United States Department of Agriculture
National Agricultural Statistics Service

# Crop Progress and Condition

**USDA, NASS, Kentucky Field Office**
David Knopf, Director
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277
**Email:** nassrfoemr@nass.usda.gov

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

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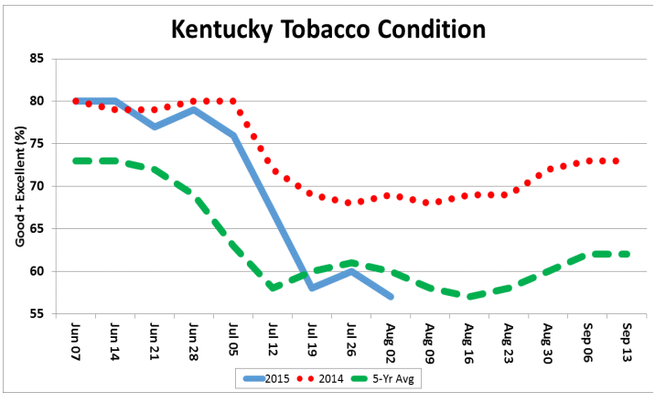
**Agricultural News:** Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.77 inches, 0.20 inches below normal. Temperatures averaged 78 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 0 percent very short, 5 percent short, 71 percent adequate and 24 percent surplus. **Subsoil moisture** was rated 0 percent very short, 3 percent short, 78 percent adequate, and 19 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible seven.

Primary activities this week included cutting hay, topping tobacco and spraying herbicides on late soybeans. Rivers have receded with crop losses varied in low lying areas. Some bottom land acreage experienced total losses due to standing water. Some farmers still plan on replanting double crop soybeans if weather remains dry. There were reports of disease pressure due to wet weather and humid temperatures. Excessive moisture has reportedly impacted some of the tobacco crop. The affected acreage may recover if weather improves, but there is concern that yields and quality could be impacted. Hay supplies should be adequate this year for most farmers, but quality could be lacking due to the impact rains had on the timing of cutting hay as well as getting wet before it could be baled. Some producers were unable to finish first cutting until late July, therefore will not get a second cutting this year. Hay and roughage supplies were reported as 2 percent very short, 16 percent short, 73 percent adequate, and 9 percent surplus.

**SOIL MOISTURE for week ending 08/02/15**

| | Very Short | Short | Adequate | Surplus |
|---|---|---|---|---|
| | % | % | % | % |
| Topsoil | - | 5 | 71 | 24 |
| Subsoil | - | 3 | 78 | 19 |

- Represents zero.



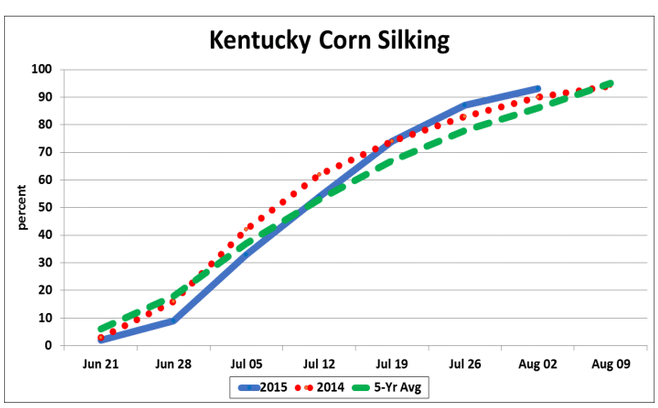

**CROP PROGRESS for week ending 08/02/15**

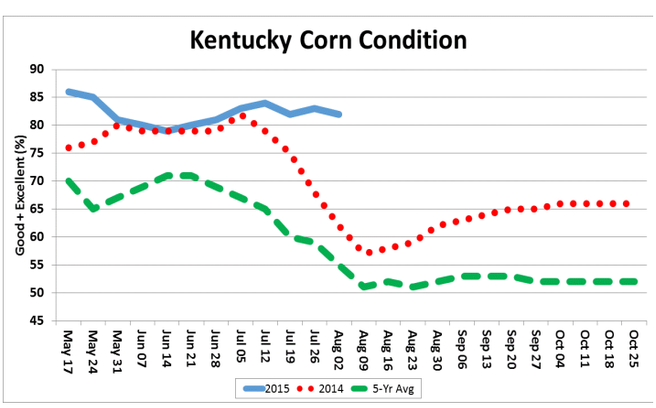
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|---|---|---|---|---|
| | % | % | % | % |
| Corn Silking | 93 | 87 | 90 | 86 |
| Corn Milked | 66 | 52 | 63 | 61 |
| Corn Dough | 41 | 27 | 40 | 38 |
| Corn Dent | 13 | 3 | 17 | 18 |
| Soybeans Blooming | 66 | 55 | 63 | 67 |
| Soybeans Setting Pods | 39 | 26 | 41 | 39 |
| Soybeans Coloring | 1 | - | 1 | - |
| Tobacco Blooming | 64 | 50 | 65 | 58 |
| Tobacco Topped | 40 | 26 | 37 | 31 |

