



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: 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

Released: June 12, 2023

Issue: 15-23

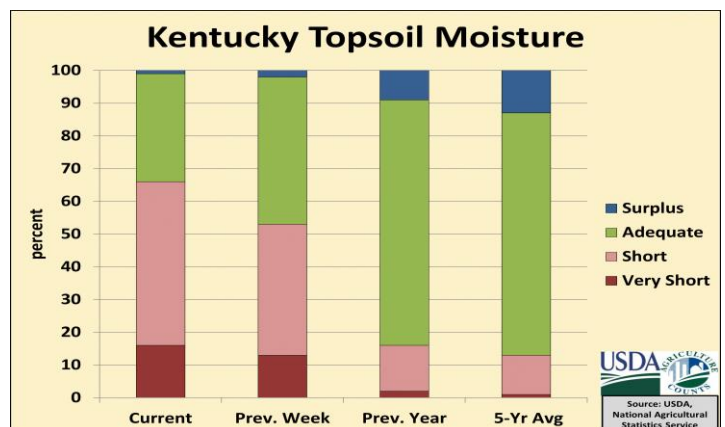
Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.78 inches, 0.31 inches below normal. Temperatures averaged 68 degrees for the week, 4 degrees below normal. **Topsoil moisture** was rated 16 percent very short, 50 percent short, 33 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 14 percent very short, 45 percent short, 40 percent adequate, and 1 percent surplus. Days suitable for fieldwork averaged 6.5 out of a possible seven.

Primary activities for this week included planting soybeans and tobacco along with cutting hay. Fieldwork was halted for many as several rounds of rain passed through. The majority of the rain missed the western part of the state and offered little relief to moderate drought conditions. Temperatures were relatively mild easing crop stress some, but rain is still needed. Many producers are irrigating or considering irrigation where a source is available. The average height of corn is 19 inches with 94 percent of the crop emerged. The condition of corn is mostly good, but drought stress is showing. Soybean planting continues to move along ahead of last year and the five year average with 73 percent of the crop emerged. The condition of soybeans is mostly good. Tobacco setting is progressing steadily as recent rain was not a widespread impediment. The condition of tobacco set is mostly good with the average height at 4 inches. Winter wheat condition remains mostly good with 85 percent of the crop coloring. Forty-seven percent of the wheat crop is mature and harvest has begun.

Pasture condition has deteriorated due to persistently dry conditions. Hay yields vary widely as some producers are growing concerned about stocks. There have been reports of poor yielding forage for first cuttings. Like field crops, pasture and hay ground is in need of precipitation to aid growth.

SOIL MOISTURE for week ending 06/11/23

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 16 | 50 | 33 | 1 |
| Subsoil | 14 | 45 | 40 | 1 |



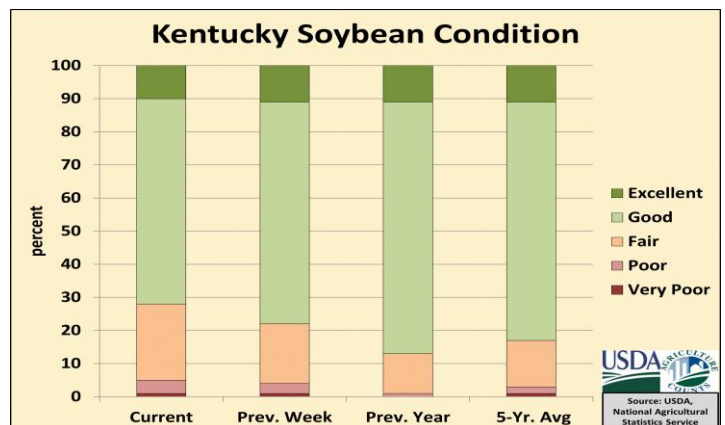
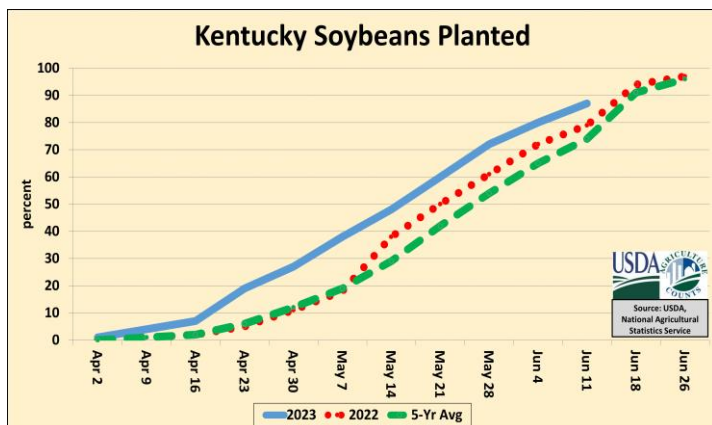
CROP PROGRESS for week ending 06/11/23

