Hydrologic and Climate Assessment

June 1, 2018

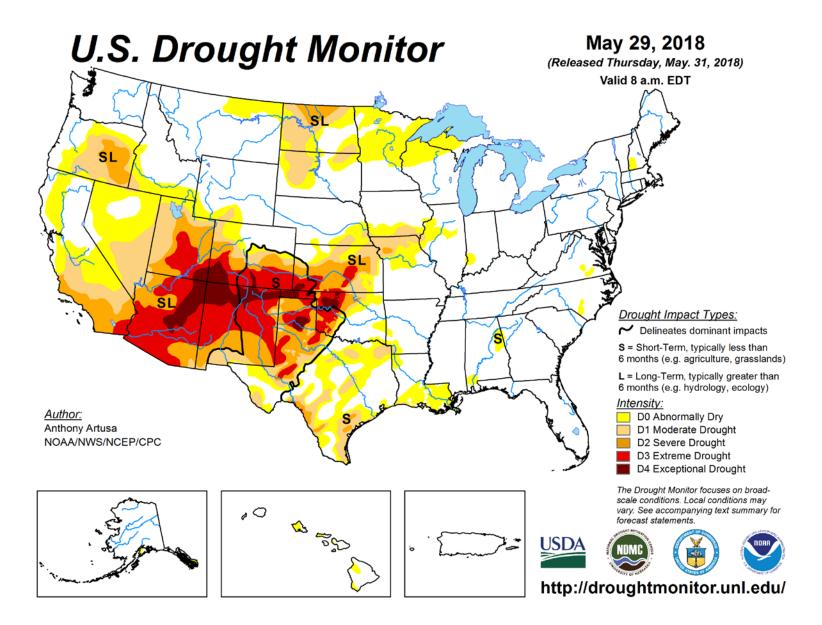




Aaron B. Wilson

STATE CLIMATE OFFICE OF OHIO (SCOO)
DEPARTMENT OF EXTENSION - CFAES

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DEPARTMENT OF GEOGRAPHY

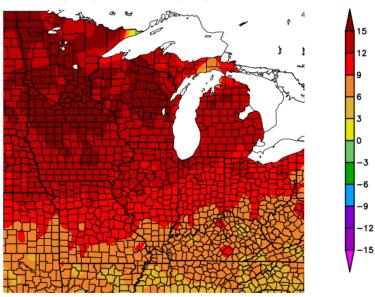




Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F) 5/24/2018 - 5/30/2018



Generated 5/31/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

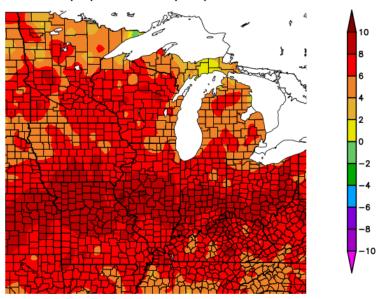




Temperature Differences Compared to Average (1981-2010)

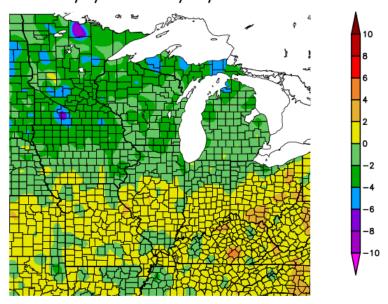
30-Day

Departure from Normal Temperature (F) 5/1/2018 - 5/30/2018



60-Day

Departure from Normal Temperature (F) 4/1/2018 - 5/30/2018



Generated 5/31/2018 at HPRCC using provisional data.

