Hydrologic and Climate Assessment

October 5, 2017
U.S. Drought Monitor

October 3, 2017
(Released Thursday, Oct. 5, 2017)
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/
U.S. Drought Monitor
Ohio

October 3, 2017
(Released Thursday, Oct. 5, 2017)
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>45.23</td>
<td>54.77</td>
<td>14.22</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Last Week 09-26-2017</td>
<td>71.57</td>
<td>28.43</td>
<td>3.85</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>3 Months Ago 07-04-2017</td>
<td>97.78</td>
<td>2.22</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<tr>
<td>Start of Calendar Year 01-01-2017</td>
<td>88.16</td>
<td>11.84</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Start of Water Year 22-23-2016</td>
<td>71.57</td>
<td>20.43</td>
<td>3.85</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>One Year Ago 10-04-2016</td>
<td>81.81</td>
<td>18.19</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

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Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC

http://droughtmonitor.unl.edu/
Previous 30-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (°F)
9/5/2017 – 10/4/2017

Generated 10/5/2017 at HPRCC using provisional data.
Previous 7-Day Precipitation: Total
Previous 7-Day Precipitation: Percent of Normal

October 05, 2017 7-Day Percent Precipitation
Created on: October 05, 2017 - 15:56 UTC
Valid on: October 05, 2017 12:00 UTC
Previous 30-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%)
9/5/2017 – 10/4/2017

Generated 10/5/2017 at HPRCC using provisional data.

NOAA Regional Climate Centers
Standard Precipitation Index (SPI)

60-Day SPI
8/6/2017 - 10/4/2017

60-Day

Generated 10/5/2017 at HPRCC using provisional data.
Average streamflow compared to historical streamflow for the day of the year.
Weather for the Week Ahead
6-10 Day Outlook

Highs: Mid to Upper 60s

Lows: Mid to Upper 40s
October Outlook

ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID OCT 2017
MADE 30 SEP 2017

ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.0 MONTH LEAD
VALID OCT 2017
MADE 30 SEP 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

• 6.8 days suitable for fieldwork

• Really dry weather - measures to minimize shattering and splits; Reports of combine fires

• Many are reporting better than expected yields - focus on soybeans

• Pasture conditions continued to decline

NASS: Cheryl Turner –
Summary of Conditions

**Drought Monitor:** Expanding D1 Drought conditions across the NE; D0 south

**30-Day and 60-Day:** Many areas < 50% of precipitation

**The week ahead:** Wet Weather Thursday; Hurricane Nate next week?