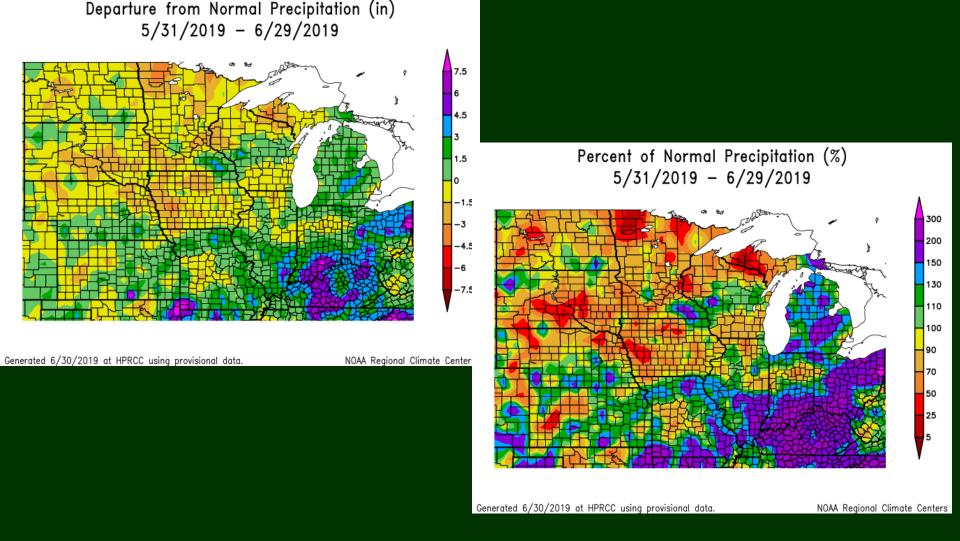
#### **MAC-T Monthly Call**

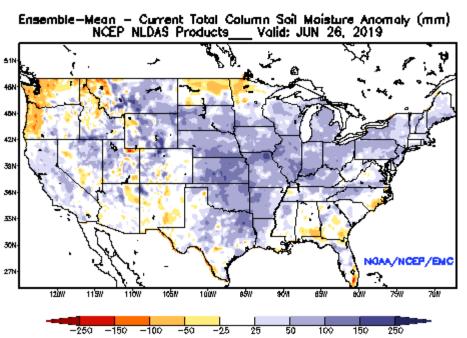
Midwest Agriculture and Climate Team





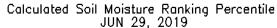
 Interesting change in precipitation. Mostly wetter than average last 30 days across southern areas. Shift to drier with some places less than 50% avg.

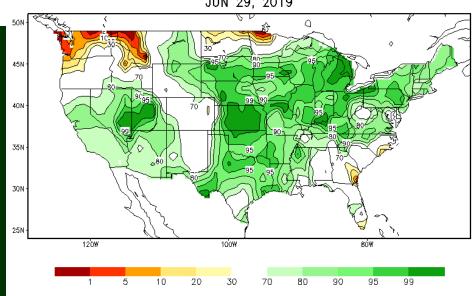
#### Soil Moisture



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

 Despite the dryness soil moisture still mostly wet. Not enough time to dry surface and extract sub-surface moisture yet.

