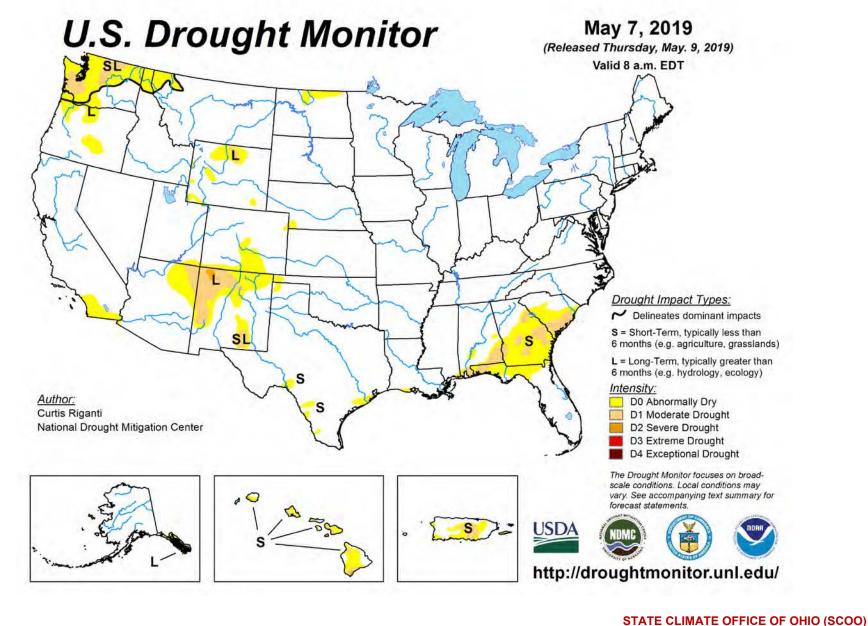
Hydrologic and Climate Assessment May 14, 2019



Aaron B. Wilson STATE CLIMATE OFFICE OF OHIO (SCOO) DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER

DEPARTMENT OF GEOGRAPHY

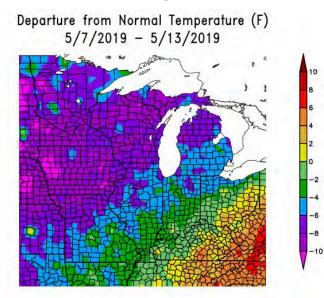


THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES DEPARTMENT OF EXTENSION BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

Temperature Differences Compared to Average (1981-2010)

