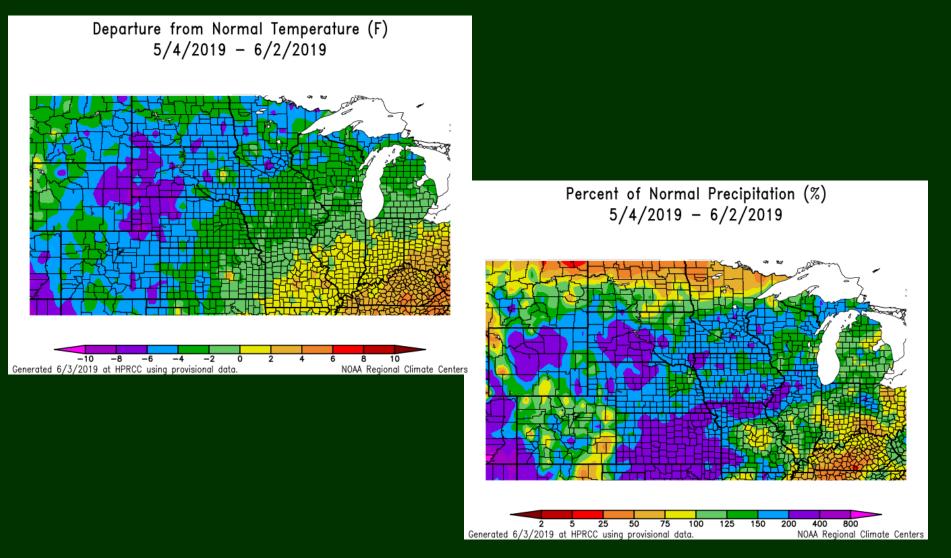
#### MAC-T Monthly Call Midwest Agriculture and Climate Team

#### June 5, 2019

#### For more information:

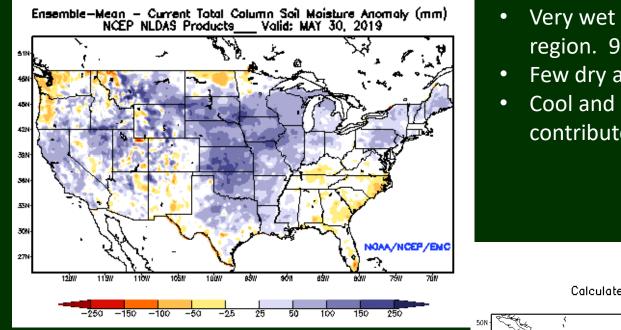
<u>Dennis.todey@ars.usda.gov</u> <u>Charlene.Felkley@ars.usda.gov</u>





- May temperatures mostly colder than average. 6-10 F below average in nrn Plains to slightly above average along the Ohio River.
- Generally wet conditions more than double in places to quite dry along the Canadian border and Kentucky.

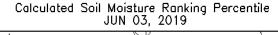
### Soil Moisture

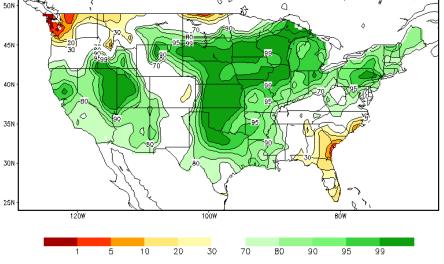


http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

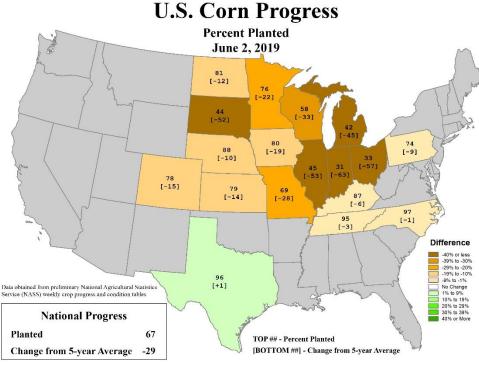
http://www.cpc.ncep.noaa.gov/products/Soilmst Monitoring/US /Soilmst/Soilmst.shtml#

- Very wet soils over most of the region. 99<sup>th</sup> percentile for much of it.
- Few dry areas.
- Cool and wet conditions and low ET contribute to the overall conditions.



