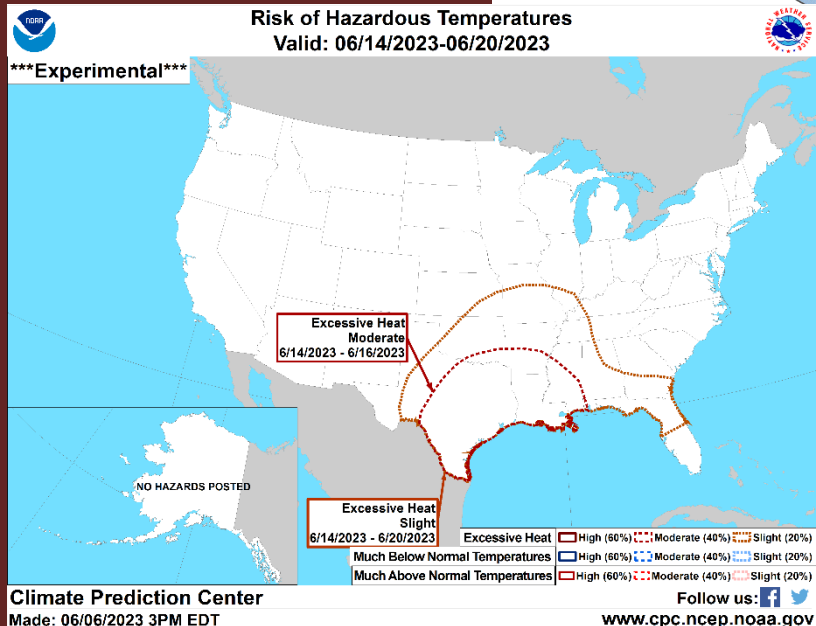
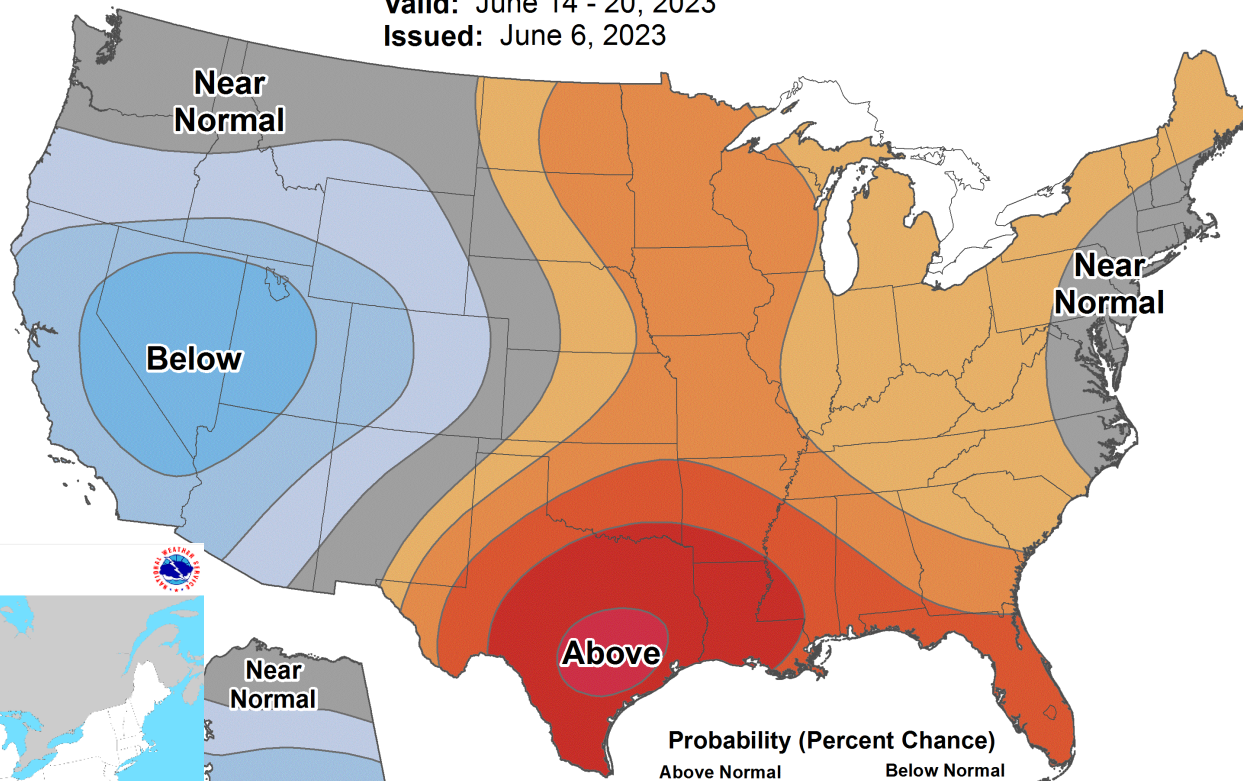
8-14 Day Temperature Outlook



