Hydrologic and Climate Assessment

June 19, 2019

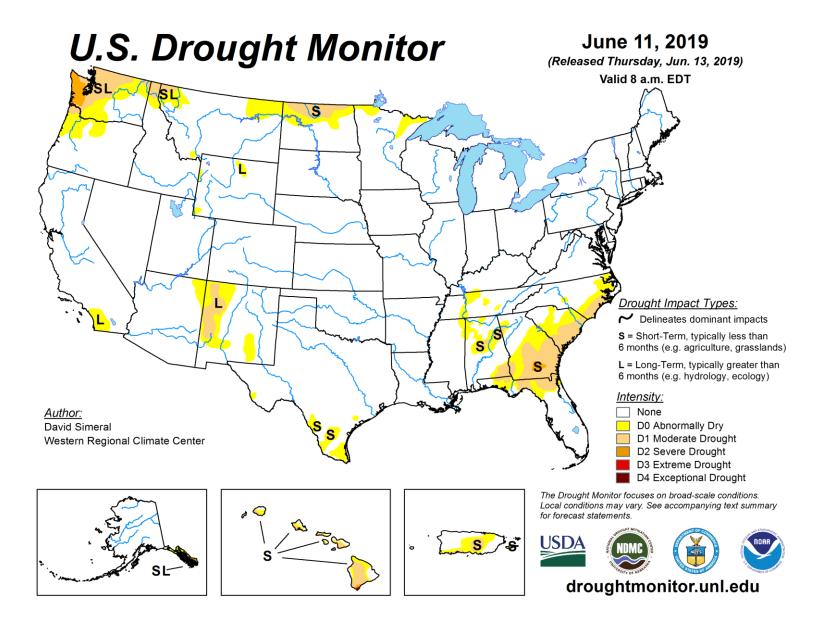


Christine Gelley: Noble County ANR Extension Educator

Bill Knapke





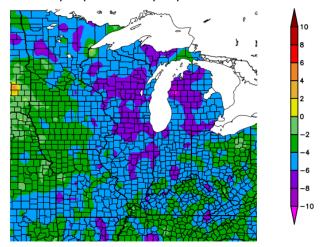




Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F) 6/12/2019 - 6/18/2019



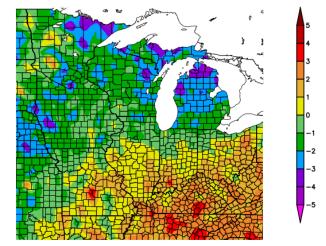
Generated 6/19/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers







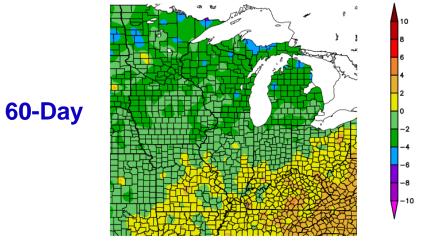


Departure from Normal Temperature (F) 5/20/2019 - 6/18/2019

Generated 6/19/2019 at HPRCC using provisional data

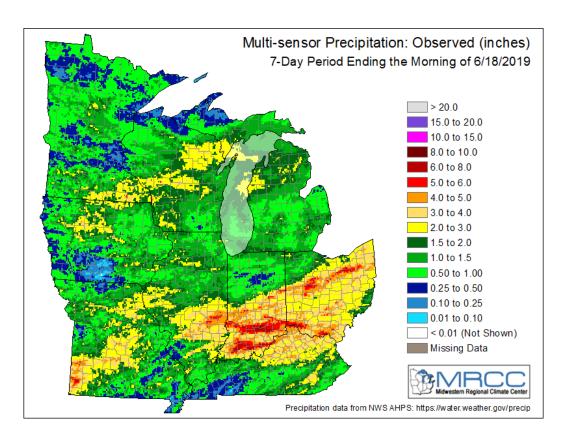
NOAA Regional Climate Centers

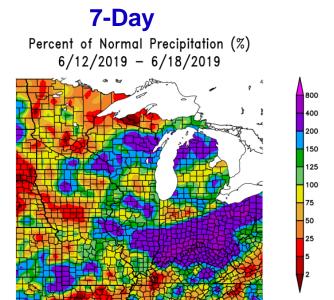
Departure from Normal Temperature (F) 4/20/2019 - 6/18/2019



STATE CLIMATE OFFICE OF OHIO (SCOO)