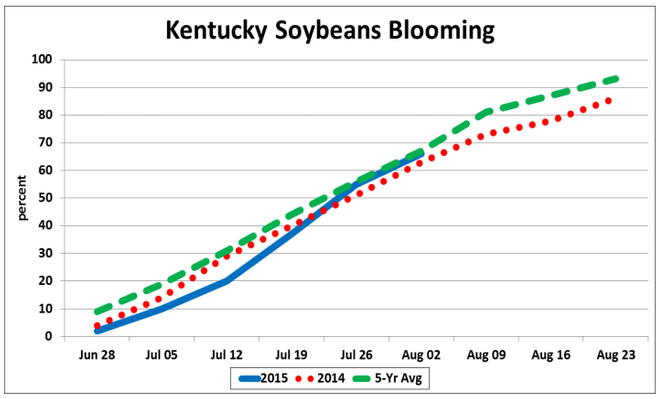
- Represents zero or not available.

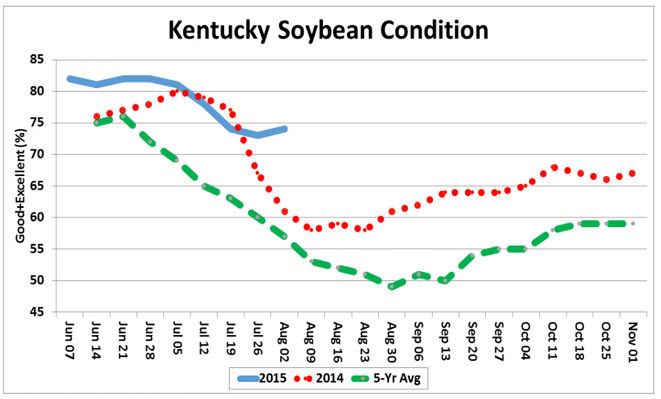
**CROP CONDITIONS for week ending 08/02/15**

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|---|---|---|---|---|---|
| | % | % | % | % | % |
| Corn | 2 | 3 | 13 | 53 | 29 |
| Livestock | 1 | 2 | 10 | 69 | 18 |
| Pasture | 1 | 4 | 18 | 61 | 16 |
| Soybeans | 2 | 5 | 19 | 58 | 16 |
| Tobacco Set | 5 | 12 | 26 | 49 | 8 |






**Kentucky Climate Summary**
**For the Period July 27, 2015 to August 2, 2015**

Above Normal Temperatures and Below Normal Rainfall:

In typical Ohio Valley fashion, Kentucky saw an abrupt change to the weather pattern halfway through this past period. The first half of the work week brought hot and humid conditions, in addition to multiple opportunities for rainfall. Disturbances passed through the state along the periphery of an upper level ridge of high pressure. Storms were capable of torrential rainfall at times as Kentucky was situated within a very moist air mass. The Bluegrass Region and Western Kentucky saw the brunt of the rainfall and actually saw above normal rainfall for the week. Eastern Kentucky missed out on much of the activity and was about three quarters of inch below normal. During this time, highs were peaking in the upper 80s to mid-90s with very muggy conditions in place. Luckily, a cold front passing through the area on Wednesday brought a much different air mass to the region for the second half of the week. Dew points dropped to much more comfortable levels, along with temperatures returning to near seasonable norms for the start of August. In addition, surface high pressure kept the area dry.

Temperatures for the period averaged 78 degrees across the state which was 2 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 87 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to near normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at POPLAR BLUFF ASOS and the extreme low was 55 degrees at MONTICELLO AWOS.

Precipitation (liq. equ.) for the period totaled 0.77 inches statewide which was 0.2 inches below normal and 79% of normal. Precipitation totals by climate division, West 1.03 inches, Central 0.60 inches, Bluegrass 1.19 inches and East 0.27 inches, which was 0.10, -0.36, 0.23 and -0.76 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at HARTFORD 3E to a high of 3.30 inches at CADIZ 4SW.