Valid: June 14 - 20, 2023

Issued: June 6, 2023

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



Precipitation Outlook

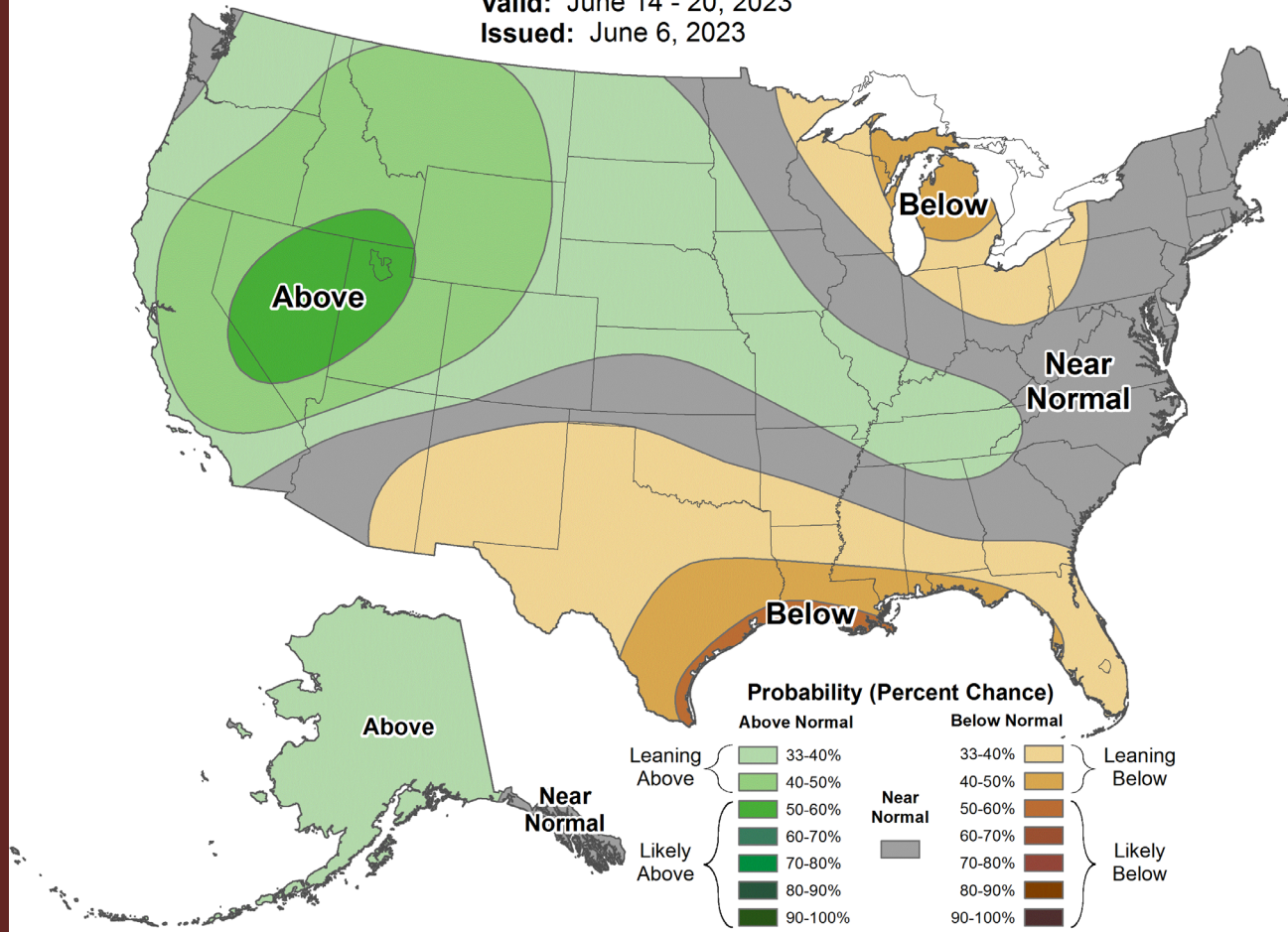


8-14 Day Precipitation Outlook



Valid: June 14 - 20, 2023

Issued: June 6, 2023

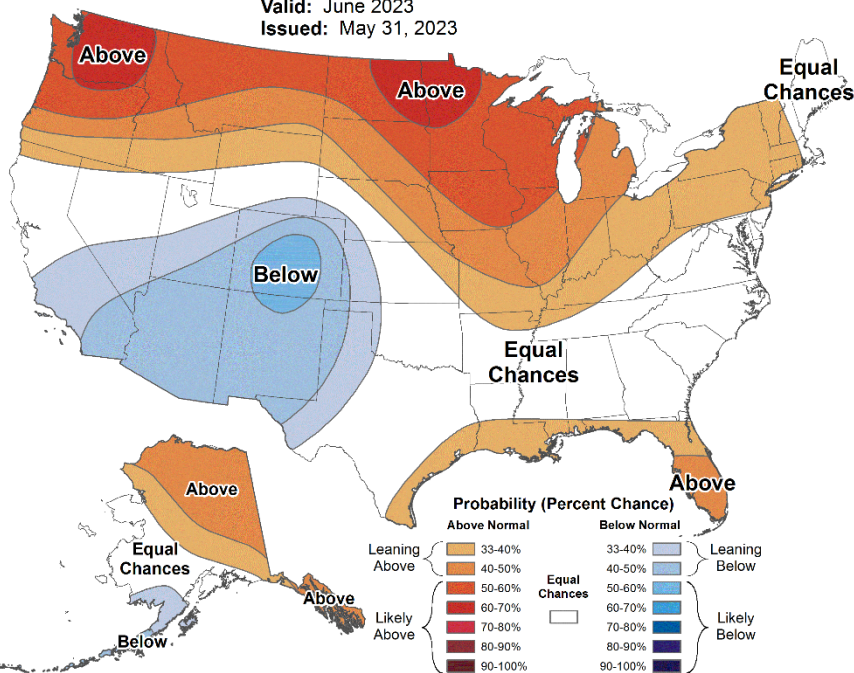


- Slight chance wetter in the Plains.
