



# Crop Progress and Condition

**USDA, NASS, Kentucky Field Office**

David Knopf, Director  
601 W Broadway, Rm 645  
Louisville, Kentucky 40201-1120  
(502) 907-3250 or 1-800-928-5277  
Email: nassfoemr@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

Released: July 15, 2024

Issue: 20-24

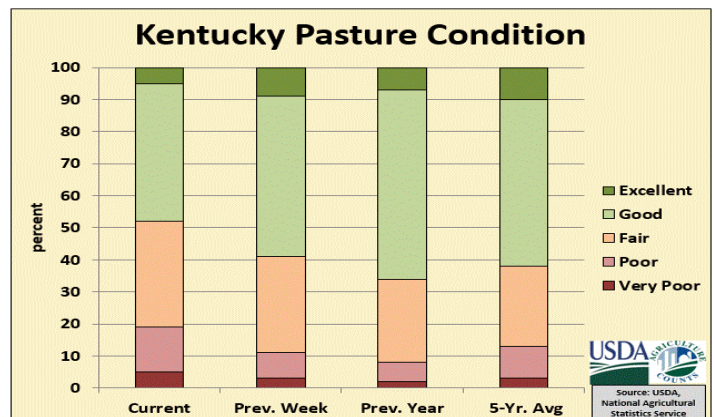
**Agricultural News:** Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.73 inches, 0.36 inches below normal. Temperatures averaged 78 degrees for the week, 1 degree above normal. **Topsoil moisture** was rated 12 percent very short, 22 percent short, 63 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated 10 percent very short, 26 percent short, 62 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible seven.

Primary activities this week included monitoring field crops, topping tobacco, and cutting hay. This week was drier and hotter than normal, affecting livestock, pasture, and all crops. Many crops are severely stunted as rainfall would greatly improve conditions. Most of Eastern Kentucky is experiencing abnormally dry conditions having received very little precipitation from Hurricane Beryl. Despite the lack of rain, corn is progressing ahead of the 5-year average. Sixty-five percent of the crop is silking and 29 percent is in the milk stage. With 41 percent of the crop blooming and 19 percent setting pods, soybeans are also ahead of the 5-year average. Only about 65 percent of the corn and soybeans crop is rated as good or excellent condition. Twenty-five percent of the tobacco crop is blooming and is in mostly good condition. Topping has begun, but is still in the early stage. The wheat harvest has been completed.

Pasture and range conditions continue to suffer with only 48 percent rated as good or excellent. Continued hot and dry conditions could lead to issues for grazing soon. Many pastures are seeing little to no regrowth.

**SOIL MOISTURE for week ending 07/14/24**

|         | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
|         | %          | %     | %        | %       |
| Topsoil | 12         | 22    | 63       | 3       |
| Subsoil | 10         | 26    | 62       | 2       |



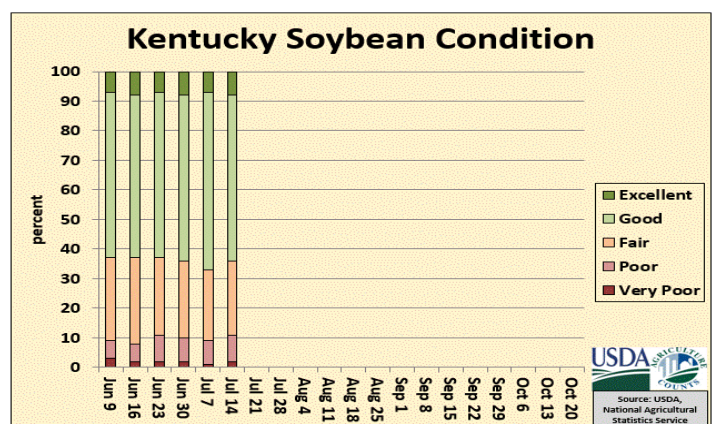
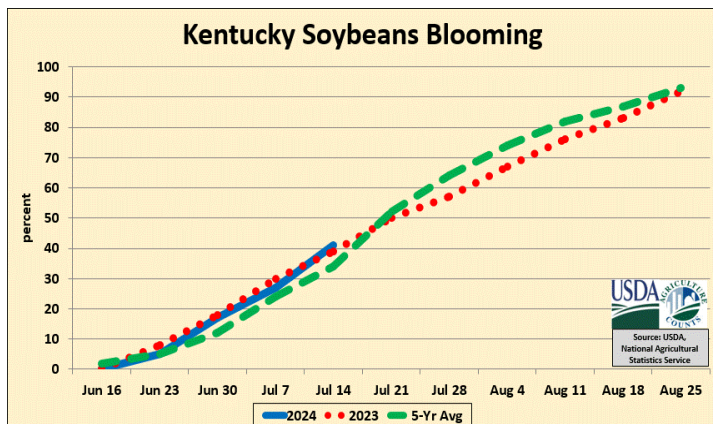
**CROP PROGRESS for week ending 07/14/24**