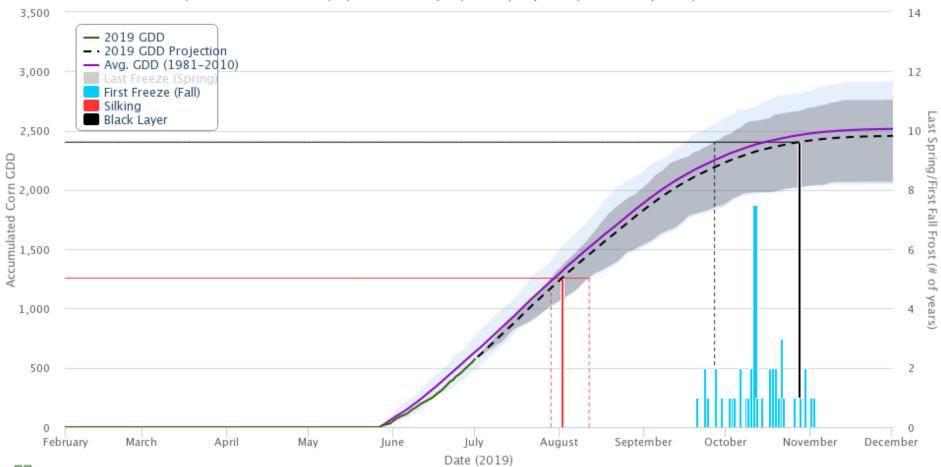




## **GDD** Progress

#### Corn Growing Degree Day Tool

Location: 42.48, -91.89 in Buchanan Co., IA, Start Date: May 27, Maturity Days: 100, Freeze Temp: 28°F, Variation: All Years

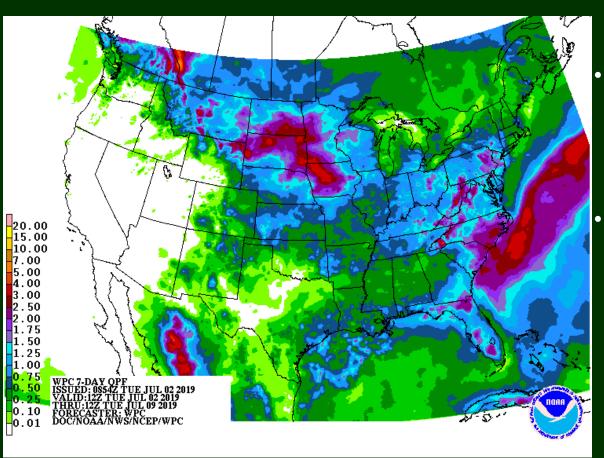




#### Assorted AG Issues

- Slow crop development
- Many questions on acres planted
- Weed/disease issues continue
- Late developing crop
  - Drying problems
  - Fall wetness possible
  - First freeze? Unknown
- Encourage cover cropping.

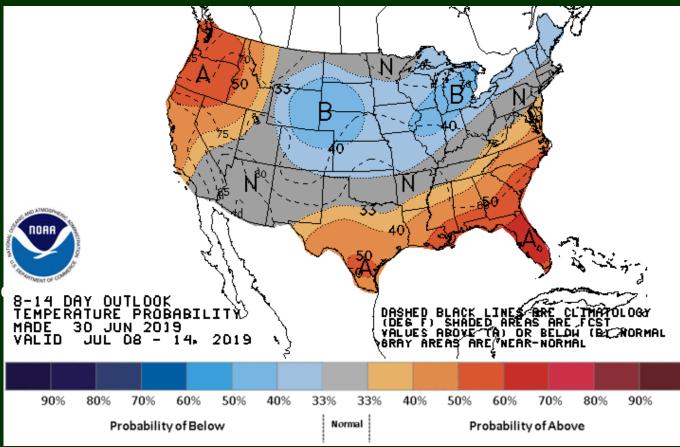
# 1-7 Day Precip



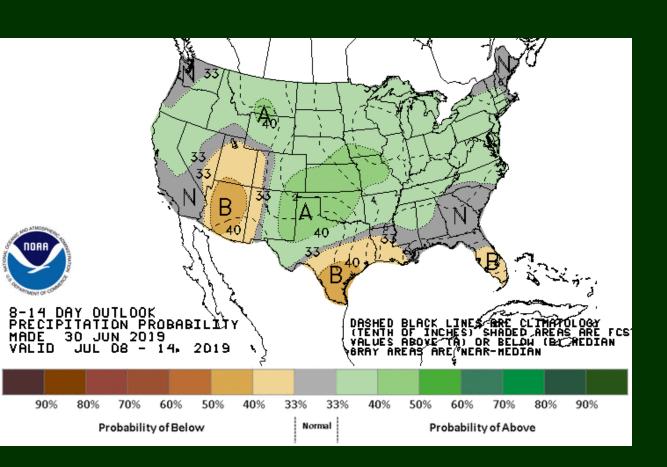
- Wetness returns to northern plains and MN/IA.
  Somewhat less in the far eastern corn belt.
- Several precip events likely over the next week.