This Week's Precipitation





Generated 6/19/2019 at HPRCC using provisional data

NOAA Regional Climate Centers



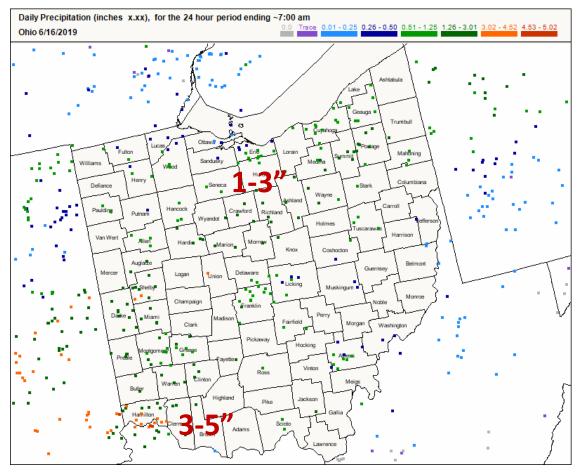
STATE CLIMATE OFFICE OF OHIO (SCOO)



CoCoRaHS

Since April 1

Cheviot: 37.45" since Jan 1



CoCoRaHS Name	Total Precip (inches)					
St. Marys 2.9 S	22.02					
Greenville 1.6 NNW	21.30					
Amelia 0.3 SSW	20.62					
Canfield 0.5 N	19.58					
Cherry Grove 0.4 NW	19.56					
Lexington 0.9 NW	19.28					
Anna 3.1 NNW	19.15					
Mogadore 4.7 SE	18.65					
Lima 2.7 NE	18.46					
Shelby 0.6 NNE	18.46					

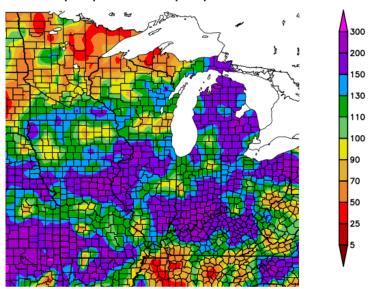
https://cocorahs.org/



Precipitation Differences Compared to Average (1981-2010)

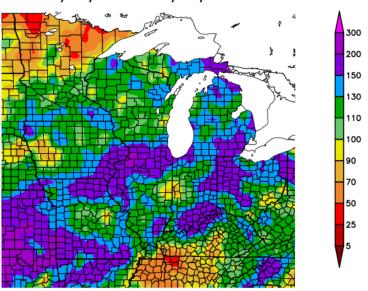
30-Day

Percent of Normal Precipitation (%) 5/20/2019 - 6/18/2019



60-Day

Percent of Normal Precipitation (%) 4/20/2019 - 6/18/2019



Generated 6/19/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 6/19/2019 at HPRCC using provisional data.

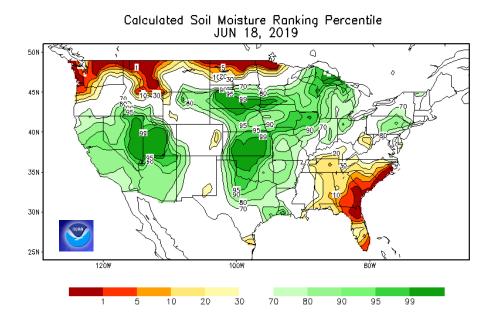
NOAA Regional Climate Centers

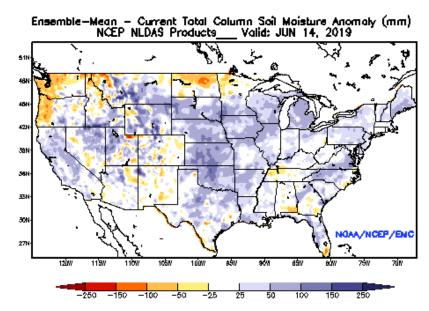




STATE CLIMATE OFFICE OF OHIO (SCOO)

