



# 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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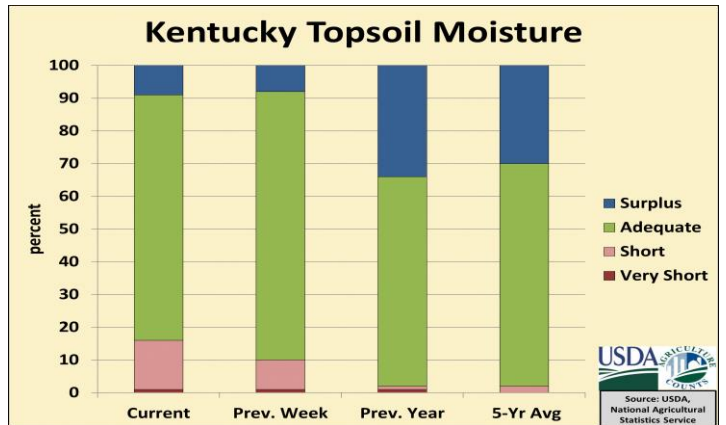
**Agricultural News:** Kentucky experienced near normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.88 inches, 0.3 inches below normal. Temperatures averaged 58 degrees for the week, near normal. **Topsoil moisture** was rated 1 percent very short, 15 percent short, 75 percent adequate, and 9 percent surplus. **Subsoil moisture** was rated 1 percent very short, 11 percent short, 80 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible seven.

Primary activities for this week included seeding tobacco transplants along with planting corn and soybeans. With mild temperatures and dry conditions through most of the week, farmers made strong progress in the fields. Both soybean and corn planting is well ahead of last year at this point in the season. The weekend brought some rain and cold temperatures that halted fieldwork for many. The cold front was accompanied by some patchy frost. Tobacco transplant seeding is ahead of last year at 87 percent complete. Seeded transplants remain in mostly good condition. The average height of transplants is rated as 41 percent less than 2 inches, 42 percent 2-4 inches, and 17 percent larger than 4 inches. Winter wheat condition continues to be mostly good with 18 percent of the crop headed. The average height of winter wheat is 19 inches.

Pasture condition is mostly good, but has regressed slightly with the weekend cold snap factoring in. Alfalfa average height is 9 inches at this time. Freeze damage to apples is rated as 2 percent severe, 10 percent moderate, 32 percent light, and 56 percent with none. Peaches have not fared as well and have been damaged by the recent spring frosts. Damage to peaches is rated as 34 percent severe, 20 percent moderate, 18 percent light, and 28 percent with none. It is of note, that freezing temperatures just before Christmas has played a part in current conditions of the peach crop with only 6% of buds remaining viable in the aftermath for some.

**SOIL MOISTURE for week ending 04/23/23**

|         | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
|         | %          | %     | %        | %       |
| Topsoil | 1          | 15    | 75       | 9       |
| Subsoil | 1          | 11    | 80       | 8       |