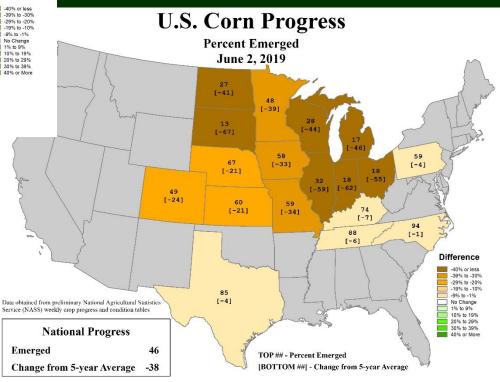


#### **Planting Progress**



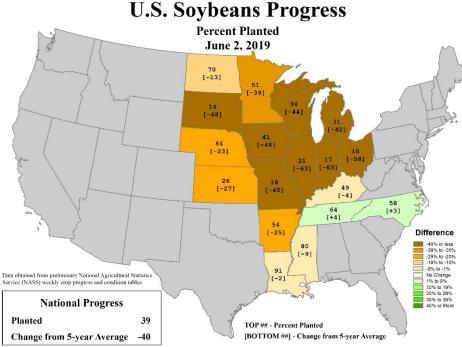
http://www.cpc.ncep.noaa.gov/products/Soilmst Monitoring/US

- Record slow corn planting and emergence.
- Worst since 1995 for planting (67% vs. 77%) /2011 for emergence (46% vs. 73%).

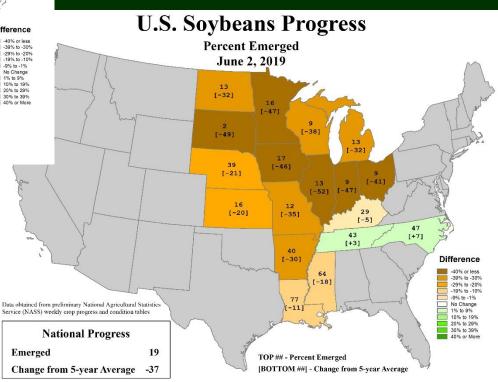


<u>/Soilmst/Soilmst.shtml#</u>

# **Planting Progress**



- Record slow bean planting and emergence.
- Worst since 1995 for planting (39% vs. 40%)/2013 for emergence (19% vs. 31%).

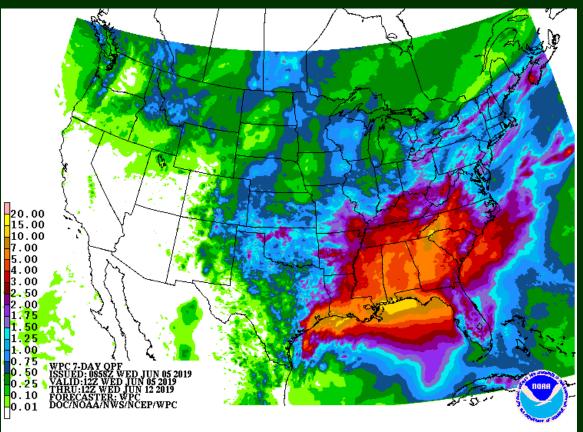


http://www.cpc.ncep.noaa.gov/products/Soilmst\_Monitoring/US /Soilmst/Soilmst.shtml#

#### Assorted AG Issues

- Cool temperatures have delayed emergence and development as well as ET – even some frost ongoing far north.
- Wet soils continue to slow planting many acres likely planted in soils that should not have equipment on them.
- USDA-NASS report crop conditions decent for those far enough along.
- Serious decision-making on planting. Many acres not going to be planted.

