



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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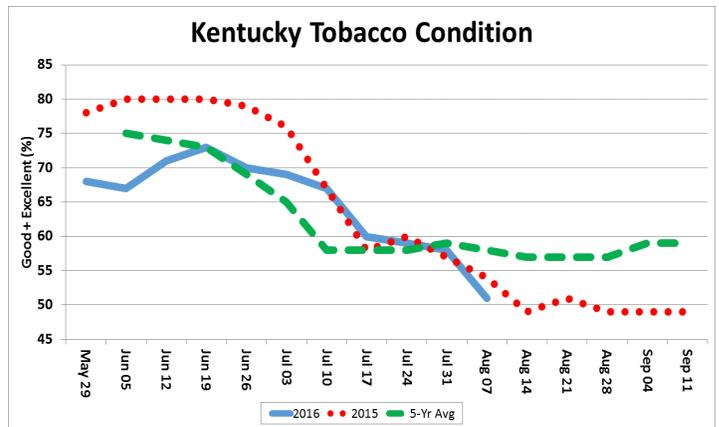
Agricultural News: Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.46 inches, 0.51 inches above normal. Temperatures averaged 79 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 0 percent very short, 6 percent short, 73 percent adequate and 21 percent surplus. **Subsoil moisture** was rated 1 percent very short, 5 percent short, 76 percent adequate, and 18 percent surplus. Days suitable for fieldwork averaged 4.2 out of a possible seven.

Primary activities this week included spraying fungicides and cutting hay in between rain showers. Reports of more serious black shank and target spot in tobacco have producers concerned for anticipated harvest weights as preparations are made to start cutting. Southern corn rust and gray leaf spot have also been confirmed, and grain farmers are spraying fungicides. Corn and single crop soybeans are faring better overall from the excessive wet weather this season. High heat and humidity throughout the week put stress on livestock; pink-eye symptoms were also reported.

SOIL MOISTURE for week ending 08/07/16

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | - | 6 | 73 | 21 |
| Subsoil | 1 | 5 | 76 | 18 |

- Represents zero.



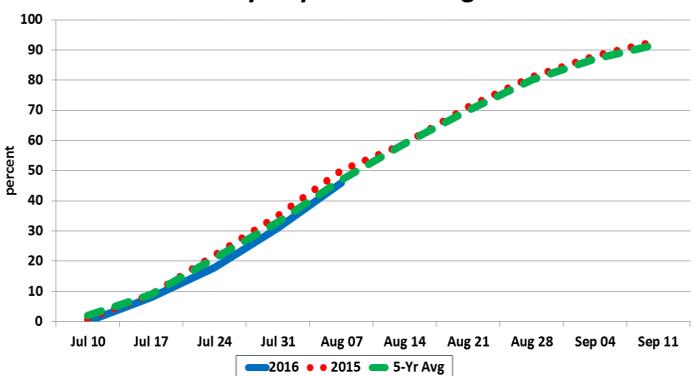
CROP PROGRESS for week ending 08/07/16

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|-----------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Silking | 93 | 90 | 95 | 91 |
| Corn Milked | 74 | 62 | 74 | 69 |
| Corn Dough | 54 | 43 | 52 | 47 |
| Corn Dent | 32 | 19 | 24 | 25 |
| Soybeans Blooming | 69 | 60 | 74 | 71 |
| Soybeans Setting Pods | 46 | 31 | 50 | 47 |
| Tobacco Blooming | 61 | 47 | 73 | 68 |
| Tobacco Topped | 37 | 24 | 50 | 41 |

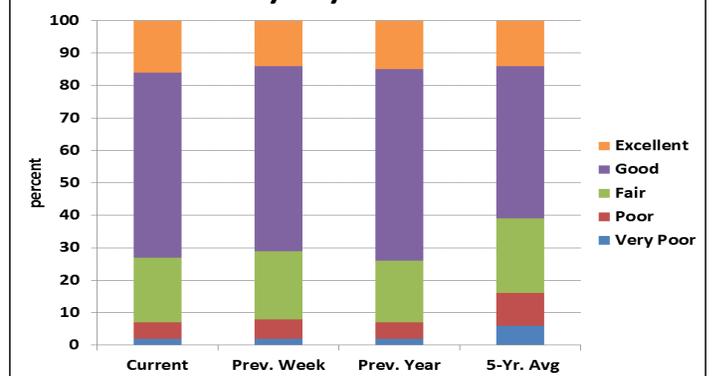
CROP CONDITIONS for week ending 08/07/16