**CROP PROGRESS for week ending 04/23/23**

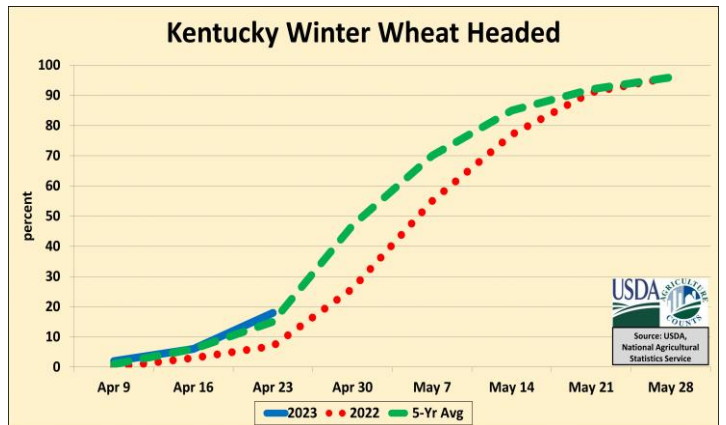
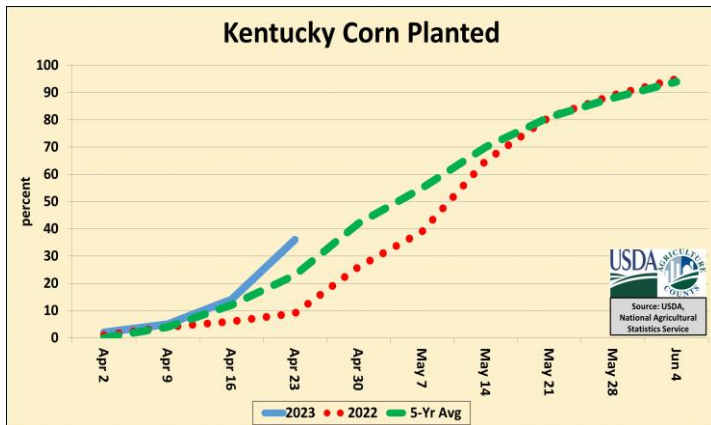
| Crop Stage                 | This Week | Last Week | Last Year | 5-Yr Avg |
|----------------------------|-----------|-----------|-----------|----------|
|                            | %         | %         | %         | %        |
| Corn Planted               | 36        | 14        | 9         | 23       |
| Corn Emerged               | 12        | -1        | -         | 5        |
| Soybeans Planted           | 19        | 7         | 5         | 6        |
| Tobacco Transplants Seeded | 87        | 74        | 74        | 81       |
| Winter Wheat Headed        | 18        | 6         | 7         | 15       |

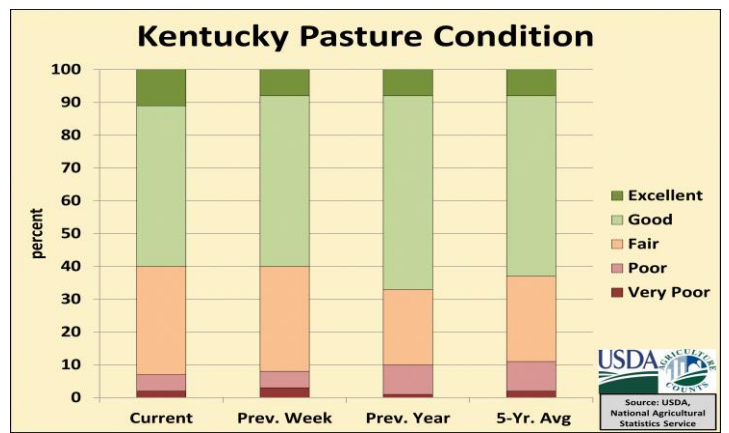
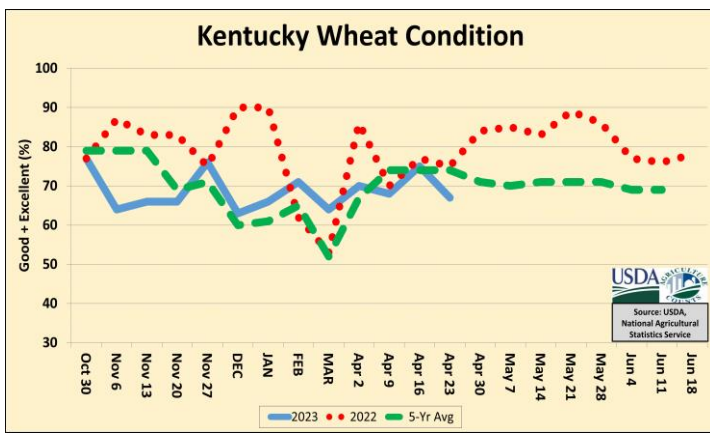
- Represents zero.  
-1 Represents not available.