7-Day



Generated 5/14/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

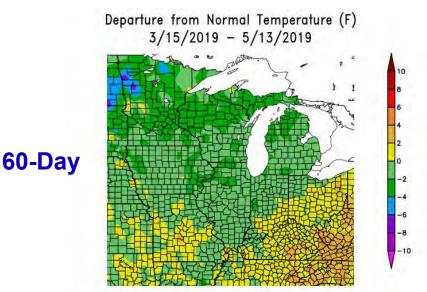




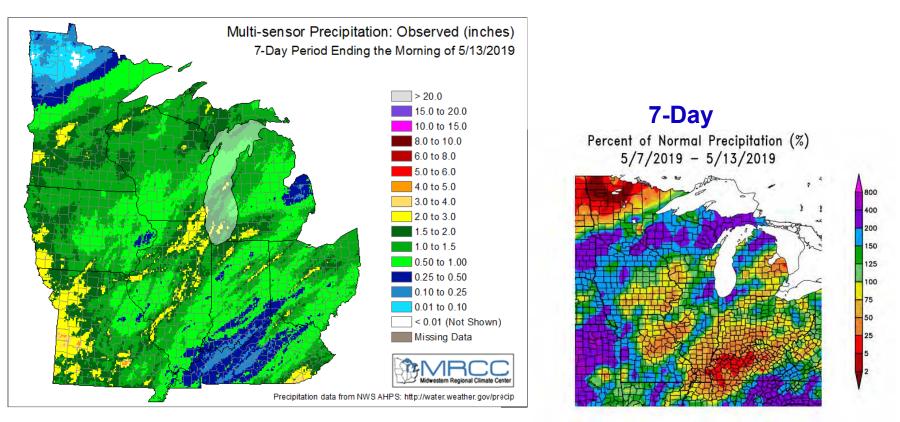
30-Day

Generated 5/13/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers



This Week's Precipitation



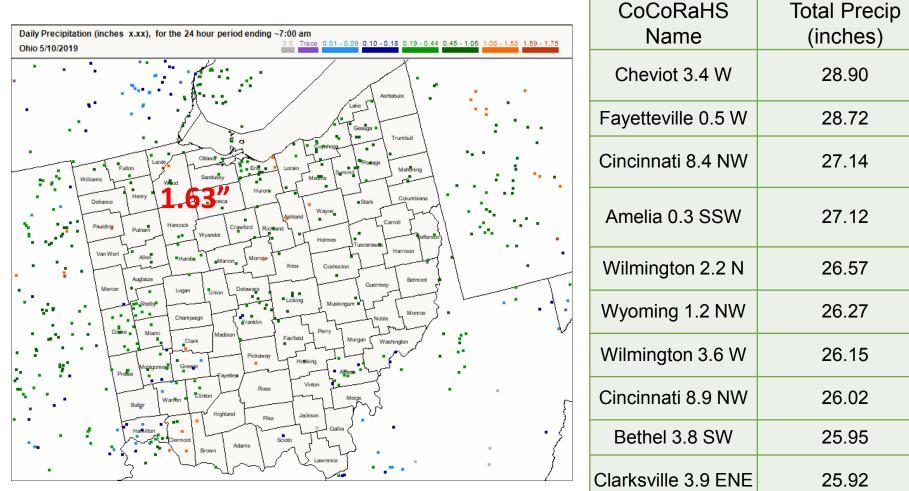
Generated 5/14/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers



THE OHIO STATE UNIVERSITY

CoCoRaHS



https://cocorahs.org/

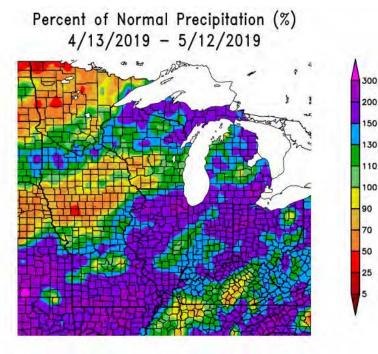
The Ohio State University

STATE CLIMATE OFFICE OF OHIO (SCOO)

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES DEPARTMENT OF EXTENSION BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

Precipitation Differences Compared to Average (1981-2010)

30-Day



Generated 5/13/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 5/14/2019 at HPRCC using provisional data.

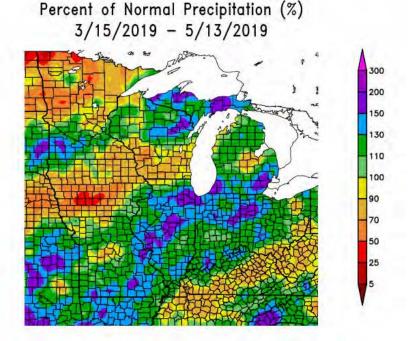
NOAA Regional Climate Centers



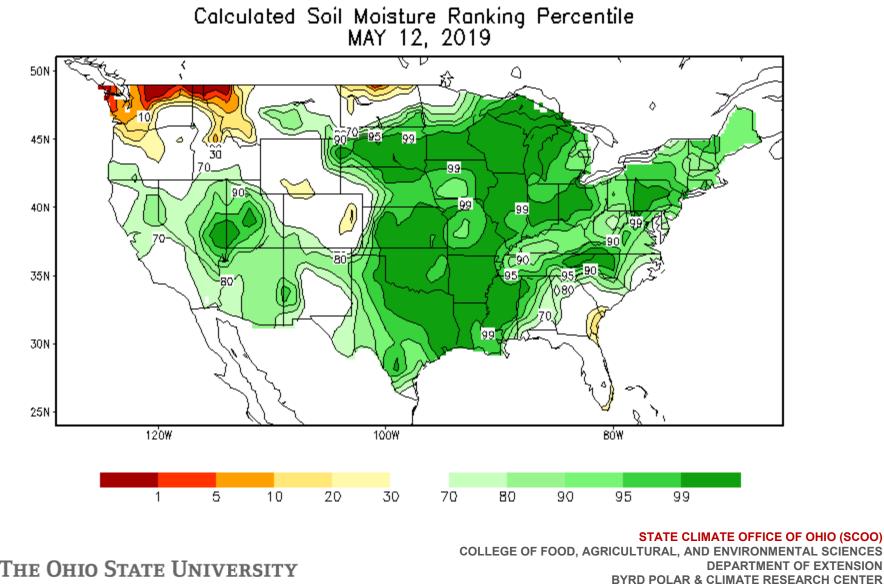


STATE CLIMATE OFFICE OF OHIO (SCOO) COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES DEPARTMENT OF EXTENSION BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