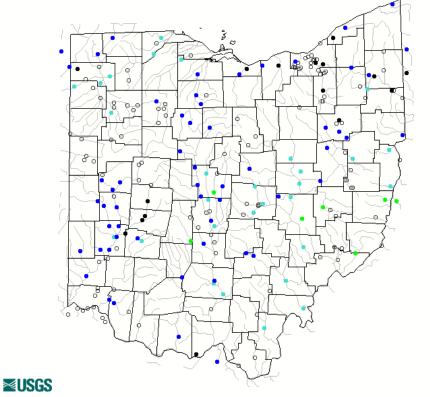
Soil Moisture







7-DAY

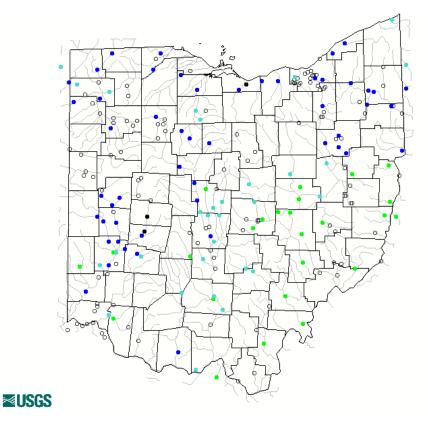


Explanation - Percentile classes							
		•	•			•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

USGS Streamflow



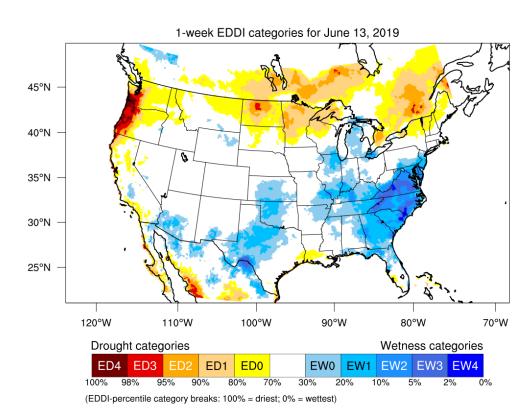






Evaporative Demand Drought Index

EDDI can offer early warning of agricultural drought, hydrologic drought, and fire-weather risk by providing near-real-time information on the emergence or persistence of anomalous evaporative demand in a region. A particular strength of EDDI is in capturing the precursor signals of water stress at weekly to monthly timescales, which makes EDDI a strong tool for preparedness for both flash droughts and ongoing droughts.

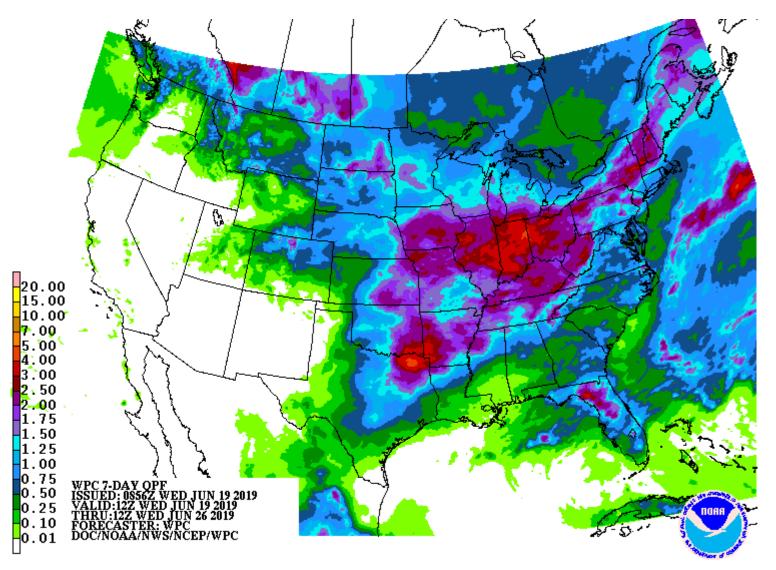


Generated by NOAA/ESRL/Physical Sciences Division

Image provided by the NOAA/ESRL Physical Sciences Division, Boulder, Colorado, from their web site at: https://www.esrl.noaa.gov/psd/.