## Temperature Outlook

- Early-July warmth
   will give way to
   cooler than average
   temperatures by
   mid-month.
- Usually this would be great for crop conditions. Not this year.



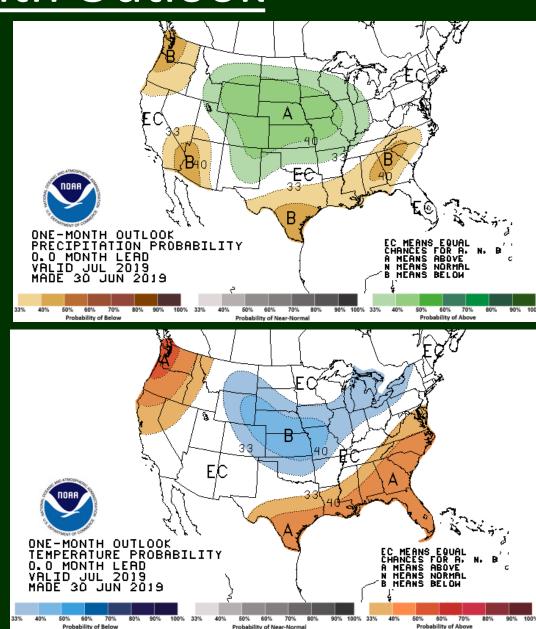
# Precipitation Outlook



 Multiple chances for precipitation will continue through mid-month. Storms are convective and spotty. But there will be many chances for them.

#### 1-Month Outlook

- July outlook reflects the 8-14 day outlook. Mostly moderate to cool conditions likely for the month. Minimal chance of turning hot for any extended period.
- Those multiple precipitation chances continue also.



## Drought in the Midwest

U.S. Drought Monitor
USDA Midwest Climate Hub



June 25, 2019 (Released Thursday, Jun. 27, 2019) Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	
Current	96.77	3.23	0.00	0.00	0.00	0.00
Last Week 06-18-2019	96.77	3.23	0.00	0.00	0.00	0.00
3 Month's Ago 03-26-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	99.21	0.79	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	79.61	20.39	9.31	1.86	0.40	0.01
One Year Ago 06-26-2018	81.17	18.83	6.90	2.69	0.00	0.00

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

Author: Brad Pugh CPC/NOAA





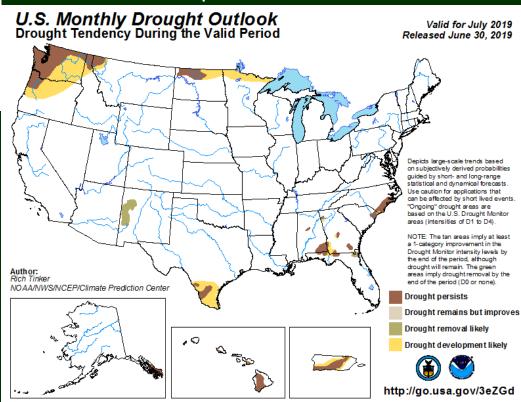




droughtmonitor.unl.edu

The Midwest remained free of drought. Some D0 areas existed in northern MN.

Extension of the drought area possible far north.



#### Summary

- Numerous ag issues with delayed crop development and wetness issues.
- Short term warm and dry conditions should shift to cooler and wetter for much of July
- Normally this would be an excellent pattern. This year it is not.
- Slow crop development will continue. GDDs will be at a premium.

# Next MAC-T Monthly Call

Next Call Wednesday, Aug 7th.