U.S. Drought Monitor

Texas

April 30, 2019
(Released Thursday, May 2, 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>87.27</td>
<td>12.73</td>
<td>1.46</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Last Week</td>
<td>79.75</td>
<td>20.25</td>
<td>1.29</td>
<td>0.00</td>
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<td>0.00</td>
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<tr>
<td>04-23-2019</td>
<td></td>
<td></td>
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<tr>
<td>3 Months Ago</td>
<td>90.22</td>
<td>9.78</td>
<td>1.15</td>
<td>0.00</td>
<td>0.00</td>
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</tr>
<tr>
<td>07-29-2019</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Start of Year</td>
<td>92.99</td>
<td>7.01</td>
<td>1.32</td>
<td>0.00</td>
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<tr>
<td>01-01-2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Start of Water Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>09-25-2018</td>
<td>57.46</td>
<td>42.54</td>
<td>20.19</td>
<td>7.03</td>
<td>0.96</td>
<td>0.00</td>
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<tr>
<td>One Year Ago</td>
<td>33.60</td>
<td>66.40</td>
<td>49.36</td>
<td>25.50</td>
<td>13.94</td>
<td>4.31</td>
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<tr>
<td>05-01-2018</td>
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</tbody>
</table>

Intensity:
- Yellow: D0 Abnormally Dry
- Red: D3 Extreme Drought
- Orange: D2 Severe Drought
- Pink: D1 Moderate Drought
- Brown: D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Brad Rippey
U.S. Department of Agriculture

http://droughtmonitor.unl.edu/
Drought Severity Index by Division
Weekly Value for Period Ending Apr 27, 2019
Long Term Palmer

DROUGHT SEVERITY INDEX (PALMER)

Depicts prolonged (months, years) abnormal dryness or wetness; responds slowly; changes little from week to week; and reflects long-term moisture runoff, recharge, and deep percolation as well as evapotranspiration.

Uses... applicable in measuring disruptive effects of prolonged dryness or wetness on water sensitive economies, designing disaster areas of drought or wetness; and reflecting the general long-term status of water supplies in aquifers, reservoirs and streams.

Limitations... is not generally indicative of short-term (few weeks) status of drought or wetness such as frequently affects crops and field operations (this is indicated by the crop moisture index).

Based on preliminary data

-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
-1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)
Missing/Incomplete
Crop Moisture Index by Division
Weekly Value for Period Ending Apr 27, 2019
Short Term Need vs. Available Water in a Shallow Soil Profile

CROP MOISTURE

DEPICTS SHORT-TERM (UP TO 4 WEEKS)
ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE,
RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK
AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END
OF THE GROWING SEASON.

USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS
OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS
WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW
SOIL PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING
BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS)
DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

Based on preliminary data

-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)
Missing/incomplete
U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for April 18 - July 31, 2019
Released April 18

Author:
Anthony Artusa
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

http://go.usa.gov/3eZ73