



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: August 14, 2017

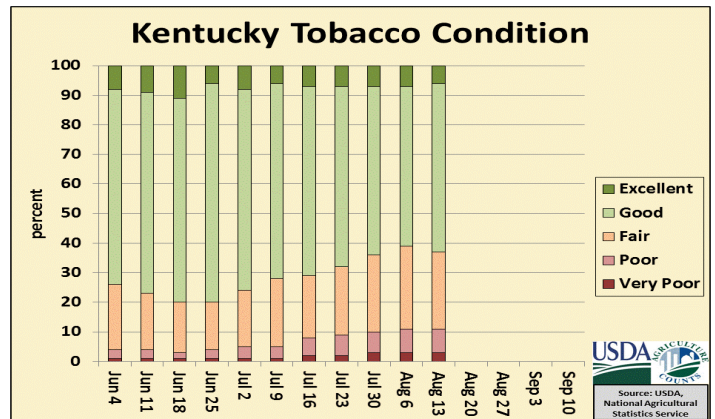
Issue: 24-17

Agricultural News: Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.50 inches, 0.60 inches above normal. Temperatures averaged 72 degrees for the week, 4 degrees below normal. **Topsoil moisture** was rated 3 percent very short, 22 percent short, 72 percent adequate and 3 percent surplus. **Subsoil moisture** was rated 4 percent very short, 24 percent short, 70 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 5.6 out of a possible seven.

Primary activities this week included cutting hay, topping and cutting tobacco, and monitoring fields for disease. Corn harvesting has begun in areas that received favorable weather. Some producers reported corn stress due to dry weather during pollination. Double crop soybeans are also struggling in some areas due to heat and dry weather. Even with the sometimes adverse conditions, corn was rated seventy nine percent good to excellent. Soybeans were rated as seventy four percent good to excellent. Tobacco was in mostly good to fair condition based on producer reports.

SOIL MOISTURE for week ending 08/13/17

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 3 | 22 | 72 | 3 |
| Subsoil | 4 | 24 | 70 | 2 |



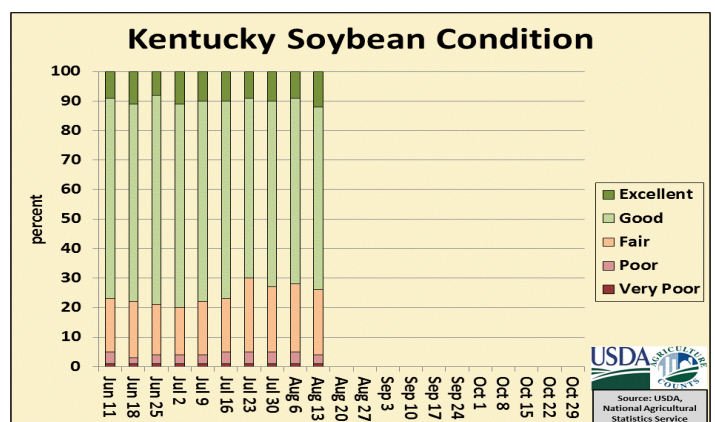
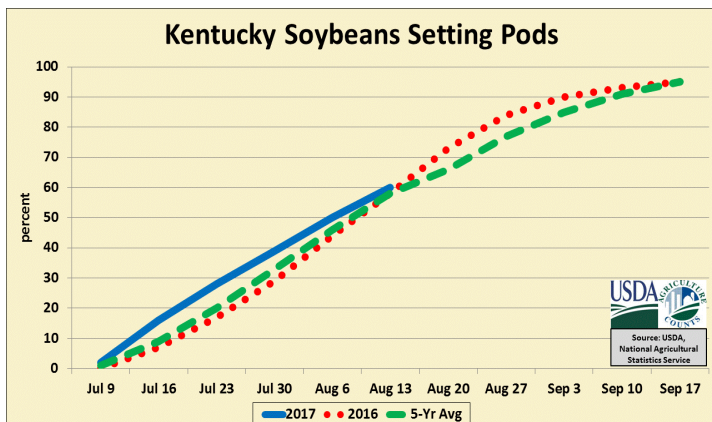
CROP PROGRESS for week ending 08/13/17

