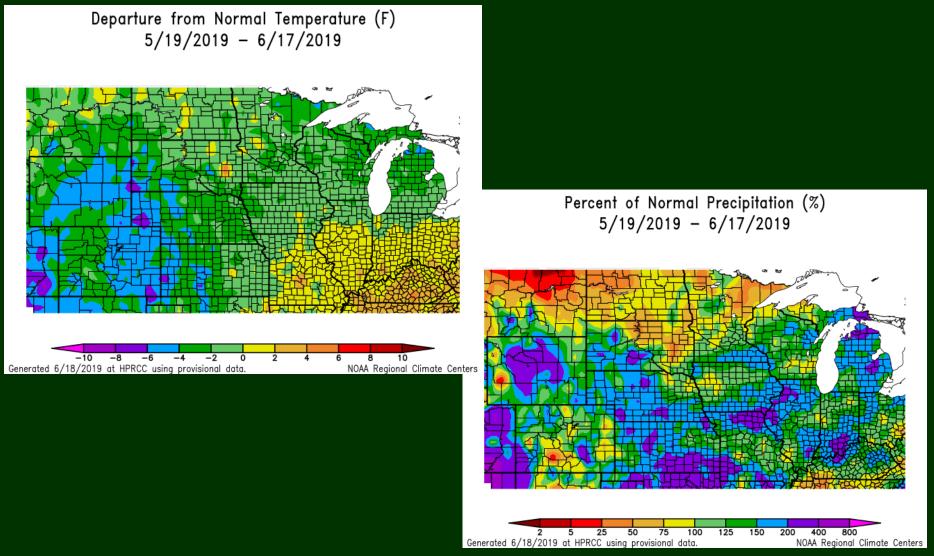
MAC-T Monthly Call Midwest Agriculture and Climate Team

June 19, 2019

For more information:

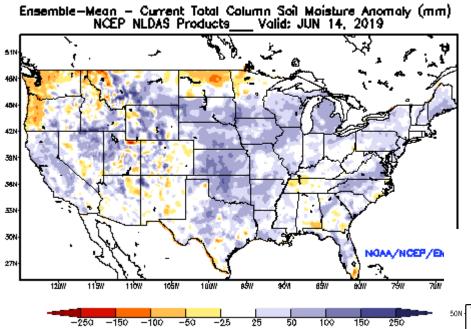
<u>Dennis.todey@ars.usda.gov</u> <u>Charlene.Felkley@ars.usda.gov</u>





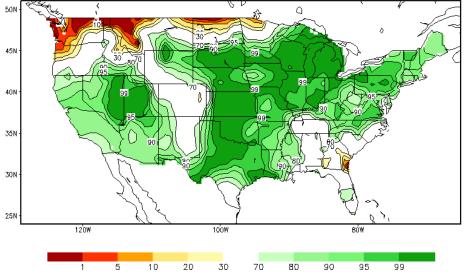
- Last 30 day temperatures mostly colder than average west. Up to 8°F cooler in plains.
 Slightly above average along the Ohio River.
- Mostly wet conditions more than double in places to quite dry Montana, Dakotas and nrn Minnesota.

Soil Moisture



- Very wet soils over most of the region. 99th percentile for much of it.
- Few dry areas north.
- Cool and wet conditions and low ET contribute to the overall conditions.
- Some dry pockets showing in Iowa

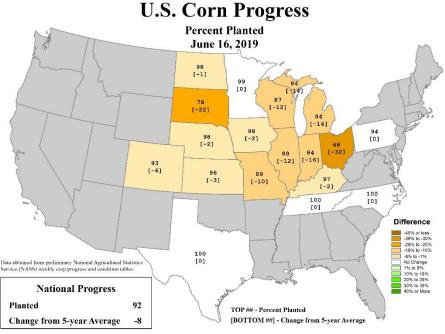
Calculated Soil Moisture Ranking Percentile JUN 17, 2019



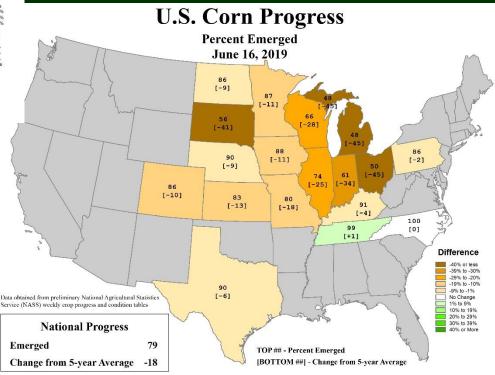
http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