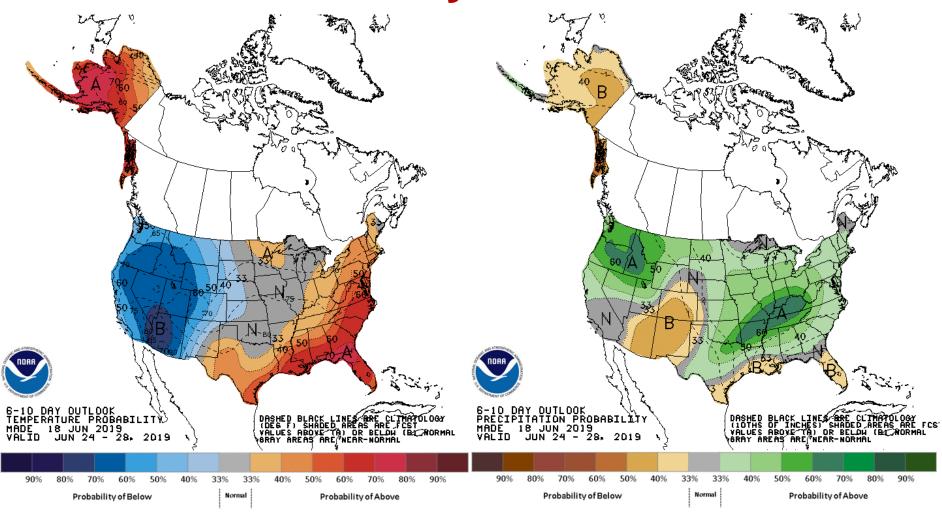


Weather for the Week Ahead





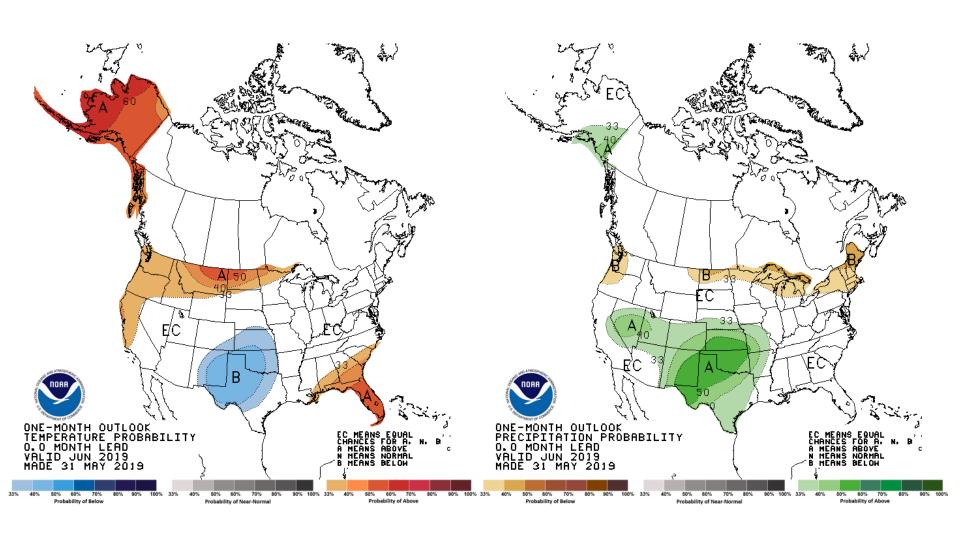
6-10 Day Outlook



Highs: 80-84°F; Lows: 59-64°F; Precip: 1.05-1.15" (per week)



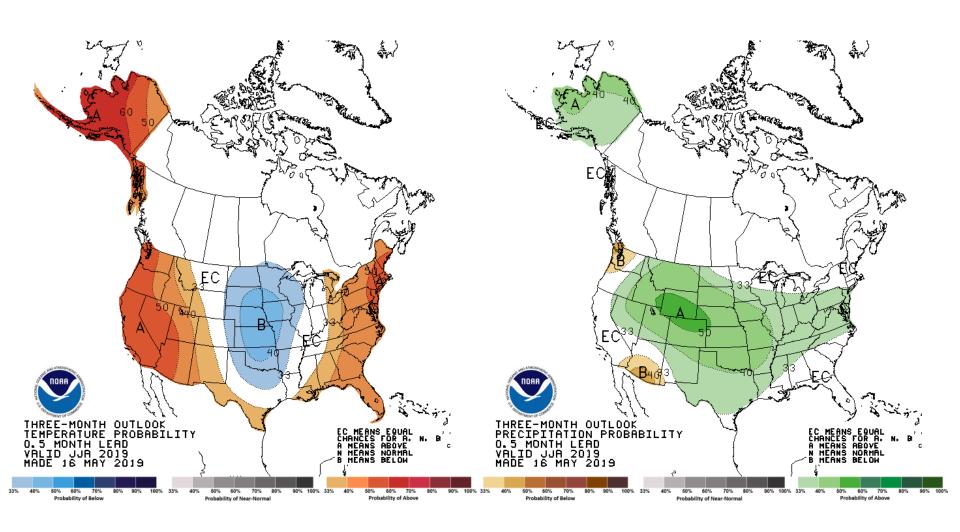
June 2019 Outlook





STATE CLIMATE OFFICE OF OHIO (SCOO)