- Near normal narrow band
- Slightly below chances Great Lakes.

1-Month Outlook

Monthly Temperature Outlook

Valid: June 2023
Issued: May 31, 2023

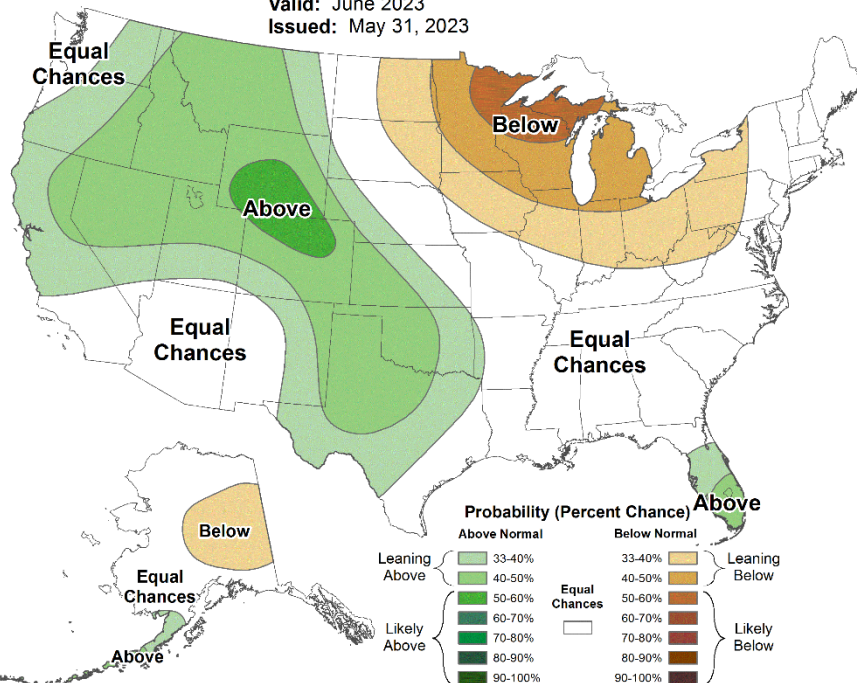


June Monthly Outlook

- Warmer more likely across most of the area – focused north.
- Pretty good chance drier around Great Lakes.