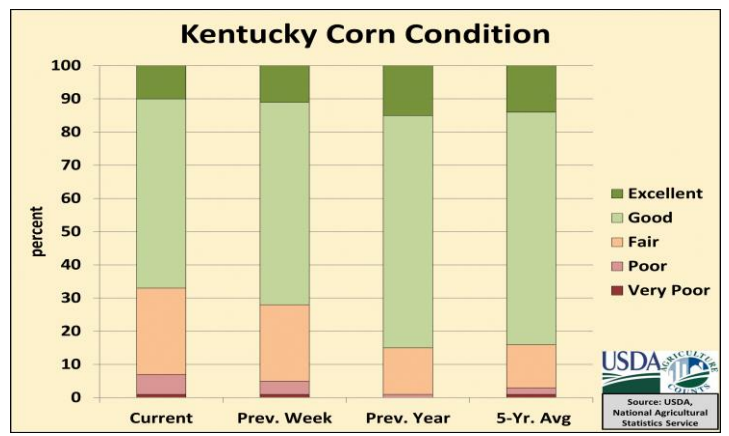
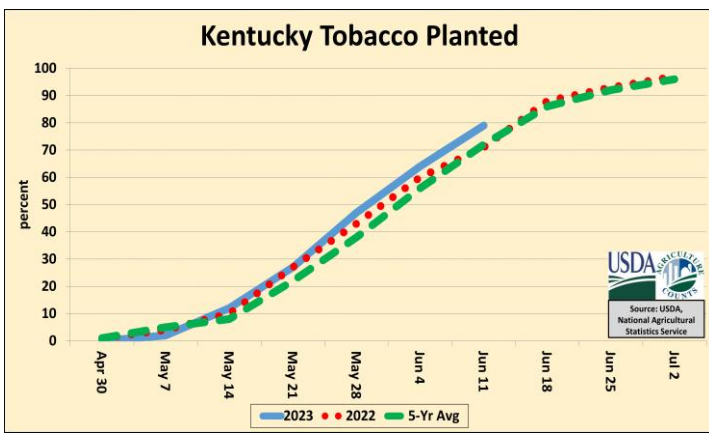
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|------------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Emerged | 94 | 86 | 85 | 88 |
| Soybeans Planted | 85 | 80 | 79 | 74 |
| Soybeans Emerged | 73 | 65 | 64 | 58 |
| Tobacco Set | 79 | 64 | 71 | 72 |
| Winter Wheat Coloring | 85 | 60 | 81 | -1 |
| Winter Wheat Mature | 47 | -1 | -1 | -1 |
| Winter Wheat Harvested | 4 | -1 | -1 | -1 |

-1 Represents not available.

CROP CONDITIONS for week ending 06/11/23

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 1 | 6 | 26 | 57 | 10 |
| Pasture | 8 | 11 | 32 | 46 | 3 |
| Soybeans | 1 | 4 | 23 | 62 | 10 |
| Tobacco Set | 1 | 3 | 20 | 70 | 6 |
| Wheat | 1 | 2 | 18 | 66 | 13 |





**Kentucky Climate Summary
For the Period June 5, 2023 to June 11, 2023**

Below Normal Temperatures and Rainfall:

Following weeks of dry conditions, the Bluegrass State saw a couple rounds of significant rainfall, one on Wednesday and the other on Sunday. Saying that, not everyone benefited. The heaviest rains fell across the eastern half of the state, especially—so across SE KY where many saw 1-2 inches. Unfortunately, most of the western half of Kentucky missed out on the higher totals. In fact, a large portion of Western and West-Central KY saw less than a half inch. On average, Western KY has only averaged roughly 2 inches over the past 30 days, which is over 2.5 inches below normal. Ahead of the rainfall this past week, the U.S. Drought Monitor introduced ‘moderate drought’ conditions to the Bluegrass and points south, into the Lake Cumberland Region. Outside of West-Central and far Eastern KY, the rest of the state was considered ‘abnormally dry’. When it wasn’t raining, the Commonwealth saw another hazy week as northerly flow sent wildfire smoke into the area from Canada.