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

Planting Progress

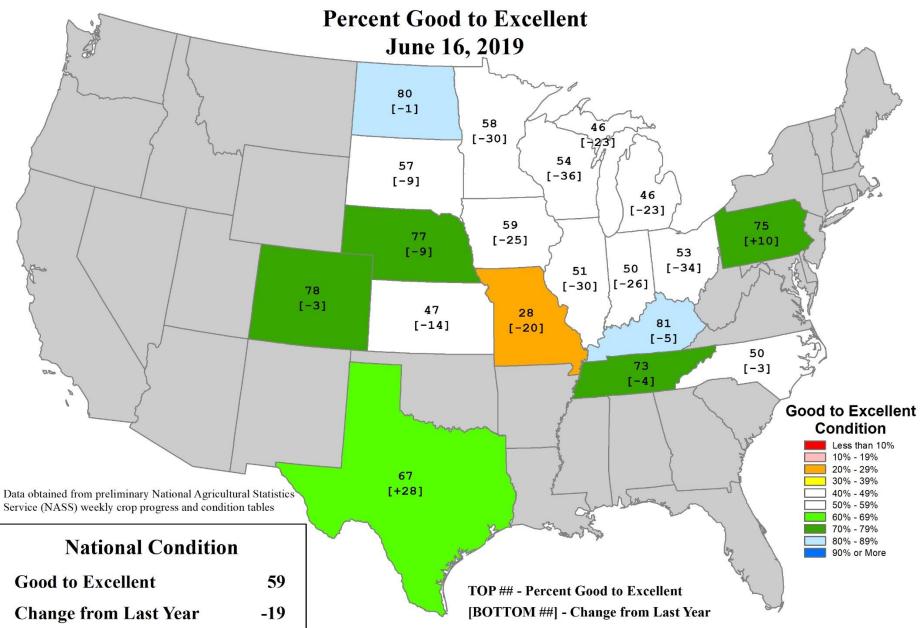


- Record slow corn planting and emergence.
- Planting (92%) emergence (79% worst since 2013).

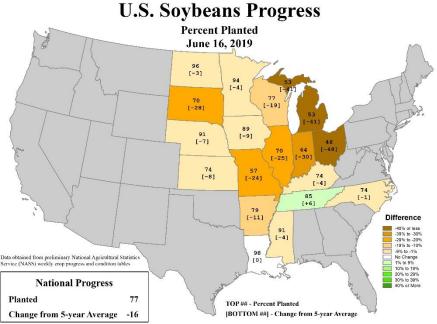


http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US /Soilmst/Soilmst.shtml#

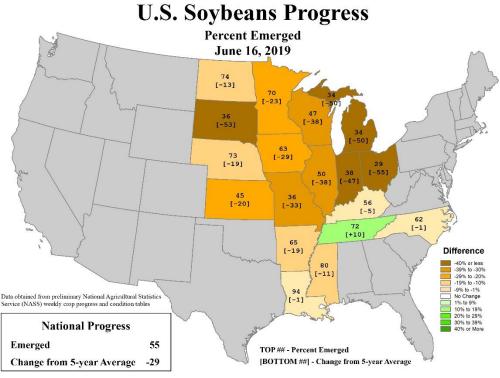
U.S. Corn Conditions



Planting Progress



- Slow bean planting and emergence.
- Planting (77%-3rd slowest 1995-96)/2013 for emergence (55% slowest).



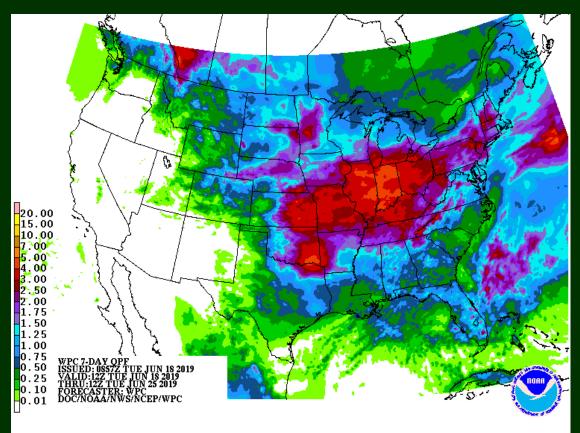
http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US

/Soilmst/Soilmst.shtml#

Assorted AG Issues

- Cool temperatures have delayed emergence and development as well as ET. Some drying with warmer temperatures.
- Wet soils. Some final planting occurring very late corn and beans.
- USDA-NASS report crop conditions decent for those far enough along.
- Serious decision-making on planting. Many acres not going to be planted.

