



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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Cooperative Extension Service

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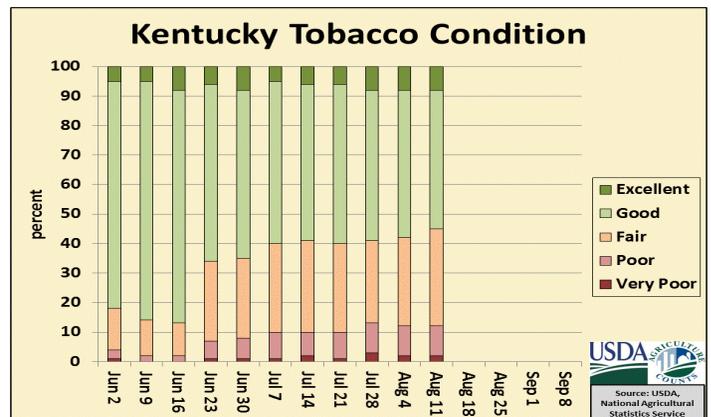
Issue: 22-19

Agricultural News: Kentucky experienced near normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.33 inches, 0.58 inches below normal. Temperatures averaged 76 degrees for the week, unchanged from normal. **Topsoil moisture** was rated 6 percent very short, 29 percent short, 62 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated 4 percent very short, 28 percent short, 65 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 6.3 out of a possible seven.

Primary activities for this week included cutting hay, topping tobacco, and spraying of field crops. A small portion of the tobacco crop has been cut according to reports. Parts of the state received some rain last week, however dry conditions persist. Drought coupled with hot weather has taken a toll on some of the pastureland and hay. Later planted corn and soybeans could be damaged if the dry conditions continue.

SOIL MOISTURE for week ending 08/11/19

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 6 | 29 | 62 | 3 |
| Subsoil | 4 | 28 | 65 | 3 |



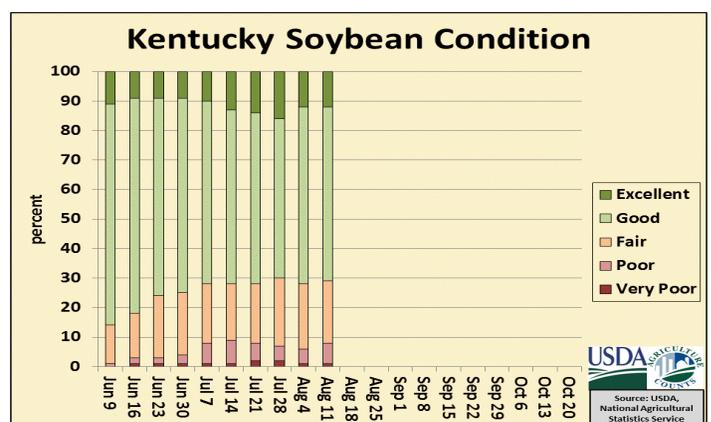
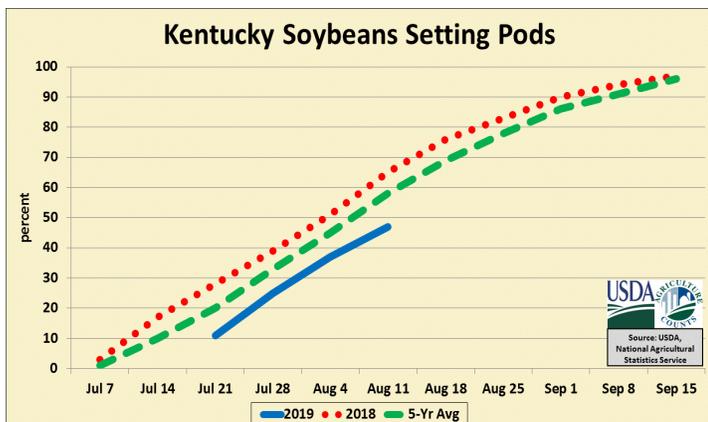
CROP PROGRESS for week ending 08/11/19