**KENTUCKY TEMPERATURES AND RAIN FALL**
**FOR WEEK ENDING SUNDAY, 08/02/15 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 | 0.57 | 27.31 | 6.93 | 10.05 | 2.48 | 93 | 61 | 78 | 2 | 199 | 2,470 | 189 |
| Berea | 0.00 | 27.77 | 5.79 | 10.07 | 1.83 | 90 | 61 | 76 | 1 | 178 | 2,270 | -60 |
| Bowling Green | 0.38 | 21.32 | 3.69 | 2.92 | -0.51 | 94 | 60 | 80 | 4 | 210 | 2,772 | 402 |
| Bristol | 0.00 | 14.77 | 3.86 | -0.49 | 0.03 | 93 | 58 | 77 | 2 | 192 | 2,462 | 306 |
| Buckhorn Lake | 0.01 | 20.72 | 3.53 | 3.63 | -0.76 | 87 | 57 | 75 | 0 | 172 | 2,315 | 251 |
| Cape Girardeau | 0.42 | 24.35 | 7.76 | 7.49 | 4.57 | 96 | 66 | 83 | 5 | 229 | 2,722 | 235 |
| Campbellsville | 0.73 | 26.11 | 6.42 | 6.36 | 1.62 | 92 | 59 | 77 | 1 | 187 | 2,354 | 47 |
| Covington | 0.99 | 19.28 | 3.34 | 2.95 | -0.43 | 92 | 60 | 77 | 2 | 190 | 2,280 | 165 |
| Cumberland Gap | 0.04 | 22.64 | 4.67 | 3.94 | -0.03 | 90 | 58 | 76 | 1 | 186 | 2,384 | 245 |
| Dix Dam | 0.90 | 31.96 | 7.76 | 14.12 | 3.35 | 91 | 61 | 77 | 2 | 188 | 2,336 | 68 |
| Evansville | 0.47 | 22.12 | 3.66 | 5.62 | 0.07 | 95 | 66 | 81 | 3 | 216 | 2,588 | 228 |
| Glasgow | 0.91 | 25.01 | 2.86 | 5.23 | -1.85 | 91 | 60 | 78 | 2 | 192 | 2,518 | 229 |
| Grayson | 1.20 | 28.82 | 8.02 | 11.99 | 3.70 | 89 | 59 | 76 | 1 | 180 | 2,188 | 183 |
| Hardinsburg | 0.00 | 21.79 | 4.31 | 3.81 | 0.07 | 91 | 59 | 77 | 1 | 190 | 2,448 | 65 |
| Henderson | 1.24 | 25.47 | 7.03 | 8.58 | 3.40 | 92 | 61 | 78 | 0 | 200 | 2,560 | 150 |
| Huntington | 0.01 | 21.81 | 6.53 | 5.07 | 2.14 | 91 | 59 | 76 | 1 | 185 | 2,262 | 89 |
| Jackson | 0.05 | 28.13 | 7.38 | 10.22 | 2.72 | 89 | 60 | 77 | 2 | 186 | 2,430 | 366 |
| Lexington | 0.96 | 28.74 | 7.88 | 11.48 | 3.43 | 90 | 60 | 77 | 2 | 191 | 2,378 | 182 |
| London | 0.27 | 23.25 | 5.30 | 6.48 | 1.09 | 90 | 60 | 78 | 3 | 193 | 2,548 | 372 |
| Louisville | 0.14 | 29.02 | 6.04 | 11.97 | 2.03 | 95 | 66 | 82 | 6 | 224 | 2,764 | 420 |
| Mayfield | 0.30 | 26.77 | 7.70 | 8.60 | 3.69 | 94 | 65 | 80 | 2 | 208 | 2,632 | 216 |
| Nashville | 1.86 | 19.82 | 3.77 | 2.81 | 0.22 | 96 | 63 | 81 | 5 | 220 | 2,837 | 305 |
| Nolin Lake | 1.20 | 29.50 | 7.04 | 10.28 | 2.56 | 94 | 62 | 79 | 3 | 204 | 2,768 | 586 |
| Paducah | 0.13 | 22.30 | 7.61 | 3.89 | 3.88 | 96 | 65 | 81 | 3 | 218 | 2,800 | 348 |
| Princeton | 1.60 | 22.58 | 6.62 | 4.42 | 2.76 | 93 | 61 | 79 | 1 | 200 | 2,576 | 130 |
| Quicksand | 0.01 | 23.02 | 5.83 | 5.11 | 1.17 | 90 | 60 | 77 | 2 | 191 | 2,342 | 278 |
| Somerset | 1.81 | 25.61 | 6.13 | 6.81 | 1.78 | 90 | 58 | 75 | 0 | 178 | 2,300 | 92 |
| Spindletop | 0.73 | 34.63 | 8.76 | 17.37 | 4.31 | 94 | 61 | 78 | 3 | 194 | 2,454 | 258 |
| Williamstown | 0.58 | 26.52 | 7.43 | 9.42 | 3.39 | 90 | 60 | 76 | 1 | 186 | 2,219 | 69 |

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