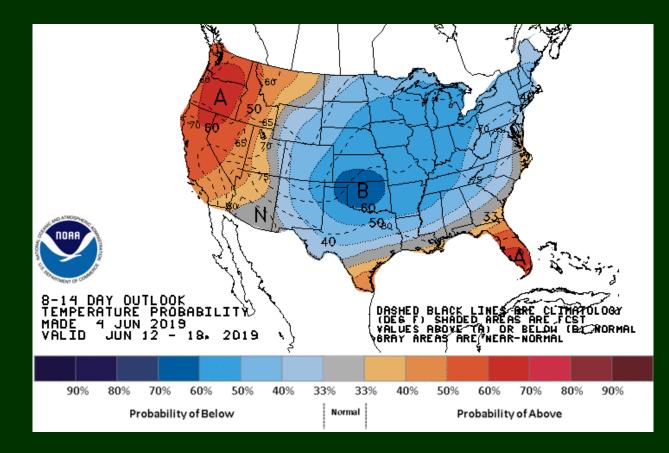
# 1-7 Day Precip



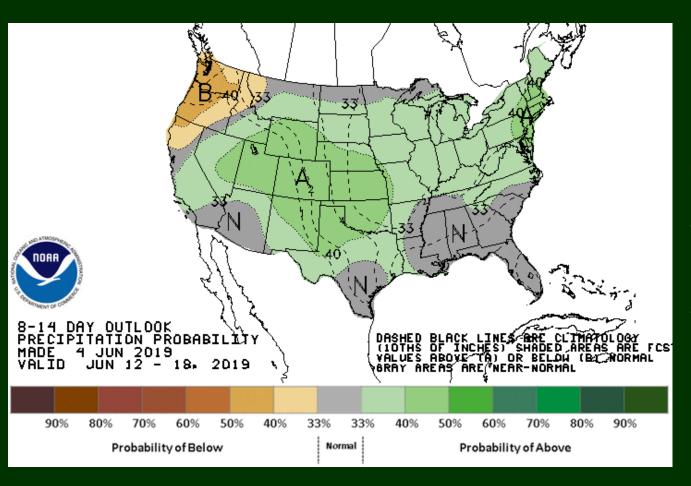
- Updated few changes
- Continued heavy precip possible – mostly srn. Midwest and srn. Plains.
- Lesser amounts in nrn. Midwest and Plains.
- Still likely wet soil problems even with lighter precip.

#### **Temperature Outlook**

- Updated few changes
- Not great news on temperature toward mid-June.
- Cooler than average more likely throughout the area.



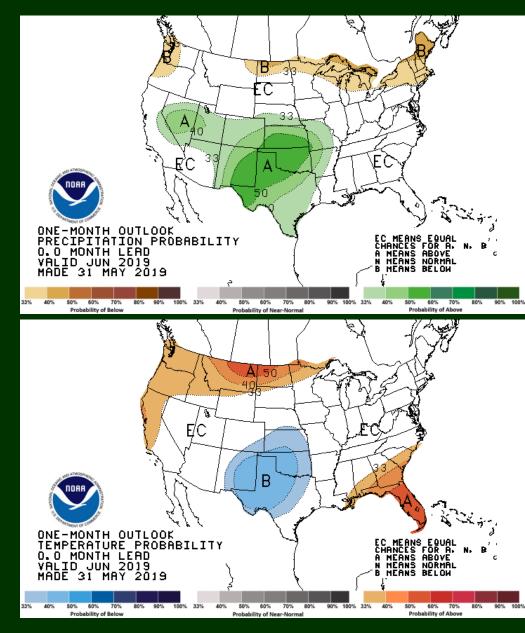
#### Precipitation Outlook



- Updated few changes
- Above average chances for precip continue.
- Small chance for drier in far nrn. Plains.

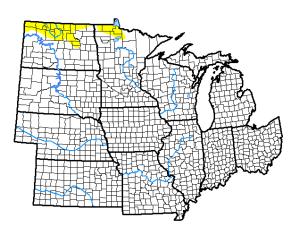
# 1-Month Outlook

- Interesting June outlook
- Precip likely wetter central-southern Plains – likely drier along Canadian border
- Temps likely cooler over the wet area and more likely warmer nrn Plains
- Indicates some variability from mid to late month in the outlooks. Cooler and wetter in Week 2 may not continue into late month



# Drought in the Midwest

#### U.S. Drought Monitor North Central



May 28, 2019 (Released Thursday, May. 30, 2019)						
Drought Conditions (Percent Area						

