Hydrologic and Climate Assessment
April 16, 2020

Photo Credit: Elizabeth Hawkins
Temperature Differences Compared to Average (1981-2010)

7-Day

Departure from Normal Temperature (F)
4/8/2020 - 4/14/2020

30-Day

Departure from Normal Temperature (F)
3/16/2020 - 4/14/2020

60-Day

Departure from Normal Temperature (F)
2/15/2020 - 4/14/2020

Generated 4/15/2020 at HPRCC using provisional data.
NOAA Regional Climate Centers
This Week’s Cold

11 hours < 32F
9 hours < 28F
5 hours < 22F
This Week’s Precipitation

Multi-sensor Precipitation: Observed (inches)
7-Day Period Ending the Morning of 4/15/2020

7-Day
Percent of Normal Precipitation (%)
4/8/2020 – 4/14/2020

Precipitation data from NWS AHPS: https://water.weather.gov/precip
Top 10 Wettest: Mar-Apr

<table>
<thead>
<tr>
<th>CoCoRaHS Name</th>
<th>Total Precip (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunbury 5.7 ESE</td>
<td>12.58</td>
</tr>
<tr>
<td>Reynoldsburg 1.1 ENE</td>
<td>12.27</td>
</tr>
<tr>
<td>Granville 4.0 N</td>
<td>11.70</td>
</tr>
<tr>
<td>Kirkersville 3.3 N</td>
<td>11.64</td>
</tr>
<tr>
<td>Springfield 7.4 SW</td>
<td>11.57</td>
</tr>
<tr>
<td>Alexandria 2.1 NNW</td>
<td>11.40</td>
</tr>
<tr>
<td>Westerville 0.7 N</td>
<td>11.29</td>
</tr>
<tr>
<td>Newark 9.9 ENE</td>
<td>11.14</td>
</tr>
<tr>
<td>Granville 5.6 N</td>
<td>11.08</td>
</tr>
<tr>
<td>Dresden 1.1 N</td>
<td>10.98</td>
</tr>
</tbody>
</table>

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

30-Day

Percent of Normal Precipitation (%)
3/16/2020 - 4/14/2020

60-Day

Percent of Normal Precipitation (%)
2/15/2020 - 4/14/2020
Soil Moisture

Calculated Soil Moisture Ranking Percentile
APR 14, 2020

Ensemble-Mean – Current Total Column Soil Moisture Anomaly (mm)
NCEP NLDAS Products Valid: MAR 31, 2020

STATE CLIMATE OFFICE OF OHIO (SCOO)
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES
DEPARTMENT OF EXTENSION
BYRD POLAR & CLIMATE RESEARCH CENTER
DEPARTMENT OF GEOGRAPHY
Average streamflow compared to historical streamflow for the day of the year.
Weather for the Week Ahead

Friday

Sunday

Tuesday
Weather for the Week Ahead

[Map showing weather conditions across the United States with various color codes indicating different values.]

STATE CLIMATE OFFICE OF OHIO (SCO0)
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES
DEPARTMENT OF EXTENSION
BYRD POLAR & CLIMATE RESEARCH CENTER
DEPARTMENT OF GEOGRAPHY

THE OHIO STATE UNIVERSITY
6-10 Day Outlook

Highs: 57-64°F; Lows: 37-43°F; Precip: 0.85-1.05” (per week)
May - July Outlook
Ag Highlights

• 2 suitable days for fieldwork
• Spraying weeds, tiling, manure hauling, top dressing wheat
• Soil moisture remains at a surplus

NASS: Cheryl Turner –

Photo Credit: Beth Scheckelhoff
Drought Monitor: None

Climate Recap: Heavy rain in the south and east; cold temperatures across the region

Ahead: Slow moderation in temperatures; active pattern but weak systems (some snow)
Partners and Additional Information

• SCOO’s Website: [https://climate.osu.edu](https://climate.osu.edu)

• NOAA’s National Climatic Data Center: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)

• NOAA’s Climate Prediction Center: [www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

• USDA Midwest Climate Hub: [https://www.climatehubs.oce.usda.gov/hubs/midwest](https://www.climatehubs.oce.usda.gov/hubs/midwest)

• Climate Portal: [www.climate.gov](http://www.climate.gov)

• U.S. Drought Portal: [www.drought.gov](http://www.drought.gov)

• National Drought Mitigation Center: [https://drought.unl.edu/](https://drought.unl.edu/)

• Midwest Regional Climate Center: [https://mrcc.isws.illinois.edu](https://mrcc.isws.illinois.edu)

• Community Collaborative Rain Snow Hail Network (CoCoRaHS): [https://cocorahs.org](https://cocorahs.org)

• Song: “Wishful Thinking” by Dan Lebowitz