June – August Outlook



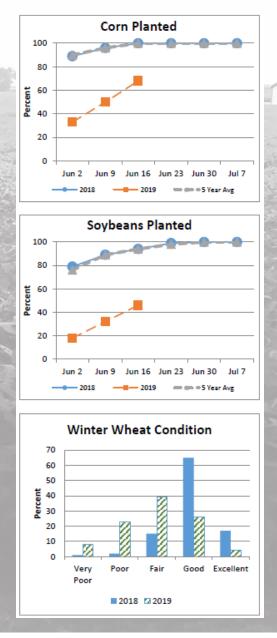


Ag Highlights

- 2.5 days suitable for fieldwork through
 June 16
- Corn and soybean planting increased again, but well behind 5-year averages
- Poor conditions to cut hay

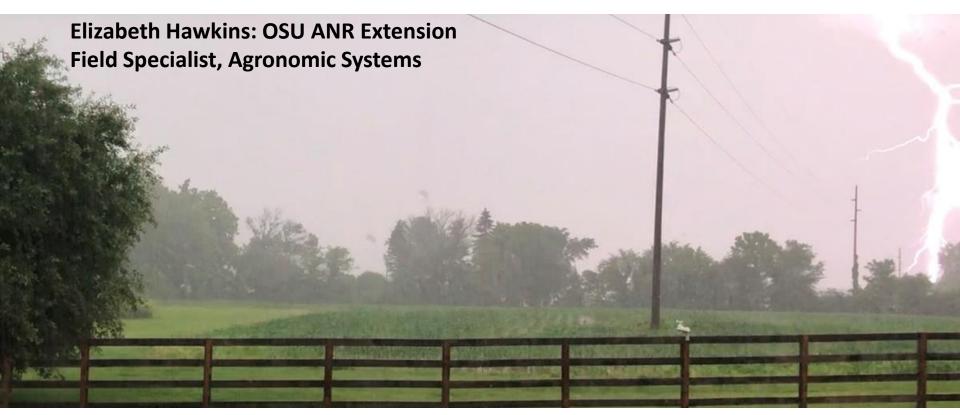
NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics_by_State/Ohio/Publications/Crop_Progress_&_Condition/2019/cw1719oh.pdf





Summary of Conditions



Drought Monitor: None

Climate Recap: Widespread rainfall across the state this past week; a little drier NW

The week ahead: Wet, few breaks, warm and humid





OHIO STATE UNIVERSITY EXTENSION

OSU Extension and the State Climate Office of Ohio present:

CLIMATE SMART: Farming with Weather Extremes

Thursday July 18, 2019 • 8:30 a.m. - 3:00 p.m. • Plain City, Ohio

Join us as we discuss climate impacts on farming in Ohio. Key topics include water management, crop insurance, risk management, conservation, and technology. We are pleased to announce that our keynote speaker will be Tyler Williams, Cropping Systems Extension Educator with the University of Nebraska – Lincoln. He will join us to discuss early lessons from the Spring 2019 Nebraska Flood event.

Agenda is as follows:

- 8:30 Registration & Continental Breakfast
- 9:15 Welcome
- 9:20 Ohio's Changing Climate (Aaron Wilson)
- 10:10 Water Management (Jeff Hattey)
- 11:00 Break
- 11:10 Price and Production Risk (Ben Brown)
- 12:00 Lunch, Networking, & Vendors
- 1:00 Keynote: Nebraska Flooding Spring 2019 (Tyler Williams)
- 2:00 Panel Discussion (Risk, Conservation, Technology, and more)
- 2:55 Program Close and Evaluation

Free to Attend! RSVP required by July 11, 2019 to receive lunch.

Follow this link to RSVP: Go.osu.edu/ClimateSmart Contact Information: Aaron Wilson

wilson.1010@osu.edu 614-292-7930

Der Dutchman Plain City, 445 S. Jefferson Ave Plain City, OH 43064

Platinum Event Sponsors













climate.osu.edu





Partners and Additional Information

- SCOO's Website: https://climate.osu.edu
- NOAA's National Climatic Data Center: www.ncdc.noaa.gov
 - Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate Hub: https://www.climatehubs.oce.usda.gov/hubs/midwest
- Climate Portal: <u>www.climate.gov</u>
- U.S. Drought Portal: <u>www.drought.gov</u>
- National Drought Mitigation Center: https://drought.unl.edu/
- Midwest Regional Climate Center: https://mrcc.isws.illinois.edu
- Community Collaborative Rain Snow Hail Network (CoCoRaHS): https://cocorahs.org
- Intro Song: "To Weather A Storm" by Dan Lebowitz