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	96.99	3.01	0.00	0.00	0.00	0.00
Last Week 05-21-2019	96.92	3.08	0.00	0.00	0.00	0.00
3 Month s Ago 02-26-2019	99.03	0.97	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	95.93	4.07	1.43	0.00	0.00	0.00
Start of Water Year 09-25-2018	73.15	26.85	12.92	4.07	0.97	0.05
One Year Ago 05-29-2018	61.52	38.48	17.40	6.37	1.70	0. 16

Intensity:

D0 Abnormally Dry D3 Extreme Drought D1 Moderate Drought D4 Exceptional Drought



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

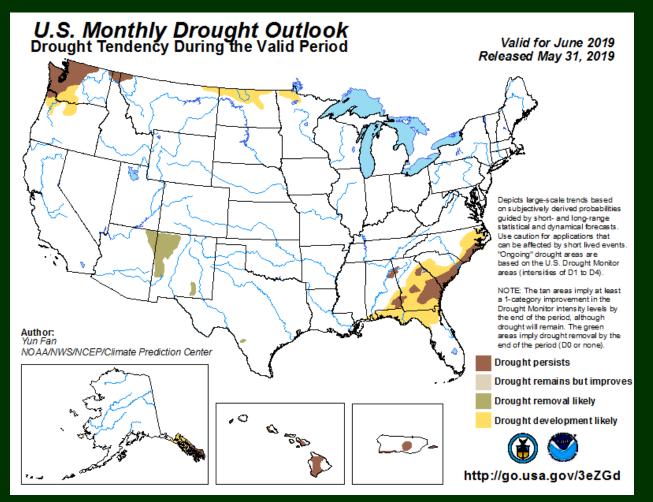
<u>Author:</u> Richard Heim NCEI/NOAA



The Midwest remained free of drought, with significant flooding impacting the Mississippi River and its tributaries. Some D0 areas existed in ND and MN.

http://droughtmonitor.unl.edu/

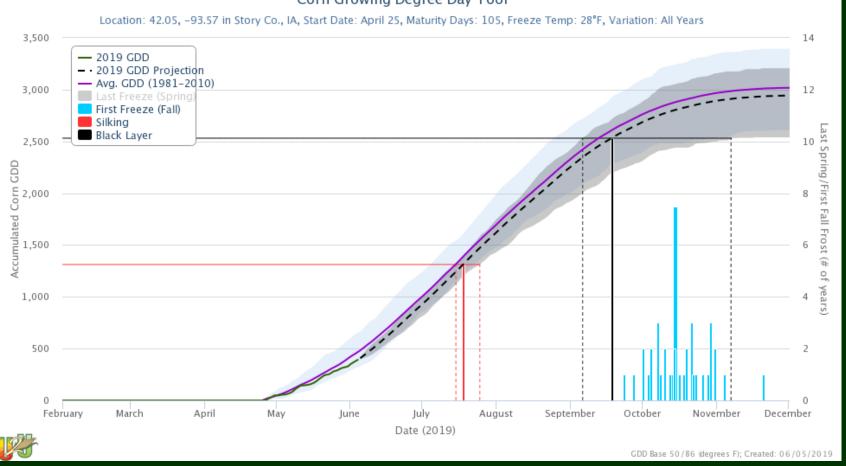
# **Drought Outlook**



Current D0 area in ND-MN headed toward drought category during the month.

#### Summary

- Cold and wet conditions generally over the area leading to delayed planting and emergence.
- Major decisions ongoing with final planting due to various influences.
- Cool avg. temps not a great thing for ongoing crop development.
- Wet-avg. precip also difficult
- Disease issues likely to flare up
- Delayed crop development likely through season could lead to immature/wet grains.



Corn Growing Degree Day Tool

https://hprcc.unl.edu/gdd.php

https://mrcc.illinois.edu/U2U/gdd/

# Special Outlook Webinar – please share with your stakeholders

- Time: Jun 6, 2019 1:00 PM Central Time (US and Canada)
- Join Zoom Meeting
- https://usda-oce.zoom.us/j/550156262
- •

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- +16465588656,,550156262# US (New York)
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- Dial by your location
- +1 669 900 6833 US (San Jose)
- +1 646 558 8656 US (New York)
- Meeting ID: 550 156 262
- Find your local number: <u>https://zoom.us/u/alKA2NScF</u>

#### Next MAC-T Monthly Call

#### Next Call Wednesday, July 3rd.