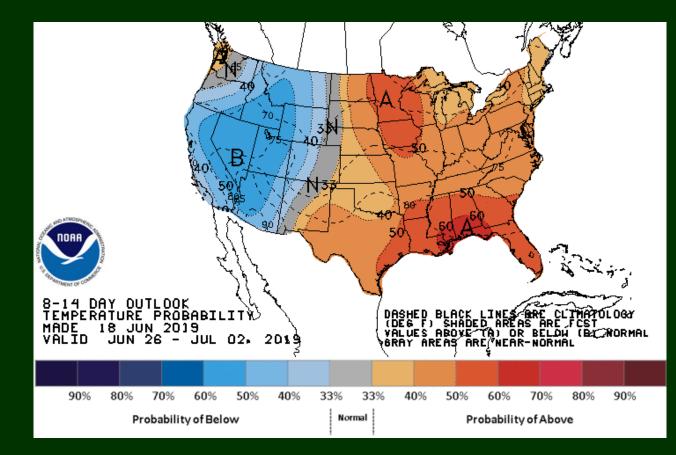
1-7 Day Precip



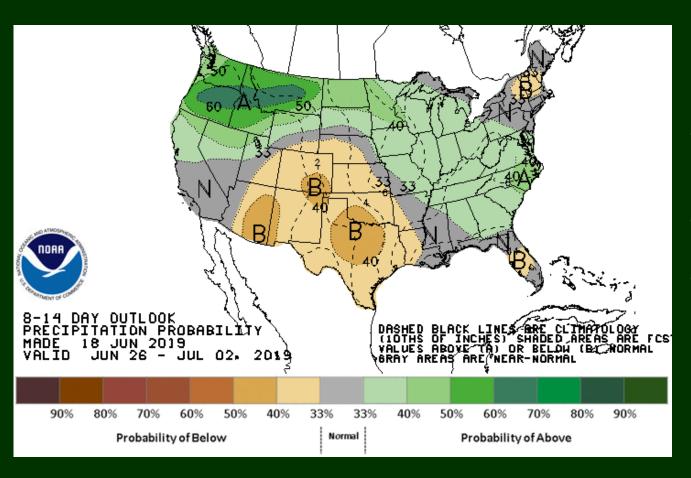
- Continued heavy precip possible Midwest and southern Plains.
- Amounts in northern Midwest and Plains-some help.
- Soils still do not have much capacity even with lighter precip.

Temperature Outlook

- Likely warmer than average toward end of June.
- Good news for crop development needing heat.



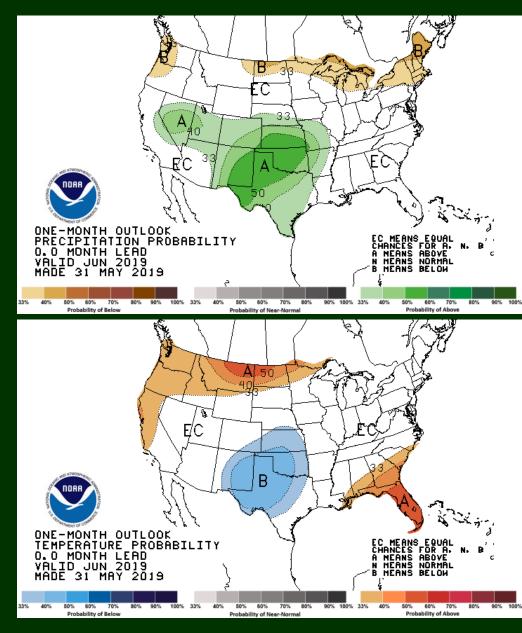
Precipitation Outlook



- Above average chances for precip continue.
- Not as strong a chance
- Small chance for drier central/srn. Plains.

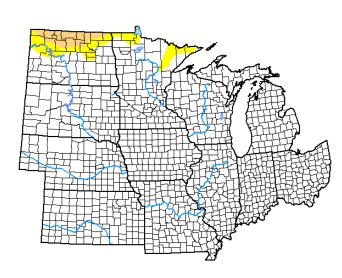
1-Month Outlook

- 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 shift from week 2 outlook in much of the region later in month or larger uncertainty later in the month.
- Will be updated Thursday



Drought in the Midwest

U.S. Drought Monitor North Central



June 11, 2019

(Released Thursday, Jun. 13, 2019) Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	95.25	4.75	1.60	0.00	0.00	0.00
Last Week 06-04-2019	96.46	3.54	1.09	0.00	0.00	0.00
3 Month s Ago 03-12-2019	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 06-12-2018	61.93	38.07	17.50	5.35	1.36	0.00
Interneitu						



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

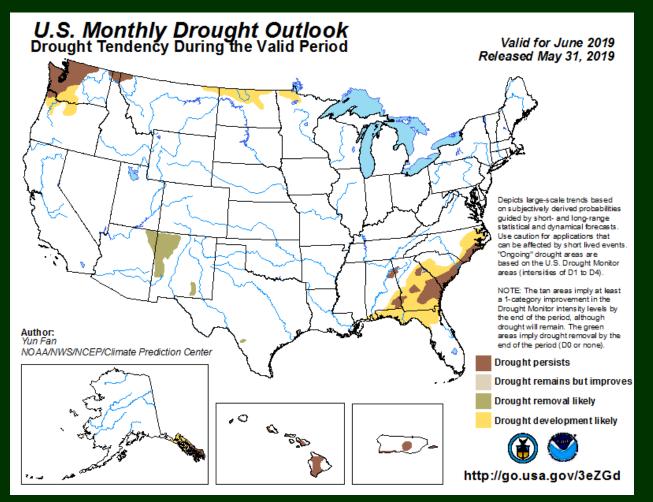
Author:

David Simeral Western Regional Climate Center



The Midwest remained free of drought. Some D0 areas existed in ND and MN/D1 in ND.

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 (some warmth coming finally).
- Wet-avg. precip also difficult
- Disease issues likely to flare up
- Delayed crop development likely through season could lead to immature/wet grains.

Next MAC-T Monthly Call

Next Call Wednesday, July 3rd.