**CROP CONDITIONS for week ending 04/23/23**

| Crop                | Very Poor | Poor | Fair | Good | Excellent |
|---------------------|-----------|------|------|------|-----------|
|                     | %         | %    | %    | %    | %         |
| Pasture             | 2         | 5    | 33   | 49   | 11        |
| Tobacco Transplants | -         | 1    | 20   | 67   | 12        |
| Wheat               | 2         | 3    | 28   | 57   | 10        |

- Represents zero.





**Kentucky Climate Summary**  
**For the Period April 17, 2023 to April 23, 2023**

Near Normal Temperatures and Below Normal Rainfall:

Mild temperatures, gusty winds, low humidity, and antecedent dry conditions led to an enhanced fire threat through the workweek. The risk was taken a step higher on Wednesday and Thursday with high temperatures rising into the 80s and low dew points in place. Luckily, the state saw some relief on Friday and Friday night with a slow moving cold front pushing through the area. Overall, the state averaged 0.88 inches, which was the highest weekly average in April thus far. Temperatures took a plunge over the weekend behind the frontal boundary. In fact, some locations dipped into the low to mid 30s on Sunday morning, opening up the window for patchy frost.

Temperatures for the period averaged 58 degrees across the state which was near normal and 2 degrees cooler than the previous period. High temperatures averaged from 70 in the West to 71 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 46 degrees in the West to 46 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 87 degrees at LOUISVILLE APT and the extreme low was 30 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 0.88 inches statewide which was 0.3 inches below normal and 75% of normal. Precipitation totals by climate division, West 1.22 inches, Central 0.79 inches, Bluegrass 0.85 inches and East 0.64 inches, which was 0.08, 0.43, 0.26 and 0.43 inches below normal. By station, precipitation totals ranged from a low of 0.03 inches at KOOMER RIDGE to a high of 2.77 inches at HICKMAN 2E.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 04/23/23 7 P.M. ^**