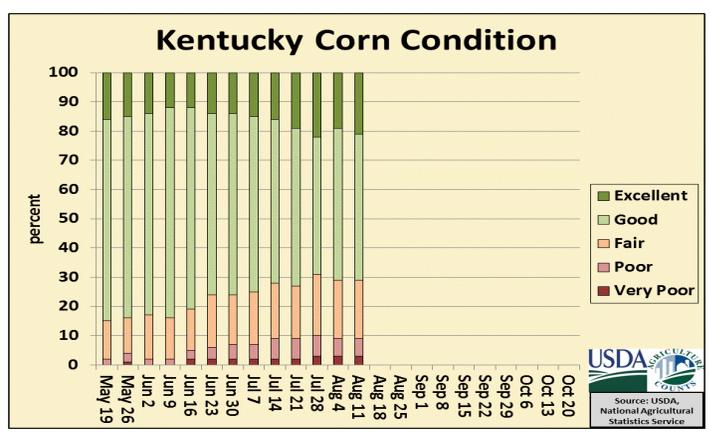
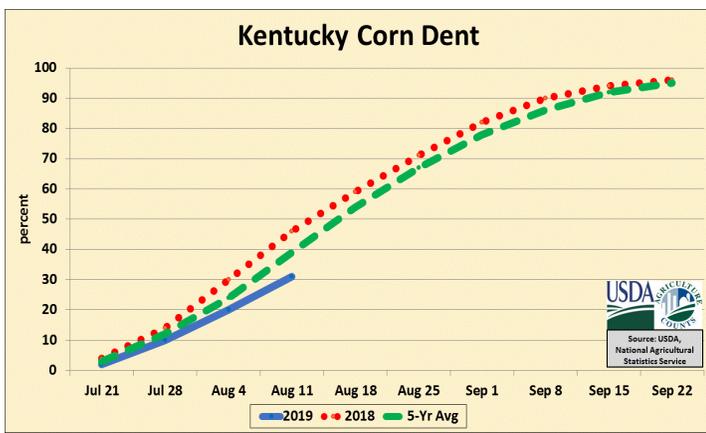
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|-----------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Silking | 92 | 86 | 96 | 95 |
| Corn Milked | 75 | 61 | 84 | 80 |
| Corn Dough | 56 | 43 | 68 | 62 |
| Corn Dent | 31 | 20 | 46 | 39 |
| Soybeans Blooming | 73 | 62 | 85 | 78 |
| Soybeans Setting Pods | 47 | 37 | 65 | 58 |
| Soybeans Coloring | 5 | 1 | 4 | 3 |
| Tobacco Blooming | 78 | 66 | 76 | 76 |
| Tobacco Topped | 56 | 40 | 54 | 53 |
| Tobacco Cut | 6 | -1 | -1 | -1 |

-1 Represents not available.

CROP CONDITIONS for week ending 08/11/19

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 3 | 6 | 20 | 50 | 21 |
| Pasture | 3 | 13 | 31 | 48 | 5 |
| Soybeans | 1 | 7 | 21 | 59 | 12 |
| Tobacco Set | 2 | 10 | 33 | 47 | 8 |





**Kentucky Climate Summary
For the Period August 5, 2019 to August 11, 2019**

Near Normal Temperatures and Below Normal Rainfall:

As summer heat continues, attention over recent weeks has turned toward increasingly dry conditions for some areas of the state. A couple frontal boundaries moved through the Lower Ohio Valley this past week, sparking isolated to scattered storms. Rainfall accumulations were limited to mainly two areas of the state: Western/West Central Kentucky and the Northern Bluegrass/Northeastern Kentucky. Between the two (North Central Kentucky extending into Southeastern Kentucky), very little, if any rainfall was seen. Overall, this pushed the state to a second straight week of below normal rainfall. In addition, the US Drought Monitor introduced a large area of ‘Abnormally Dry Conditions’ for North Central Kentucky, which has missed most of the rainfall over the past couple weeks.

Temperatures for the period averaged 76 degrees across the state which was near normal and no change to the previous period. High temperatures averaged from 87 in the West to 86 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to near normal in the East. Low temperatures averaged from 67 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 95 degrees at LOUISVILLE APT and the extreme low was 53 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 0.33 inches statewide which was 0.58 inches below normal and 36% of normal. Precipitation totals by climate division, West 0.48 inches, Central 0.25 inches, Bluegrass 0.32 inches and East 0.25 inches, which was 0.4, 0.64, 0.57 and 0.75 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BARBOURVILLE 3E to a high of 1.60 inches at MOREHEAD 4NE.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/11/19 4 p.m.**