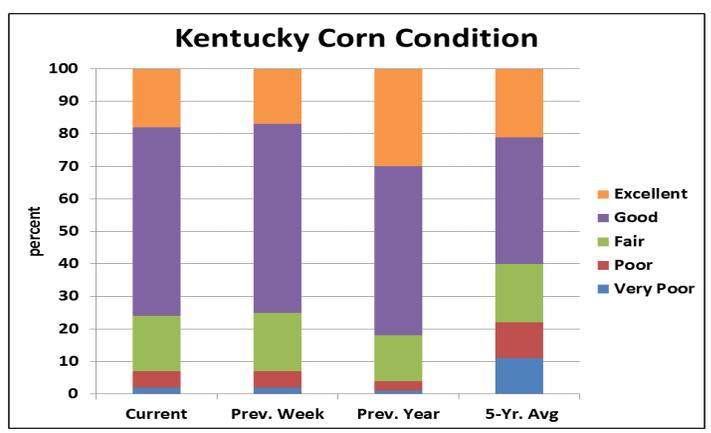
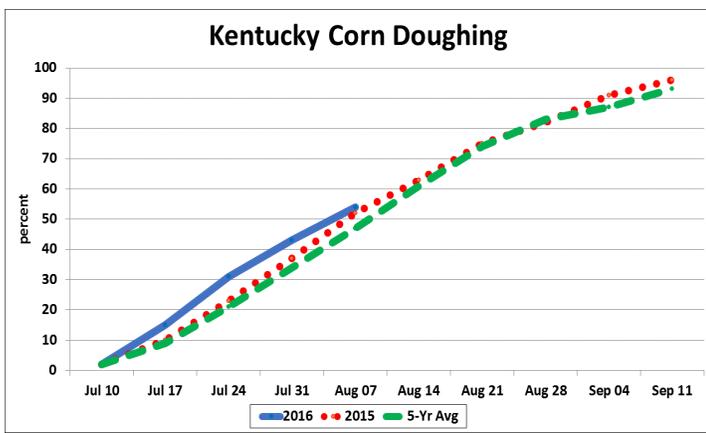
| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 2 | 5 | 17 | 58 | 18 |
| Pasture | 1 | 6 | 20 | 61 | 12 |
| Soybeans | 2 | 5 | 20 | 57 | 16 |
| Tobacco Set | 8 | 13 | 28 | 44 | 7 |

Kentucky Soybeans Setting Pods



Kentucky Soybean Condition





**Kentucky Climate Summary
For the Period August 1, 2016 to August 7, 2016**

Above Normal Temperatures and Rainfall:

Much like the month of July, an active pattern continued into the first week of August with several rounds of rainfall. The entire state averaged over an inch with Western Kentucky leading the way at 1.67. This resulted in a second straight week of above normal rainfall and followed the state's 3rd wettest July on record with data going back to 1895. The humid air mass stayed in place through Saturday, keeping torrential rainfall and occasional localized flooding in the picture. After the final round of rainfall on Saturday along a cold front, a welcome change came for the latter half of the weekend. Behind the boundary, dew points took a fall, bringing much drier and less muggy conditions to the Bluegrass State. Saying that, for the week overall, temperatures were yet again above normal. Ten of the past eleven weeks have now seen near to above normal temperatures.