| County            | Weather Station   | Rainfall  |             |                | Deviation From    |                   | Air Temperatures |           |            |                  | 2" Weekly Soil Temps |           |
|-------------------|-------------------|-----------|-------------|----------------|-------------------|-------------------|------------------|-----------|------------|------------------|----------------------|-----------|
|                   |                   | Last Week | Since Jan 1 | Last Four Wks. | Norm. Since Jan 1 | Norm. Last 4 Wks. | High             | Low       | Wkly. Avg. | Dev. From Norm.* | Hi                   | Lo        |
|                   |                   | Inches    | Inches      | Inches         | Inches            | Inches            | Degrees F        | Degrees F | Degrees F  | Degrees F        | Degrees F            | Degrees F |
| <b>Western KY</b> |                   |           |             |                |                   |                   |                  |           |            |                  |                      |           |
| Caldwell          | Princeton(M)      | 0.71      | 16.88       | 2.05           | 0.42              | -2.54             | 84               | 32        | 56         | -4               |                      |           |
| Christian         | Hopkinsville(M)   | 1.32      | 18.63       | 2.76           | 2.65              | -1.67             | 84               | 33        | 57         | -2               | 71                   | 56        |
| Daviess           | Owensboro(AP)     | 0.64      | 14.81       | 1.76           | 0.30              | -2.64             | 86               | 36        | 58         | 0                |                      |           |
| Fulton            | Hickman(M)        | 2.78      | 22.30       | 3.80           | 5.87              | -0.77             | 83               | 36        | 57         | -3               |                      |           |
| Marshall          | Benton(M)         | 0.94      | 20.38       | 2.59           | 1.04              | -2.45             | 84               | 33        | 57         | -3               | 70                   | 54        |
| McCracken         | Paducah(AP)       | 2.45      | 23.72       | 3.74           | 7.29              | -0.83             | 84               | 35        | 59         | -1               |                      |           |
| McLean            | Calhoun(M)        | 0.73      | 18.47       | 2.19           | 1.33              | -2.53             | 86               | 34        | 56         | -5               | 79                   | 46        |
| Todd              | Elkton(M)         | 0.96      | 17.88       | 2.75           | 1.90              | -1.68             | 84               | 34        | 56         | -3               |                      |           |
| Union             | Morganfield(M)    | 0.80      | 17.33       | 2.58           | 2.82              | -1.82             | 84               | 34        | 56         | -2               | 71                   | 50        |
| <b>Central KY</b> |                   |           |             |                |                   |                   |                  |           |            |                  |                      |           |
| Barren            | Glasgow(M)        | 0.54      | 17.16       | 3.54           | 0.54              | -0.87             | 82               | 34        | 57         | -1               | 66                   | 52        |
| Breckinridge      | Hardinsburg(M)    | 0.84      | 18.34       | 2.47           | 2.38              | -2.16             | 84               | 34        | 56         | -1               | 71                   | 52        |
| Clinton           | Albany(M)         | 1.02      | 15.49       | 3.54           | -3.88             | -1.16             | 83               | 34        | 57         | 1                | 72                   | 52        |
| Hardin            | Elizabethtown(M)  | 0.74      | 17.85       | 2.16           | 1.89              | -2.47             | 83               | 32        | 55         | -2               |                      |           |
| Hart              | Munfordville(M)   | 0.68      | 18.03       | 3.72           | 0.96              | -0.69             | 82               | 35        | 56         | -5               | 64                   | 53        |
| Jefferson         | Louisville(AP)    | 0.69      | 16.40       | 2.19           | 1.31              | -2.09             | 87               | 40        | 60         | 0                |                      |           |
| Taylor            | Campbellsville(M) | 1.04      | 19.41       | 4.23           | 3.29              | 0.00              | 83               | 32        | 56         | -2               |                      |           |
| Warren            | Bowling_Green(AP) | 0.56      | 15.24       | 3.08           | -0.75             | -1.24             | 86               | 38        | 61         | 1                |                      |           |
| <b>Bluegrass</b>  |                   |           |             |                |                   |                   |                  |           |            |                  |                      |           |
| Boone             | Cinci./NKY(AP)    | 0.78      | 16.17       | 3.67           | 2.02              | -0.40             | 82               | 30        | 54         | -1               |                      |           |
| Boyle             | Danville(M)       | 1.09      | 17.97       | 2.84           | 2.55              | -1.33             | 82               | 35        | 56         | -2               | 73                   | 51        |
| Fayette           | Lexington(AP)     | 0.93      | 16.31       | 2.65           | 1.34              | -1.33             | 85               | 36        | 58         | 0                |                      |           |
| Franklin          | Frankfort(M)      | 0.80      | 16.05       | 1.67           | 1.12              | -2.51             | 83               | 35        | 55         | -2               | 68                   | 52        |
| Madison           | Richmond(M)       | 0.78      | 15.18       | 2.52           | -0.24             | -1.65             | 83               | 35        | 55         | -3               |                      |           |
| Mason             | Maysville(M)      | 0.93      | 14.64       | 2.84           | -0.77             | -1.42             | 82               | 31        | 54         | 0                | 66                   | 50        |
| <b>Eastern KY</b> |                   |           |             |                |                   |                   |                  |           |            |                  |                      |           |
| Breathitt         | Jackson(AP)       | 0.62      | 15.73       | 3.76           | -0.56             | -0.39             | 85               | 38        | 61         | 1                |                      |           |
| Harlan            | Harlan(M)         | 0.67      | 20.41       | 3.26           | 4.17              | -0.87             | 71               | 30        | 52         | -4               | 67                   | 45        |
| Lawrence          | Louisa(M)         | 0.73      | 14.19       | 3.23           | 0.23              | -0.26             | 86               | 35        | 57         | 0                |                      |           |
| Pike              | Pikeville(M)      | 0.47      | 13.88       | 2.44           | -0.08             | -1.05             | 81               | 35        | 58         | 1                |                      |           |
| Pulaski           | Somerset(M)       | 1.20      | 15.94       | 4.35           | 0.52              | 0.18              | 82               | 34        | 56         | -2               |                      |           |
| Rowan             | Morehead(M)       | 0.67      | 13.80       | 2.47           | -1.54             | -1.73             | 84               | 37        | 56         | 0                |                      |           |

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)