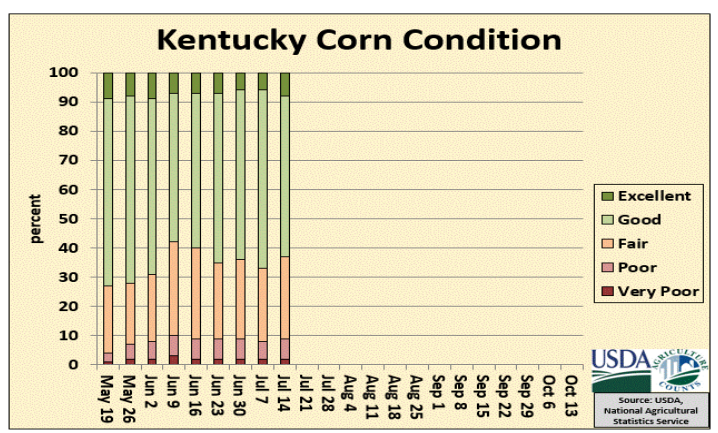
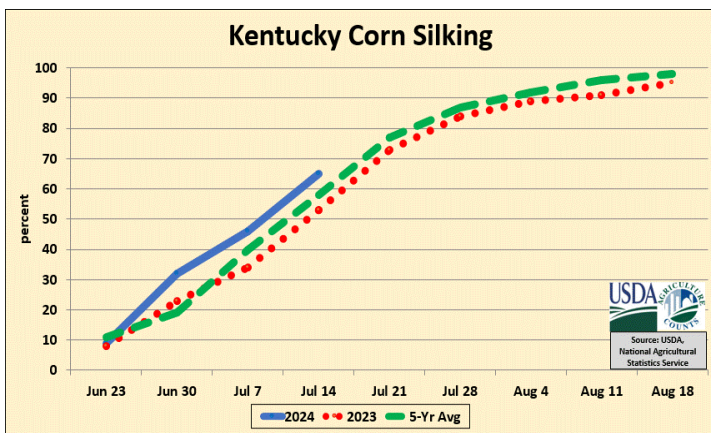
| Crop Stage             | This Week | Last Week | Last Year | 5-Yr Avg |
|------------------------|-----------|-----------|-----------|----------|
|                        | %         | %         | %         | %        |
| Corn Silking           | 65        | 46        | 53        | 58       |
| Corn Milked            | 29        | 12        | 23        | 23       |
| Corn Dough             | 9         | -1        | 8         | 7        |
| Soybeans Emerged       | 95        | 90        | 98        | 96       |
| Soybeans Blooming      | 41        | 27        | 39        | 34       |
| Soybeans Setting Pods  | 19        | 6         | 16        | 12       |
| Tobacco Blooming       | 25        | 13        | 16        | 20       |
| Tobacco Topped         | 6         | -1        | -1        | -1       |
| Winter Wheat Harvested | 100       | 97        | 96        | -1       |

**CROP CONDITIONS for week ending 07/14/24**

| Crop        | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
|             | %         | %    | %    | %    | %         |
| Corn        | 2         | 7    | 28   | 55   | 8         |
| Pasture     | 5         | 14   | 33   | 43   | 5         |
| Soybeans    | 2         | 9    | 25   | 56   | 8         |
| Tobacco Set | 1         | 3    | 18   | 70   | 8         |

-1 Represents not available.