60-Day

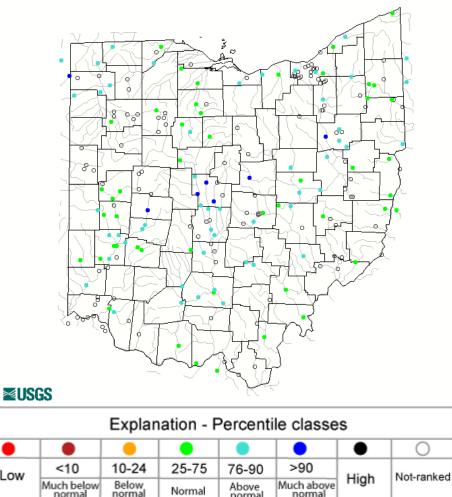


Soil Moisture



DEPARTMENT OF GEOGRAPHY

7-DAY



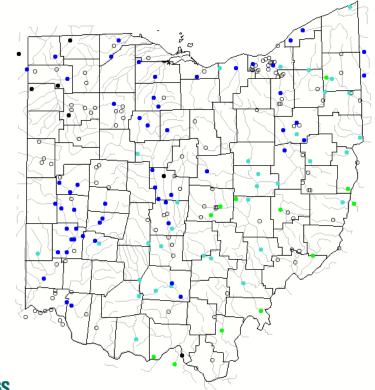
Average streamflow compared to historical streamflow for the day of the year

normal

normal

USGS Streamflow

28-DAY



≊USGS

STATE CLIMATE OFFICE OF OHIO (SCOO)

THE OHIO STATE UNIVERSITY

Low

normal

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES DEPARTMENT OF EXTENSION **BYRD POLAR & CLIMATE RESEARCH CENTER** DEPARTMENT OF GEOGRAPHY

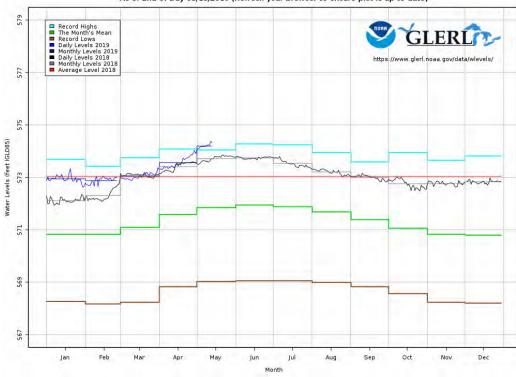
Lake Erie Water Levels

MILLER FERRY BOAT LINE/BILLY MARKET



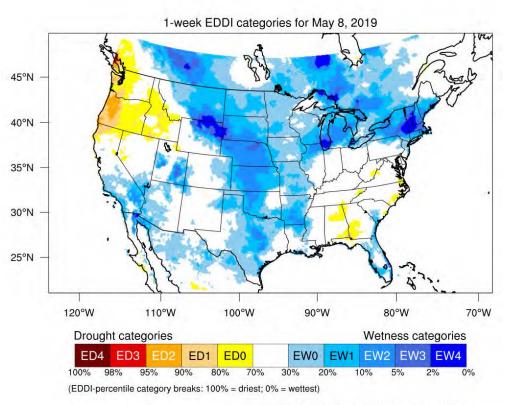


Lake Erie Water Levels from Fairport, OH - 9063053 2018 - 2019 As of End of Day 05/13/2019 (Refresh your browser to ensure plot is up to date)