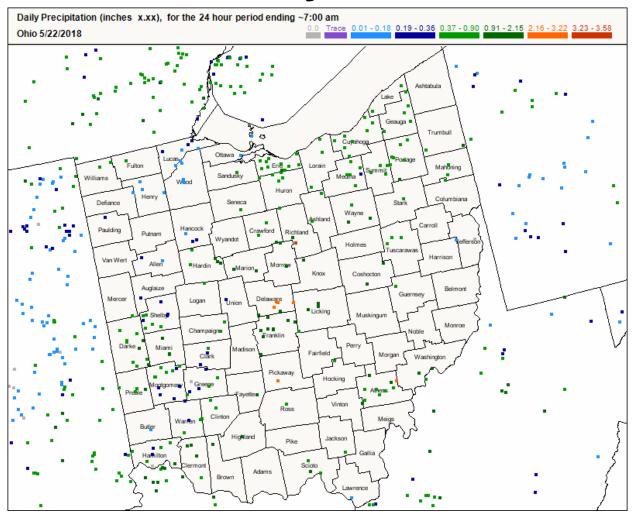
NOAA Regional Climate Centers Generated 5/31/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



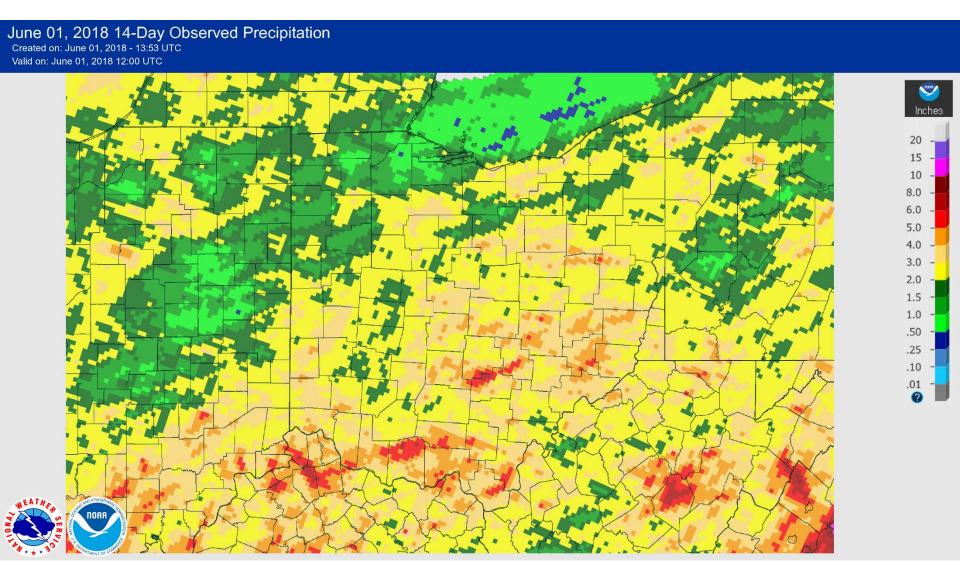


CoCoRaHS Observed Precipitation: May 22



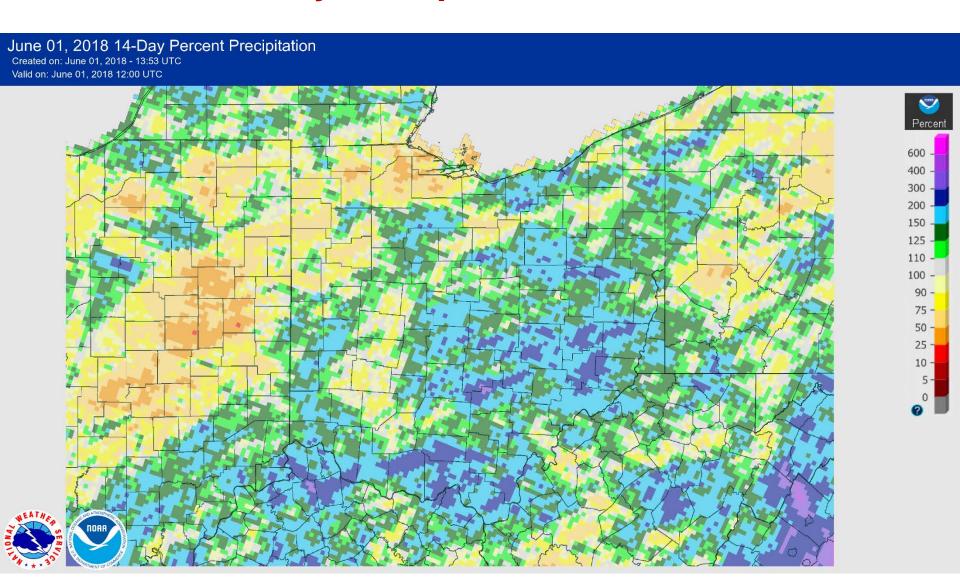


Previous 14-Day Precipitation: Total





Previous 14-Day Precipitation: Percent of Normal

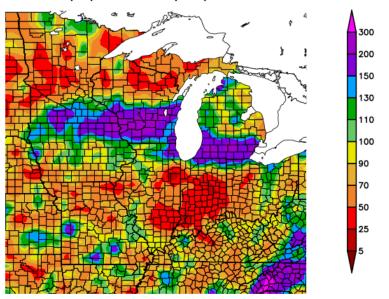




Precipitation Differences Compared to Average (1981-2010)

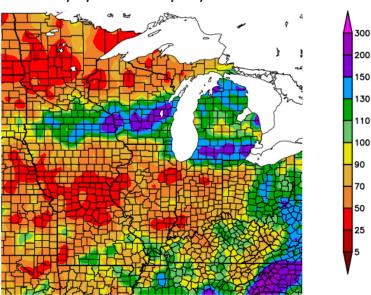
30-Day