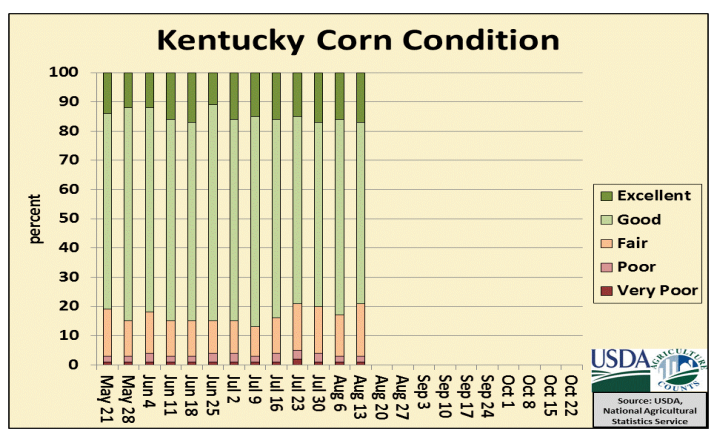
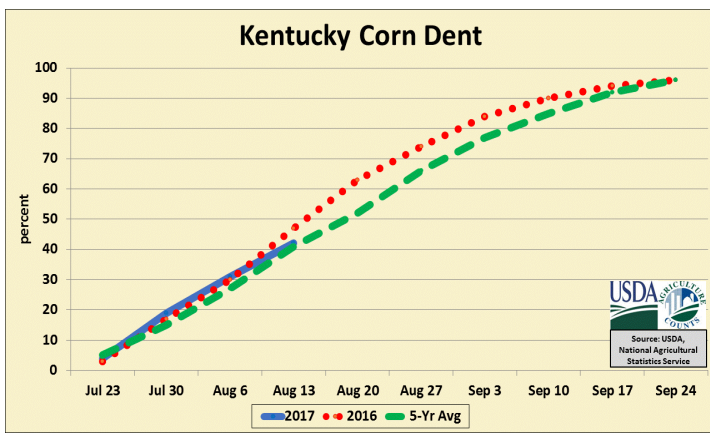
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|-----------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Silking | 95 | 93 | 96 | 97 |
| Corn Milked | 80 | 71 | 84 | 82 |
| Corn Dough | 64 | 52 | 68 | 63 |
| Corn Dent | 42 | 31 | 47 | 41 |
| Corn Mature | 8 | - | 4 | 9 |
| Soybeans Blooming | 79 | 71 | 79 | 79 |
| Soybeans Setting Pods | 60 | 50 | 58 | 58 |
| Soybeans Coloring | 5 | 1 | 3 | - |
| Tobacco Blooming | 80 | 69 | 74 | 77 |
| Tobacco Topped | 58 | 48 | 52 | 54 |
| Tobacco Cut | 8 | - | - | - |

CROP CONDITIONS for week ending 08/13/17

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 1 | 2 | 18 | 62 | 17 |
| Pasture | 1 | 5 | 22 | 64 | 8 |
| Soybeans | 1 | 3 | 22 | 62 | 12 |
| Tobacco Set | 3 | 8 | 26 | 57 | 6 |

- Represents not available.





**Kentucky Climate Summary
For the Period August 7, 2017 to August 13, 2017**

Below Normal Temperatures and Above Normal Rainfall:

Carrying over from the previous period, widespread showers continued to fall early Monday with a passing area of low pressure. Scattered coverage remained later in the day before diminishing going into Tuesday with high pressure building into the Bluegrass State. After a couple of dry days, isolated to scattered showers returned Thursday through Saturday, ending with the passage of a weak cold front. Central and Eastern Kentucky were the focus for any accumulations. Overall, Eastern Kentucky came out well ahead of other portions of Kentucky, averaging over 2.5 inches for the week. The active pattern led to a second straight week of unseasonably cool temperatures.

