U.S. Drought Monitor
Ohio

September 24, 2019
(Released Thursday, Sep. 26, 2019)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

<table>
<thead>
<tr>
<th></th>
<th>None</th>
<th>D0-D4</th>
<th>D1-D4</th>
<th>D2-D4</th>
<th>D3-D4</th>
<th>D4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>34.22</td>
<td>65.78</td>
<td>8.85</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Last Week</td>
<td>81.69</td>
<td>18.31</td>
<td>5.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>3 Months Ago</td>
<td>100.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Start of Calendar Year</td>
<td>100.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Start of Water Year</td>
<td>100.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>One Year Ago</td>
<td>100.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Intensity:
- None
- 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.

Author:
Eric Luebehusen
U.S. Department of Agriculture

droughtmonitor.unl.edu

STATE CLIMATE OFFICE OF OHIO (SCOO)
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
Departure from Normal Temperature (F) 9/1/2019 – 9/30/2019

30-Day
Departure from Normal Temperature (F) 8/2/2019 – 9/30/2019

60-Day
Departure from Normal Temperature (F) 9/1/2019 – 9/30/2019
This Week’s Precipitation

Multi-sensor Precipitation: Observed (inches)
7-Day Period Ending the Morning of 10/1/2019

7-Day
Percent of Normal Precipitation (%)
9/24/2019 – 9/30/2019

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

Generated 10/1/2019 at NPRCC using provisional data.

NOAA Regional Climate Centers

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## CoCoRaHS

**Cheviot: 52.93” since Jan 1**

### Daily Precipitation (inches +.xxx), for the 24 hour period ending ~7:00 am

**Ohio 9/28/2019**

<table>
<thead>
<tr>
<th>Name</th>
<th>Total Precip (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenville 1.6 NNW</td>
<td>4.24</td>
</tr>
<tr>
<td>Piqua 0.8 SSE</td>
<td>4.55</td>
</tr>
<tr>
<td>Huber Heights 1.8 NNW</td>
<td>4.97</td>
</tr>
<tr>
<td>Potsdam 2.6 WSW</td>
<td>5.19</td>
</tr>
<tr>
<td>Bradford 2.3 NW</td>
<td>5.54</td>
</tr>
<tr>
<td>Raymond 3.5 NW</td>
<td>5.62</td>
</tr>
<tr>
<td>Ripley 0.9 SSE</td>
<td>5.64</td>
</tr>
<tr>
<td>Greenville 4.5 N</td>
<td>5.73</td>
</tr>
<tr>
<td>Eaton 1.1 WSW</td>
<td>5.85</td>
</tr>
<tr>
<td>Versailles 1.6 WSW</td>
<td>5.97</td>
</tr>
</tbody>
</table>

[https://cocorahs.org/](https://cocorahs.org/)

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### Driest since July 1

- Cheviot: 52.93” since Jan 1
- 2.53”

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CoCoRaHS

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DEPARTMENT OF GEOGRAPHY
Precipitation Differences Compared to Average (1981-2010)

30-Day
Percent of Normal Precipitation (%)  
9/1/2019 – 9/30/2019

60-Day
Percent of Normal Precipitation (%)  
8/2/2019 – 9/30/2019

Generated 10/1/2019 at HPRCC using provisional data.  NOAA Regional Climate Centers

Generated 10/1/2019 at HPRCC using provisional data.  NOAA Regional Climate Centers
Soil Moisture

Calculated Soil Moisture Ranking Percentile
SEP 30, 2019

Ensemble–Mean – Current Total Column Soil Moisture Anomaly (mm)
NCEP NLDAS Products Valid: SEP 27, 2019

THE OHIO STATE UNIVERSITY

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

Thursday

Friday
Weather for the Week Ahead
6-10 Day Outlook

Highs: 66-70°F; Lows: 46-50°F; Precip: 0.60-0.70” (per week)
Ag Highlights

- 6.3 days suitable for fieldwork during the week ending September 29.

- Warm temperatures helped to mature corn and soybeans, although they were still well behind the 5-year average development.

- Winter wheat planting progress leapt ahead of last year and the 5-year average as planters rolled quickly through dry fields.

- Pasture conditions decreased slightly as growth was stunted.

NASS: Cheryl Turner –
Summary of Conditions

Drought Monitor: Moderate Drought conditions continue across part of the state

Climate Recap: Dry and very hot conditions continued this week

The week ahead: Much cooler weather ahead – increase in the chance of showers
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: www.climate.gov

• U.S. Drought Portal: www.drought.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

• Song: “Lazy River Rag” by Dan Lebowitz