U.S. Drought Monitor

October 1, 2019
(Released Thursday, Oct. 3, 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 6 months (e.g. hydrology, ecology)

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.

droughtmonitor.unl.edu

STATE CLIMATE OFFICE OF OHIO (SCOOG)
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)
10/1/2019 - 10/7/2019

30-Day
Departure from Normal Temperature (F)
9/8/2019 - 10/7/2019

60-Day
Departure from Normal Temperature (F)
8/9/2019 - 10/7/2019

Generated 10/8/2019 at HPRCC using provisional data. NOAA Regional Climate Centers
This Week’s Precipitation

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

7-Day
Percent of Normal Precipitation (%)
10/1/2019 – 10/7/2019

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

Generated 10/8/2019 at HPRCC using provisional data.
NOAA Regional Climate Centers
CoCoRaHS

Driest since July 1

<table>
<thead>
<tr>
<th>CoCoRaHS Name</th>
<th>Total Precip (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenville 1.6 NNW</td>
<td>4.4</td>
</tr>
<tr>
<td>Piqua 0.8 SSE</td>
<td>4.88</td>
</tr>
<tr>
<td>Huber Heights 1.8 NNW</td>
<td>5.21</td>
</tr>
<tr>
<td>Bradford 2.3 NW</td>
<td>5.74</td>
</tr>
<tr>
<td>Potsdam 2.6 WSW</td>
<td>5.78</td>
</tr>
<tr>
<td>Raymond 3.5 NW</td>
<td>5.89</td>
</tr>
<tr>
<td>Greenville 4.5 N</td>
<td>5.98</td>
</tr>
<tr>
<td>Versailles 1.6 WSW</td>
<td>6.18</td>
</tr>
<tr>
<td>Sidney 5.4 SW</td>
<td>6.41</td>
</tr>
<tr>
<td>Pitsburg 1.4 ENE</td>
<td>6.43</td>
</tr>
</tbody>
</table>

https://cocorahs.org/

Cheviot: 53.34” since Jan 1

4.45”

4.10”
Precipitation Differences Compared to Average (1981-2010)

30-Day Percent of Normal Precipitation (%)
9/8/2019 – 10/7/2019

60-Day Percent of Normal Precipitation (%)
8/9/2019 – 10/7/2019

Generated 10/8/2019 at HPRCC using provisional data.
NOAA Regional Climate Centers

Generated 10/8/2019 at HPRCC using provisional data.
NOAA Regional Climate Centers
Soil Moisture

Calculated Soil Moisture Ranking Percentile
OCT 07, 2019

Ensemble—Mean – Current Total Column Soil Moisture Anomaly (mm)
NCEP NLDAS Products Valid: OCT 03, 2019
Average streamflow compared to historical streamflow for the day of the year
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

Saturday
Weather for the Week Ahead
6-10 Day Outlook

Highs: 63-68°F; Lows: 42-47°F; Precip: 0.60-0.80” (per week)
Ag Highlights

- 5.7 days suitable for fieldwork during the week ending October 6.

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

- Pasture conditions remain poor across the south.

NASS: Cheryl Turner –
Drought Monitor: Moderate Drought conditions continue across part of the state – likely to worsen in parts of central and northeast Ohio

Climate Recap: Cooler conditions finally after record-breaking heat

The week ahead: Seasonal with light rain possible this week
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