**Kentucky Climate Summary  
For the Period July 8, 2024 to July 14, 2024**

Above Normal Temperatures and Below Normal Rainfall:

Kentucky saw the remnants of Hurricane Beryl push through Western Kentucky on Tuesday. Many in this area experienced significant rainfall, in the range of 1-2+ inches. Outside of this area and locations along the Ohio River up into Boone, Kenton, and Campbell Counties, everyone else missed out. While western Kentucky averaged 1.67 inches for the week, that number was reduced to 0.45 inches for the Bluegrass and 0.17 inches for Eastern Kentucky. Ultimately, this has been the case for much of the past month with other storm systems. Looking at data over the past 30 days, while Western Kentucky has averaged 4.75 inches of rainfall, the Bluegrass and Eastern Kentucky have averaged 2.02 and 2.69 inches, respectively, which is over 2 inches below normal for that time span. As a result, soil moisture is depleting significantly under stressful heat, and stream flows are running well below normal for this time of year.

Temperatures for the period averaged 78 degrees across the state which was 1 degree warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 89 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 68 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 1 degree cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 98 degrees at KOOMER RIDGE and the extreme low was 59 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 0.73 inches statewide which was 0.36 inches below normal and 67% of normal. Precipitation totals by climate division, West 1.67 inches, Central 0.64 inches, Bluegrass 0.45 inches and East 0.17 inches, which was 0.66, -0.42, -0.62 and -1.04 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at CYNTHIANA 8N to a high of 4.82 inches at POPLAR BLUFF ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/14/24 7 P.M.^**

