U.S. Drought Monitor

May 7, 2019
(Released Thursday, May. 9, 2019)
Valid 8 a.m. EDT

Drought Impact Types:
- Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 8 months (e.g. hydrology, ecology)

Intensity:
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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

http://droughtmonitor.unl.edu/

Author:
Curtis Riganti
National Drought Mitigation Center
Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F)
5/7/2019 - 5/13/2019

30-Day

Departure from Normal Temperature (F)
4/13/2019 - 5/12/2019

60-Day

Departure from Normal Temperature (F)
3/15/2019 - 5/13/2019
This Week’s Precipitation

Multi-sensor Precipitation: Observed (inches)
7-Day Period Ending the Morning of 5/13/2019

7-Day Percent of Normal Precipitation (%)
5/7/2019 - 5/13/2019

Precipitation data from NWS AHPS: http://water.weather.gov/precip

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

THE OHIO STATE UNIVERSITY
CoCoRaHS

CoCoRaHS

<table>
<thead>
<tr>
<th>Name</th>
<th>Total Precip (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cheviot 3.4 W</td>
<td>28.90</td>
</tr>
<tr>
<td>Fayetteville 0.5 W</td>
<td>28.72</td>
</tr>
<tr>
<td>Cincinnati 8.4 NW</td>
<td>27.14</td>
</tr>
<tr>
<td>Amelia 0.3 SSW</td>
<td>27.12</td>
</tr>
<tr>
<td>Wilmington 2.2 N</td>
<td>26.57</td>
</tr>
<tr>
<td>Wyoming 1.2 NW</td>
<td>26.27</td>
</tr>
<tr>
<td>Wilmington 3.6 W</td>
<td>26.15</td>
</tr>
<tr>
<td>Cincinnati 8.9 NW</td>
<td>26.02</td>
</tr>
<tr>
<td>Bethel 3.8 SW</td>
<td>25.95</td>
</tr>
<tr>
<td>Clarksville 3.9 ENE</td>
<td>25.92</td>
</tr>
</tbody>
</table>

https://cocorahs.org/
Precipitation Differences Compared to Average (1981-2010)

30-Day

Percent of Normal Precipitation (%)
4/13/2019 - 5/12/2019

60-Day

Percent of Normal Precipitation (%)
3/15/2019 - 5/13/2019

Generated 5/13/2019 at HPRCC using provisional data.
NOAA Regional Climate Centers
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NOAA Regional Climate Centers
Soil Moisture

Calculated Soil Moisture Ranking Percentile
MAY 12, 2019

Map showing soil moisture percentages across the United States with a color scale ranging from 1 to 99 percent.
Average streamflow compared to historical streamflow for the day of the year.
Lake Erie Water Levels

Lake Erie Water Levels from Fairport, OH - 9663053 2018 - 2019
As of End of Day 05/13/2019 (Refresh your browser to ensure plot is up to date)

https://www.glerl.noaa.gov/data/levels/

MILLER FERRY BOAT LINE/BILLY MARKET

THE BLADE/JEREMY WADSWORTH
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.

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: 69-73°F; Lows: 47-52°F; Precip: 0.95-1.05” (per week)
Ag Highlights

• 1.5 days suitable for fieldwork through May 12

• Saturated soils, standing water – limiting work in fields

• Some corn and beans planted – only 4% corn – behind the long-term averages

NASS: Cheryl Turner –
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: https://climate.osu.edu
- NOAA’s National Climatic Data Center: www.ncdc.noaa.gov
- NOAA’s Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate Hub: https://www.climatehubs.oeo.usda.gov/hubs/midwest
- Climate Portal: www.climate.gov
- 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