Monthly Precipitation Outlook

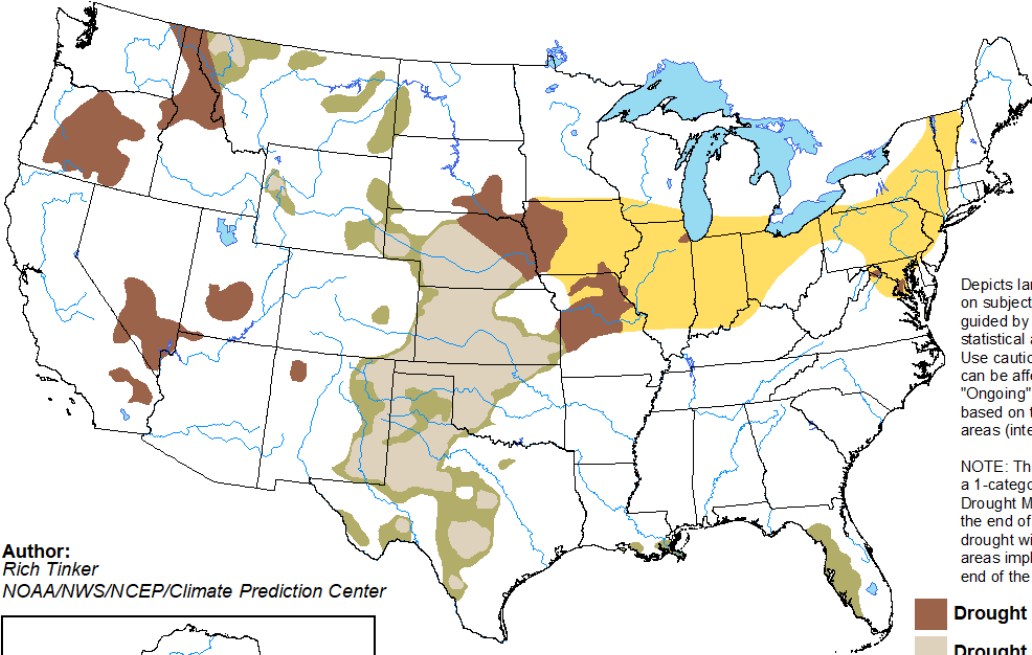
Valid: June 2023
Issued: May 31, 2023



Drought in the Midwest/Plains

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

Valid for June 2023
Released May 31, 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).

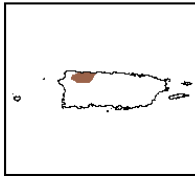
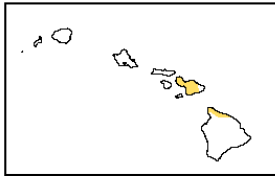
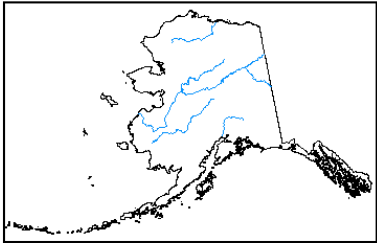
- Drought persists**
- Drought remains but improves**
- Drought removal likely**
- Drought development likely**



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

- June 2023 drought outlook – worsening expected Iowa to Ohio
- Some Plains improvement.

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



Summary

- Spring planting/emergence ahead 5 year avg.
- Dry soils starting to become a bigger concern
- Crop conditions reflecting dryness
- Some help expected, though not outstanding
- Watching transition toward El Niño – hopefully helping chances later in summer
- Smoke probably will persist in region – at least periodically.

Next MAC-T Monthly Call

Next Call

June 5, 2023, 9-10am CT

Do we need a check-in sooner?