Percent of Normal Precipitation (%) 5/1/2018 - 5/30/2018



60-Day

Percent of Normal Precipitation (%) 4/1/2018 - 5/30/2018



Generated 5/31/2018 at HPRCC using provisional data.

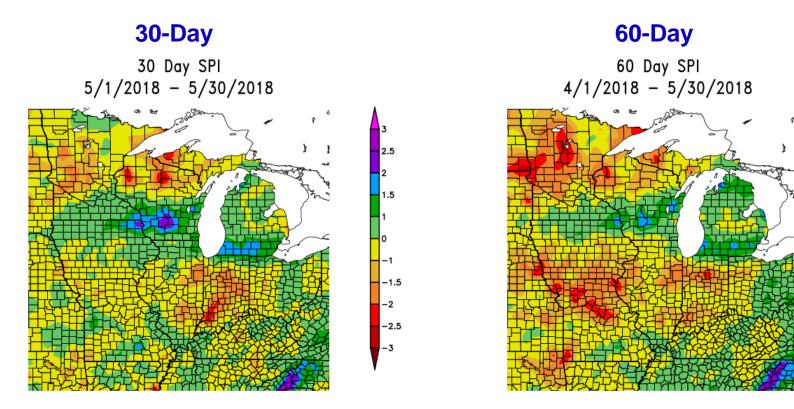
NOAA Regional Climate Centers Generated 5/31/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers





Standard Precipitation Index (SPI)



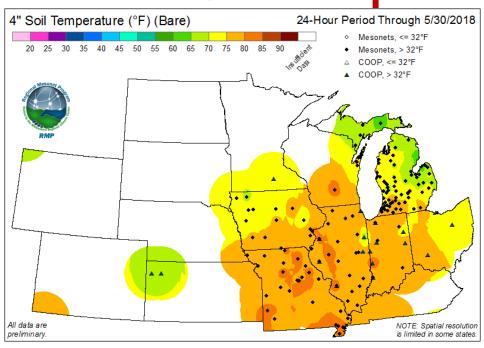
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NOAA Regional Climate Centers Generated 5/31/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