Temperatures for the period averaged 72 degrees across the state which was 4 degrees cooler than normal and no change to the previous period. High temperatures averaged from 83 in the West to 80 in the East. Departure from normal high temperatures ranged from 5 degrees cooler than normal in the West to 6 degrees cooler than normal in the East. Low temperatures averaged from 64 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 90 degrees at PADUCAH ASOS and the extreme low was 52 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.50 inches statewide which was 0.6 inches above normal and 167% of normal. Precipitation totals by climate division, West 0.80 inches, Central 1.77 inches, Bluegrass 0.76 inches and East 2.67 inches, which was -0.05, 0.90, -0.12 and 1.68 inches respectively from normal. By station, precipitation totals ranged from a low of 0.17 inches at CALHOUN 5NW to a high of 5.22 inches at ALBANY 1N.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/13/17 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 |
| | Inches | Inches | Inches | Inches | Inches | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F |
| Bardstown | 0.93 | 18.09 | 1.80 | -0.57 | -2.27 | 87 | 53 | 72 | -3 | 156 | 2,678 | 135 |
| Berea | 1.44 | 20.79 | 4.63 | 1.68 | 0.82 | 82 | 52 | 71 | -3 | 146 | 2,490 | -107 |
| Bowling Green | 2.39 | 24.02 | 3.09 | 4.38 | -0.68 | 89 | 62 | 76 | 1 | 186 | 3,007 | 365 |
| Bristol | 1.13 | 12.22 | 4.36 | -4.17 | 0.94 | 88 | 60 | 74 | 0 | 166 | 2,592 | 181 |
| Buckhorn Lake | 2.51 | 23.53 | 6.00 | 5.15 | 2.13 | 83 | 57 | 71 | -3 | 147 | 2,534 | 231 |
| Cape Girardeau | 0.20 | 22.62 | 1.63 | 4.53 | -1.55 | 88 | 58 | 73 | -4 | 158 | 2,928 | 163 |
| Campbellsville | 0.43 | 20.62 | 1.56 | -0.76 | -2.95 | 84 | 57 | 72 | -3 | 156 | 2,583 | 9 |
| Covington | 0.53 | 23.05 | 4.30 | 5.54 | 0.84 | 84 | 56 | 72 | -2 | 151 | 2,496 | 127 |
| Cumberland Gap | 2.71 | 23.01 | 4.64 | 2.77 | 0.27 | 83 | 57 | 73 | -1 | 161 | 2,591 | 198 |
| Dix Dam | 0.69 | 17.14 | 3.33 | -2.09 | -0.71 | 83 | 56 | 72 | -2 | 152 | 2,602 | 69 |
| Evansville | 0.62 | 25.45 | 6.23 | 7.85 | 2.97 | 87 | 61 | 73 | -4 | 162 | 2,908 | 279 |
| Glasgow | 2.70 | 21.98 | 3.81 | 0.77 | -0.45 | 85 | 61 | 74 | -1 | 167 | 2,764 | 207 |
| Grayson | 1.33 | 25.67 | 5.96 | 7.51 | 2.04 | 83 | 52 | 70 | -4 | 142 | 2,384 | 131 |
| Hardinsburg | 0.29 | 19.18 | 1.78 | -0.15 | -2.11 | 87 | 60 | 74 | -1 | 166 | 2,702 | 48 |
| Henderson | 0.38 | 15.08 | 3.21 | -2.94 | -0.10 | 87 | 59 | 72 | -5 | 158 | 2,848 | 167 |
| Huntington | 1.29 | 20.36 | 4.23 | 2.22 | 0.19 | 84 | 54 | 71 | -3 | 149 | 2,594 | 165 |
| Jackson | 2.03 | 24.34 | 4.58 | 5.01 | 0.36 | 83 | 60 | 72 | -2 | 155 | 2,662 | 359 |
| Lexington | 0.66 | 20.23 | 3.70 | 1.57 | -0.37 | 85 | 57 | 73 | -1 | 161 | 2,723 | 266 |
| London | 3.48 | 28.00 | 7.25 | 10.05 | 3.56 | 84 | 60 | 73 | -1 | 164 | 2,638 | 208 |
| Louisville | 0.46 | 16.24 | 2.19 | -2.06 | -1.48 | 89 | 63 | 76 | 1 | 182 | 3,106 | 486 |
| Mayfield | 1.00 | 22.18 | 3.05 | 2.65 | -0.73 | 87 | 63 | 74 | -3 | 170 | 2,849 | 165 |
| Nashville | 0.00 | 9.91 | 1.79 | -8.33 | -1.58 | 90 | 65 | 78 | 3 | 192 | 3,036 | 216 |
| Nolin Lake | 0.79 | 21.43 | 2.18 | 0.88 | -1.84 | 88 | 61 | 75 | 0 | 174 | 3,071 | 634 |
| Paducah | 0.35 | 22.79 | 1.45 | 3.20 | -1.98 | 90 | 60 | 75 | -2 | 174 | 3,062 | 332 |
| Princeton | 0.43 | 17.00 | 1.17 | -2.58 | -2.59 | 87 | 61 | 74 | -3 | 166 | 2,826 | 103 |
| Quicksand | 3.11 | 25.91 | 7.51 | 6.58 | 3.29 | 84 | 57 | 73 | -1 | 161 | 2,572 | 269 |
| Somerset | 2.55 | 24.90 | 4.80 | 4.71 | 0.79 | 83 | 57 | 73 | -1 | 159 | 2,518 | 55 |
| Spindletop | 0.23 | 26.19 | 4.01 | 7.53 | -0.06 | 86 | 57 | 73 | -1 | 162 | 2,680 | 223 |
| Williamstown | 0.36 | 26.53 | 4.75 | 8.11 | 0.99 | 83 | 57 | 70 | -4 | 142 | 2,420 | 15 |

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