| Weather Station | Rainfall | | | Deviation From | | Air Temperatures | | | | Growing Degree Days | | |
|-----------------|---------------|---------------|----------------|-------------------|-------------------|------------------|------------------|------------------|------------------|---------------------|------------------|------------------|
| | Last Week | Since Apr 1 | Last Four Wks. | Norm. Since Apr 1 | Norm. Last 4 Wks. | High | Low | Wkly. Avg. | Dev. From Norm. | Last Week | Since Apr 1 | Dev. Since Apr 1 |
| | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> |
| Bardstown | 0.00 | 19.94 | 1.64 | 1.54 | -2.50 | 91 | 62 | 76 | 1 | 185 | 2,668 | 172 |
| Berea | 0.00 | 21.33 | 3.57 | 2.47 | -0.27 | 91 | 55 | 74 | 0 | 170 | 2,520 | -28 |
| Bowling Green | 0.45 | 20.98 | 2.83 | 1.56 | -1.01 | 91 | 65 | 80 | 5 | 206 | 3,022 | 429 |
| Bristol | 0.03 | 19.04 | 2.17 | 2.86 | -1.32 | 91 | 60 | 76 | 2 | 179 | 2,686 | 321 |
| Buckhorn Lake | 0.12 | 20.24 | 2.36 | 2.09 | -1.59 | 87 | 58 | 74 | 0 | 170 | 2,568 | 308 |
| Cape Girardeau | 0.57 | 28.67 | 6.50 | 10.80 | 3.32 | 93 | 66 | 79 | 2 | 200 | 2,904 | 189 |
| Campbellsville | 0.00 | 19.09 | 4.11 | -1.99 | -0.46 | 87 | 59 | 74 | -1 | 171 | 2,544 | 19 |
| Covington | 1.30 | 23.32 | 3.69 | 6.02 | 0.18 | 91 | 62 | 76 | 2 | 185 | 2,609 | 286 |
| Cumberland Gap | 0.00 | 25.95 | 2.44 | 5.99 | -1.99 | 77 | 56 | 67 | -7 | 120 | 1,602 | -745 |
| Dix Dam | 0.00 | 21.26 | 5.12 | 2.29 | 1.02 | 90 | 59 | 75 | 1 | 178 | 2,636 | 151 |
| Evansville | 0.03 | 22.18 | 3.29 | 4.78 | -0.03 | 91 | 62 | 78 | 1 | 196 | 2,776 | 196 |
| Glasgow | 0.32 | 22.10 | 2.24 | 1.15 | -2.10 | 88 | 62 | 76 | 1 | 180 | 2,698 | 190 |
| Grayson | 0.33 | 21.37 | 5.32 | 3.45 | 1.32 | 91 | 59 | 76 | 2 | 182 | 2,652 | 444 |
| Hardinsburg | 0.15 | 26.42 | 1.56 | 7.34 | -2.40 | 89 | 62 | 76 | 1 | 178 | 2,666 | 61 |
| Henderson | 1.01 | 19.29 | 3.10 | 1.48 | -0.27 | 88 | 60 | 75 | -2 | 178 | 2,670 | 39 |
| Huntington | 0.75 | 17.82 | 3.11 | -0.07 | -0.99 | 90 | 55 | 73 | -1 | 160 | 2,507 | 125 |
| Jackson | 0.01 | 23.05 | 3.01 | 3.98 | -1.29 | 89 | 62 | 76 | 2 | 180 | 2,698 | 438 |
| Lexington | 0.00 | 19.83 | 2.45 | 1.43 | -1.69 | 92 | 60 | 78 | 4 | 196 | 2,812 | 402 |
| London | 0.00 | 24.21 | 1.89 | 6.48 | -1.89 | 88 | 61 | 76 | 2 | 180 | 2,695 | 311 |
| Louisville | 0.00 | 20.37 | 0.67 | 2.29 | -3.06 | 95 | 68 | 82 | 7 | 222 | 3,124 | 554 |
| Mayfield | 0.01 | 20.83 | 4.22 | 1.55 | 0.40 | 88 | 62 | 76 | -1 | 182 | 2,762 | 126 |
| Nashville | 0.60 | 20.52 | 5.68 | 2.50 | 2.28 | 94 | 67 | 82 | 7 | 222 | 3,242 | 474 |
| Nolin Lake | 0.05 | 23.62 | 2.19 | 3.31 | -1.91 | 92 | 62 | 76 | 1 | 185 | 2,844 | 454 |
| Paducah | 0.00 | 29.53 | 3.51 | 10.15 | 0.03 | 92 | 65 | 79 | 2 | 204 | 2,961 | 282 |
| Princeton | 0.86 | 20.13 | 3.99 | 0.81 | 0.21 | 88 | 63 | 76 | -1 | 181 | 2,706 | 33 |
| Quicksand | 0.45 | 21.58 | 4.15 | 2.51 | -0.15 | 88 | 58 | 75 | 1 | 176 | 2,608 | 348 |
| Somersets | 0.00 | 23.42 | 3.02 | 3.48 | -1.05 | 86 | 55 | 72 | -2 | 154 | 2,466 | 50 |
| Spindletop | 0.35 | 19.03 | 3.03 | 0.63 | -1.11 | 92 | 58 | 77 | 3 | 192 | 2,800 | 390 |
| Williamstown | 0.02 | 23.68 | 4.08 | 5.50 | 0.27 | 86 | 60 | 75 | 1 | 172 | 2,450 | 92 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.