Temperatures for the period averaged 79 degrees across the state which was 3 degrees warmer than normal and no change from the previous period. High temperatures averaged from 88 in the West to 86 in the East. Departure from normal high temperatures were near normal across the state. Low temperatures averaged from 71 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 5 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 98 degrees at LEBANON 8NW and the extreme low was 61 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.46 inches statewide which was 0.51 inches above normal and 154% of normal. Precipitation totals by climate division, West 1.67 inches, Central 1.39 inches, Bluegrass 1.56 inches and East 1.20 inches, which was 0.76, 0.47, 0.64 and 0.17 inches above normal. By station, precipitation totals ranged from a low of 0.00 inches at EVANSVILLE ASOS to a high of 6.06 inches at PADUCAH ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/07/16 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 | 2.08 | 23.36 | 5.89 | 5.46 | 1.62 | 90 | 66 | 78 | 3 | 194 | 2,525 | 125 |
| Berea | 1.34 | 24.27 | 4.79 | 5.93 | 0.89 | 88 | 66 | 77 | 2 | 190 | 2,330 | -121 |
| Bowling Green | 1.27 | 22.06 | 6.95 | 3.10 | 2.95 | 92 | 72 | 82 | 7 | 222 | 2,870 | 377 |
| Bristol | 0.02 | 12.42 | 0.70 | -3.36 | -2.94 | 92 | 67 | 79 | 4 | 202 | 2,514 | 242 |
| Buckhorn Lake | 1.73 | 21.21 | 3.88 | 3.54 | -0.22 | 86 | 67 | 77 | 2 | 186 | 2,394 | 221 |
| Cape Girardeau | 1.46 | 21.37 | 4.25 | 3.95 | 1.06 | 94 | 66 | 81 | 4 | 220 | 2,798 | 185 |
| Campbellsville | 0.68 | 22.88 | 2.91 | 2.39 | -1.76 | 89 | 66 | 78 | 3 | 193 | 2,412 | -16 |
| Covington | 0.43 | 16.03 | 3.73 | -0.84 | 0.10 | 91 | 65 | 79 | 4 | 202 | 2,394 | 163 |
| Cumberland Gap | 0.68 | 26.51 | 5.85 | 7.11 | 1.30 | 89 | 67 | 78 | 3 | 200 | 2,442 | 188 |
| Dix Dam | 0.00 | 20.80 | 1.27 | 2.33 | -2.97 | 91 | 62 | 76 | 1 | 186 | 2,404 | 16 |
| Evansville | 0.00 | 23.12 | 4.36 | 6.12 | 0.92 | 93 | 69 | 80 | 3 | 213 | 2,628 | 146 |
| Glasgow | 0.47 | 31.41 | 6.74 | 10.98 | 2.23 | 88 | 69 | 79 | 4 | 202 | 2,588 | 178 |
| Grayson | 1.39 | 25.31 | 6.69 | 7.87 | 2.55 | 89 | 63 | 77 | 2 | 188 | 2,291 | 173 |
| Hardinsburg | 1.17 | 27.87 | 12.42 | 9.28 | 8.34 | 91 | 69 | 79 | 4 | 201 | 2,523 | 17 |
| Henderson | 0.21 | 24.04 | 7.49 | 6.63 | 4.00 | 91 | 69 | 79 | 2 | 204 | 2,656 | 123 |
| Huntington | 0.66 | 22.23 | 3.41 | 4.85 | -0.82 | 92 | 61 | 78 | 3 | 196 | 2,482 | 193 |
| Jackson | 2.18 | 24.79 | 4.45 | 6.23 | -0.01 | 90 | 69 | 78 | 3 | 194 | 2,531 | 358 |
| Lexington | 3.55 | 22.88 | 6.58 | 4.98 | 2.31 | 90 | 65 | 79 | 4 | 200 | 2,544 | 230 |
| London | 1.83 | 21.74 | 5.58 | 4.43 | 1.61 | 89 | 68 | 79 | 4 | 200 | 2,533 | 242 |
| Louisville | 1.27 | 18.42 | 4.16 | 0.80 | 0.31 | 91 | 69 | 81 | 6 | 220 | 2,862 | 392 |
| Mayfield | 1.41 | 25.12 | 5.24 | 6.34 | 1.33 | 92 | 70 | 80 | 3 | 208 | 2,684 | 146 |
| Nashville | 0.88 | 14.86 | 2.45 | -2.71 | -1.02 | 96 | 70 | 82 | 7 | 226 | 3,052 | 389 |
| Nolin Lake | 1.63 | 26.88 | 5.19 | 7.05 | 0.92 | 93 | 68 | 81 | 6 | 216 | 2,860 | 562 |
| Paducah | 6.06 | 24.46 | 7.81 | 5.52 | 4.22 | 93 | 68 | 81 | 4 | 216 | 2,883 | 305 |
| Princeton | 1.38 | 26.90 | 5.14 | 8.09 | 1.33 | 93 | 69 | 79 | 2 | 206 | 2,630 | 58 |
| Quicksand | 2.18 | 25.78 | 3.69 | 7.22 | -0.77 | 91 | 69 | 79 | 4 | 202 | 2,409 | 236 |
| Somerset | 1.82 | 26.57 | 6.97 | 7.13 | 2.77 | 89 | 67 | 78 | 3 | 198 | 2,404 | 80 |
| Spindletop | 0.72 | 26.38 | 5.59 | 8.48 | 1.32 | 92 | 65 | 79 | 4 | 206 | 2,561 | 247 |
| Williamstown | 1.13 | 21.20 | 3.53 | 3.50 | -0.38 | 88 | 63 | 77 | 2 | 188 | 2,278 | 12 |

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