Evaporative Demand Drought Index

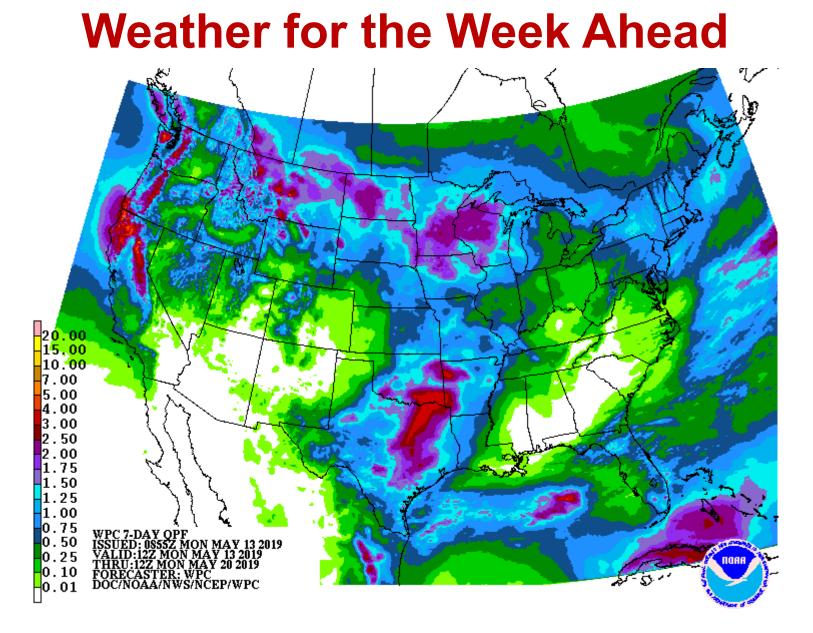
EDDI offer early warning of can agricultural drought, hydrologic drought, and fire-weather risk by providing nearreal-time information on the emergence or persistence of anomalous evaporative demand in a region. A particular strength of EDDI is in capturing the precursor signals of water stress at weekly 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

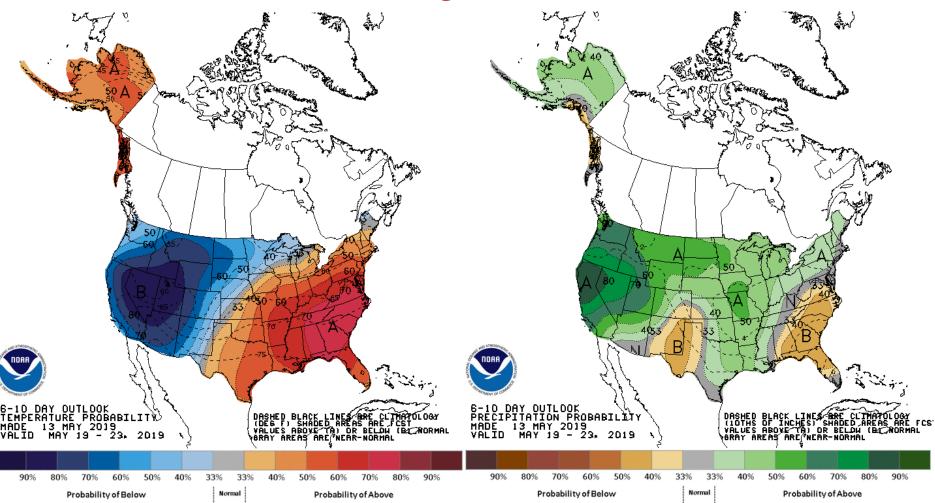
Image provided by the NOAA/ESRL Physical Sciences Division, Boulder, Colorado, from their web site at: https://www.esrl.noaa.gov/psd/.







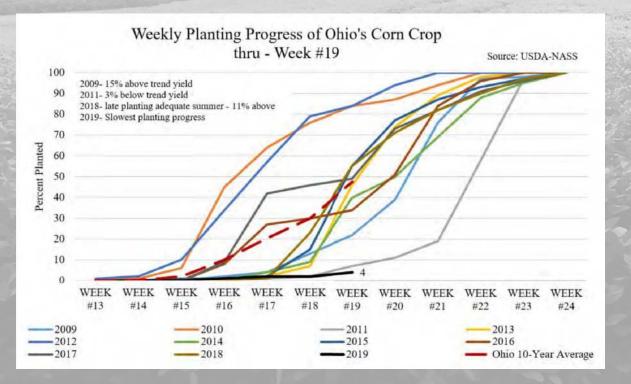
6-10 Day Outlook



Highs: 69-73°F; Lows: 47-52°F; Precip: 0.95-1.05" (per week)

The Ohio State University

Ag Highlights



1.5 days suitablefor fieldworkthrough May 12

- Saturated soils, standing water – limiting work in fields
- Some corn and beans planted – only 4% corn – behind the longterm averages

NASS: Cheryl Turner -

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

THE OHIO STATE UNIVERSITY

Summary of Conditions



Drought Monitor: None

Climate Recap: WET! Cold in the NW; A little above average in the SE

The week ahead: Seasonally mild and a bit drier this week. Perhaps some planting windows.



Partners and Additional Information

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