Hydrologic and Climate Assessment
August 3, 2017

“Dog days bright and clear
Indicate a good year;
But when accompanied by rain,
We hope for better times in vain.”

Photo Credit: Jason Cervenec – Education and Outreach Director, BPCRC
Previous 30-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (°F)
7/4/2017 – 8/2/2017

Generated 8/3/2017 at HPRCC using provisional data.

Regional Climate Centers

THE OHIO STATE UNIVERSITY
CoCoRaHS Observed Precipitation:

July 28

1.56”
CoCoRaHS Observed Precipitation:

July 29

5.12"
Previous 7-Day Precipitation: Total
Previous 7-Day Precipitation: Percent of Normal

Map showing precipitation percent of normal across Ohio state.
Previous 30-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%)
7/4/2017 – 8/2/2017

Generated 8/3/2017 at HPRCC using provisional data.
## May-July 2017 Precipitation Ranks

<table>
<thead>
<tr>
<th>Station Name</th>
<th>County</th>
<th>Climate Division</th>
<th>Total Precipitation</th>
<th>Departure from Normal</th>
<th>1-day Max</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lima</td>
<td>Allen</td>
<td>1</td>
<td>23.01</td>
<td>10.85</td>
<td>3.66</td>
<td>07-11</td>
</tr>
<tr>
<td>Fremont</td>
<td>Sandusky</td>
<td>2</td>
<td>17.10</td>
<td>5.53</td>
<td>2.50</td>
<td>07-11</td>
</tr>
<tr>
<td>Cleveland-Hopkins International Airport</td>
<td>Cuyahoga</td>
<td>3</td>
<td>14.41</td>
<td>3.86</td>
<td>2.60</td>
<td>06-30</td>
</tr>
<tr>
<td>Versailles</td>
<td>Darke</td>
<td>4</td>
<td>19.80</td>
<td>7.18</td>
<td>1.90</td>
<td>06-23</td>
</tr>
<tr>
<td>London Fish Hatchery</td>
<td>Madison</td>
<td>5</td>
<td>21.15</td>
<td>8.25</td>
<td>3.86</td>
<td>07-11</td>
</tr>
<tr>
<td>Mansfield Lahm Regional Airport</td>
<td>Richland</td>
<td>6</td>
<td>18.14</td>
<td>4.47</td>
<td>3.33</td>
<td>06-13</td>
</tr>
<tr>
<td>Dennison Water Works</td>
<td>Tuscarawas</td>
<td>7</td>
<td>17.54</td>
<td>5.11</td>
<td>1.48</td>
<td>06-19</td>
</tr>
<tr>
<td>Dayton International Airport</td>
<td>Montgomery</td>
<td>8</td>
<td>18.73</td>
<td>5.79</td>
<td>2.86</td>
<td>06-23</td>
</tr>
<tr>
<td>South Point</td>
<td>Lawrence</td>
<td>9</td>
<td>17.01</td>
<td>2.45</td>
<td>2.25</td>
<td>06-24</td>
</tr>
<tr>
<td>New Lexington (2NW)</td>
<td>Perry</td>
<td>10</td>
<td>20.43</td>
<td>7.23</td>
<td>3.07</td>
<td>07-22</td>
</tr>
</tbody>
</table>

Data for this analysis originates from NOAA’s National Centers for Environmental Information (NCEI) Climate Division dataset ([https://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php](https://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php)) and was obtained from the Midwest Regional Climate Center ([http://mrcc.isws.illinois.edu/](http://mrcc.isws.illinois.edu/)).
Average streamflow compared to historical streamflow for the day of the year
Weather for the Week Ahead
6-10 Day Outlook

Highs: Low to mid 80s
Lows: Mid 60s
Revised August Outlook

ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID AUG 2017
MADE 31 JUL 2017

ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.0 MONTH LEAD
VALID AUG 2017
MADE 31 JUL 2017

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
Ag Highlights

- 4.4 days suitable for fieldwork for the week ending July 30th

- Some fields (soybean) are still showing effects of standing water

- Cutting hay, harvesting wheat, spraying fields, and spreading manure picked up with drier weather

NASS: Cheryl Turner –
Drought Monitor: No Drought

30-Day and 60-Day: Some standing water remains but conditions improved

Precipitation: Scattered thunderstorms possible throughout most of the upcoming week; Temperatures will remain mild for this time of the year