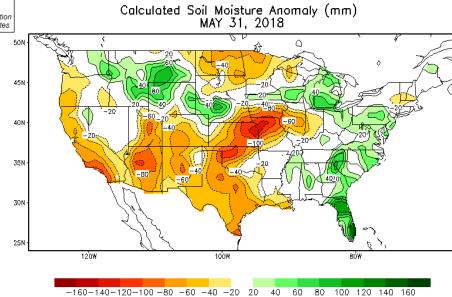


Soil Temperature/Moisture

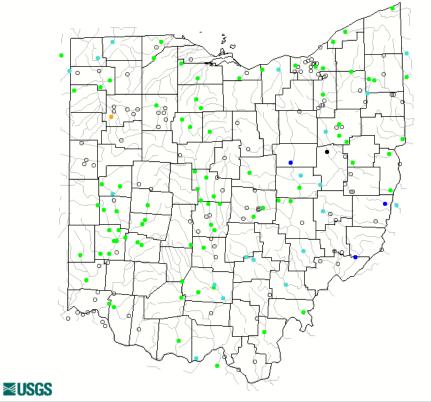




http://mrcc.isws.illinois.edu/cliwatch/special_topics/agri culture.html



7-DAY

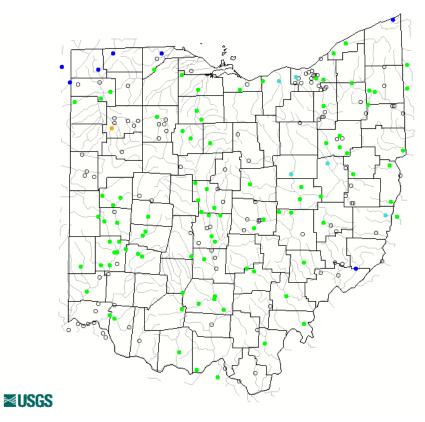


Explanation - Percentile classes							
		•	•			•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Average streamflow compared to historical streamflow for the day of the year

USGS Streamflow







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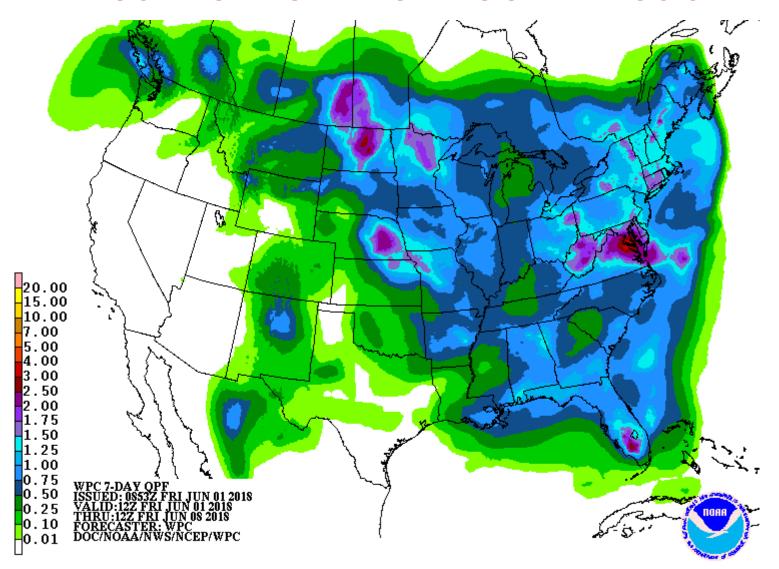
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Weather for the Week Ahead