| County            | 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        |
| <b>Western KY</b> |                   |           |             |                |                    |                    |                  |           |            |                  |                     |             |                  |
| Caldwell          | Princeton(M)      | 1.20      | 18.34       | 4.59           | 1.86               | 0.47               | 91               | 65        | 77         | -1               | 193                 | 2094        | 129              |
| Christian         | Hopkinsville(M)   | 1.47      | 20.87       | 5.19           | 4.12               | 0.86               | 91               | 65        | 78         | 0                | 196                 | 2105        | 150              |
| Daviess           | Owensboro(AP)     | 0.75      | 16.72       | 2.54           | 0.91               | -1.25              | 92               | 68        | 79         | 1                | 205                 | 2219        | 319              |
| Fulton            | Hickman(M)        | 1.94      | 22.79       | 4.61           | 6.21               | 0.49               | 91               | 66        | 79         | 0                | 203                 | 2232        | 181              |
| Marshall          | Benton(M)         | 3.55      | 21.25       | 6.68           | 2.44               | 2.15               | 91               | 66        | 78         | 0                | 195                 | 2142        | 121              |
| McCracken         | Paducah(AP)       | 1.99      | 19.90       | 4.73           | 3.32               | 0.61               | 93               | 67        | 80         | 0                | 207                 | 2343        | 292              |
| McLean            | Calhoun(M)        | 0.81      | 22.76       | 4.34           | 5.11               | -0.44              | 92               | 66        | 77         | -2               | 195                 | 2042        | -70              |
| Todd              | Elkton(M)         | 1.31      | 24.08       | 4.13           | 7.33               | -0.20              | 91               | 64        | 77         | -1               | 192                 | 2037        | 82               |
| Union             | Morganfield(M)    | 1.02      | 20.08       | 3.57           | 4.27               | -0.22              | 92               | 67        | 78         | 0                | 196                 | 2141        | 241              |
| <b>Central KY</b> |                   |           |             |                |                    |                    |                  |           |            |                  |                     |             |                  |
| Barren            | Glasgow(M)        | 0.33      | 22.38       | 6.32           | 5.01               | 1.94               | 91               | 65        | 77         | 0                | 191                 | 2016        | 189              |
| Breckinridge      | Hardinsburg(M)    | 2.01      | 18.85       | 5.21           | 0.75               | 1.00               | 90               | 66        | 77         | 0                | 191                 | 1986        | 194              |
| Clinton           | Albany(M)         | 0.05      | 18.47       | 0.99           | 0.56               | -3.76              | 94               | 60        | 77         | 2                | 194                 | 1951        | 358              |
| Hardin            | Elizabethtown(M)  | 1.07      | 14.96       | 2.44           | -3.14              | -1.77              | 91               | 64        | 77         | 0                | 194                 | 2000        | 208              |
| Hart              | Munfordville(M)   | 0.69      | 17.04       | 3.21           | -0.19              | -1.33              | 91               | 63        | 77         | -2               | 190                 | 1981        | -128             |
| Jefferson         | Louisville(AP)    | 0.88      | 16.56       | 5.00           | 0.52               | 1.23               | 94               | 68        | 82         | 2                | 225                 | 2375        | 328              |
| Taylor            | Campbellsville(M) | 0.03      | 17.86       | 1.48           | 0.67               | -2.89              | 93               | 62        | 77         | 0                | 191                 | 1958        | 176              |
| Warren            | Bowling_Green(AP) | 0.75      | 17.22       | 3.50           | 0.75               | -0.76              | 95               | 68        | 81         | 1                | 219                 | 2326        | 304              |
| <b>Bluegrass</b>  |                   |           |             |                |                    |                    |                  |           |            |                  |                     |             |                  |
| Boone             | Cinci./NKY(AP)    | 1.85      | 13.43       | 3.16           | -2.26              | -0.76              | 93               | 63        | 78         | 2                | 197                 | 1977        | 368              |
| Boyle             | Danville(M)       | 0.16      | 14.14       | 0.82           | -3.21              | -4.25              | 94               | 62        | 77         | 2                | 194                 | 1951        | 230              |
| Fayette           | Lexington(AP)     | 0.02      | 13.56       | 1.39           | -3.51              | -3.10              | 97               | 64        | 81         | 4                | 214                 | 2142        | 407              |
| Franklin          | Frankfort(M)      | 0.06      | 12.53       | 1.31           | -3.57              | -2.90              | 94               | 62        | 78         | 1                | 199                 | 1943        | 170              |
| Madison           | Richmond(M)       | 0.28      | 11.54       | 1.18           | -5.81              | -3.89              | 96               | 60        | 78         | 3                | 196                 | 1890        | 169              |
| Mason             | Maysville(M)      | 0.06      | 13.04       | 1.28           | -3.11              | -2.64              | 94               | 63        | 78         | 2                | 199                 | 1854        | 299              |
| <b>Eastern KY</b> |                   |           |             |                |                    |                    |                  |           |            |                  |                     |             |                  |
| Breathitt         | Jackson(AP)       | 0.02      | 13.12       | 3.45           | -4.14              | -1.33              | 93               | 64        | 79         | 3                | 204                 | 2075        | 305              |
| Harlan            | Harlan(M)         | 0.07      | 12.29       | 1.25           | -4.58              | -3.81              | 83               | 58        | 71         | -4               | 148                 | 1221        | -447             |
| Lawrence          | Louisa(M)         | 0.00      | 12.27       | 1.84           | -3.18              | -2.91              | 96               | 60        | 78         | 3                | 201                 | 1967        | 379              |
| Pike              | Pikeville(M)      | 0.02      | 12.44       | 2.01           | -3.01              | -2.74              | 88               | 62        | 75         | 0                | 180                 | 1664        | 76               |
| Pulaski           | Somerset(M)       | 0.28      | 18.05       | 3.84           | 0.70               | -1.23              | 91               | 60        | 76         | 1                | 184                 | 1853        | 132              |
| Rowan             | Morehead(M)       | 0.49      | 18.31       | 4.21           | 0.93               | -0.85              | 90               | 61        | 76         | 1                | 183                 | 1768        | 214              |

Climate narrative and data table provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agricultural Weather Center: (859) 218-4363.

^ : Data Courtesy: (M) - Kentucky Mesonet Station: <http://www.kymesonet.org/>

(AP) - Airport, Federal Aviation Administration Surface Weather Observation Station (ASOS/AWOS)

\* : Deviations based on closest available station with climate normals: [http://weather.uky.edu/climate\\_normals.php](http://weather.uky.edu/climate_normals.php)