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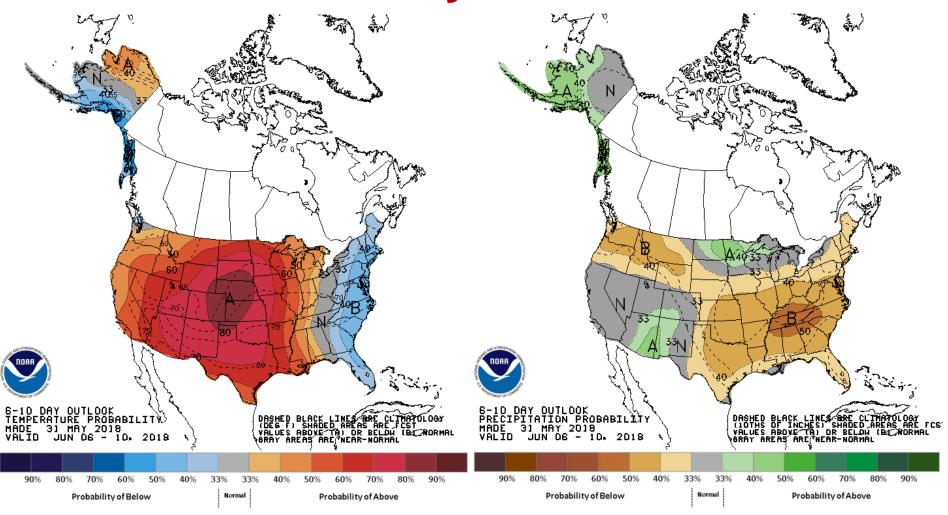
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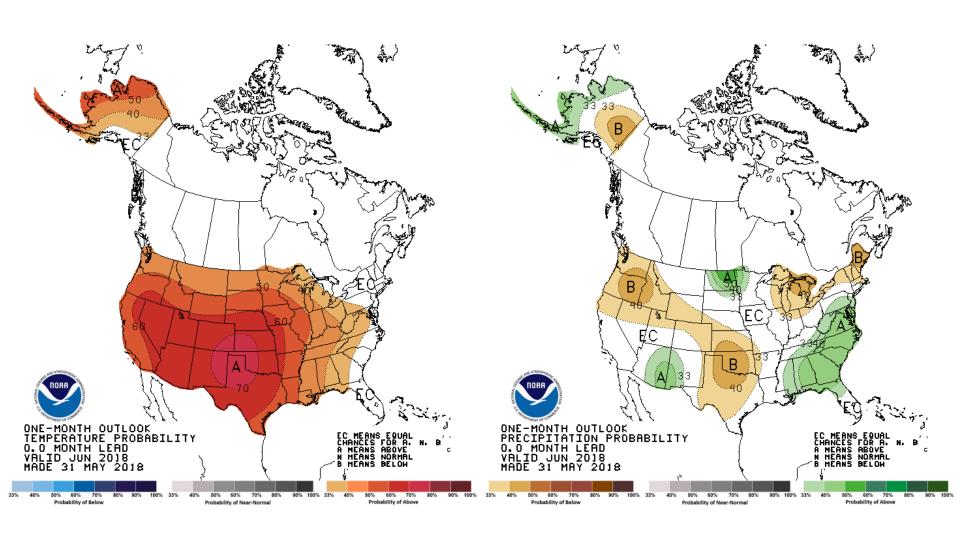
6-10 Day Outlook



Highs: Mid to upper 70s Lows: Low to mid 50s



June Outlook





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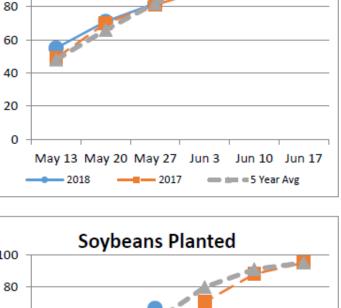
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Ag Highlights

- 4.0 days suitable for work
- Strong corn and soybean planting
- Winter wheat maturing rapidly
- Hay first cutting is picking up.
- Crop conditions are good to excellent.



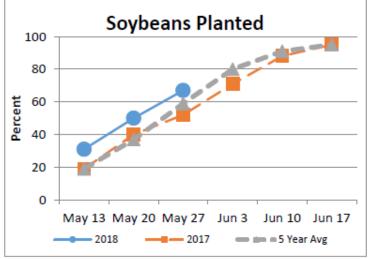
https://www.nass.usda.gov/Statistics_by_State/Ohio/Publications/Crop_Progress_&_Condition/2017/cw3017oh.pdf



Corn Planted

100

Percent



Summary of Conditions



Drought Monitor: No Formal drought in Ohio

30-Day and 60-Day: Drier conditions in west, but scattered storms are keeping things in check

The week ahead: Scattered showers and storms through weekend – comfortable temperatures through next week