Temperatures for the period averaged 68 degrees across the state which was 4 degrees cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 83 in the West to 77 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 58 degrees in the West to 54 degrees in the East. Departure from normal low temperature ranged from 5 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. The extreme high temperature for the period was 90 degrees at MORGANFIELD 4E and the extreme low was 42 degrees at MOREHEAD 4NE.

Precipitation (liq. equ.) for the period totaled 0.78 inches statewide which was 0.31 inches below normal and 72% of normal. Precipitation totals by climate division, West 0.46 inches, Central 0.93 inches, Bluegrass 0.59 inches and East 1.13 inches, which was -0.59, -0.19, -0.51 and 0.04 inches respectively from normal. By station, precipitation totals ranged from a low of 0.05 inches at HARTFORD 3E to a high of 2.42 inches at SOMERSET.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/11/23 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 | Avg |
| | | Inches | Inches | Inches | Inches | Inches | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F |
| Western KY | | | | | | | | | | | | | |
| Caldwell | Princeton(M) | 0.19 | 22.07 | 1.54 | -2.15 | -2.57 | 86 | 51 | 69 | -4 | | | |
| Christian | Hopkinsville(M) | 0.09 | 24.94 | 1.70 | 0.85 | -2.62 | 85 | 50 | 69 | -4 | 82 | 69 | 76 |
| Daviess | Owensboro(AP) | 0.11 | 17.91 | 0.66 | -4.28 | -3.32 | 88 | 52 | 71 | -2 | | | |
| Fulton | Hickman(M) | 0.08 | 25.50 | 0.93 | 1.20 | -3.19 | 87 | 53 | 72 | -2 | | | |
| Marshall | Benton(M) | 0.54 | 24.74 | 2.51 | -3.79 | -2.67 | 86 | 50 | 69 | -4 | 84 | 66 | 75 |
| McCracken | Paducah(AP) | 0.67 | 28.76 | 2.97 | 4.46 | -1.15 | 89 | 51 | 72 | -2 | | | |
| McLean | Calhoun(M) | 0.12 | 24.46 | 0.84 | -0.79 | -3.65 | 86 | 49 | 68 | -6 | 96 | 64 | 79 |
| Todd | Elkton(M) | 0.42 | 23.89 | 1.17 | -0.20 | -3.15 | 87 | 49 | 69 | -4 | | | |
| Union | Morganfield(M) | 0.41 | 21.49 | 0.50 | -0.70 | -3.48 | 90 | 49 | 70 | -3 | 94 | 66 | 79 |
| Central KY | | | | | | | | | | | | | |
| Barren | Glasgow(M) | 0.35 | 22.69 | 2.32 | -2.42 | -2.36 | 85 | 50 | 68 | -3 | 81 | 66 | 73 |
| Breckinridge | Hardinsburg(M) | 0.25 | 22.95 | 1.87 | -2.20 | -3.02 | 85 | 50 | 67 | -4 | 85 | 66 | 75 |
| Clinton | Albany(M) | 3.07 | 21.82 | 3.97 | -6.07 | -0.62 | 85 | 45 | 66 | -3 | 82 | 64 | 73 |
| Hardin | Elizabethtown(M) | 0.37 | 23.34 | 1.50 | -1.81 | -3.39 | 87 | 49 | 68 | -3 | 76 | 64 | 70 |
| Hart | Munfordville(M) | 1.44 | 23.27 | 2.79 | -1.99 | -1.63 | 86 | 50 | 68 | -6 | 82 | 65 | 73 |
| Jefferson | Louisville(AP) | 1.21 | 22.77 | 3.02 | -0.31 | -1.17 | 87 | 57 | 72 | -2 | | | |
| Taylor | Campbellsville(M) | 1.95 | 23.81 | 3.24 | -0.81 | -1.36 | 86 | 46 | 66 | -5 | | | |
| Warren | Bowling_Green(AP) | 0.47 | 20.30 | 1.58 | -3.56 | -2.61 | 88 | 53 | 72 | -1 | | | |
| Bluegrass | | | | | | | | | | | | | |
| Boone | Cinci./NKY(AP) | 1.41 | 20.61 | 1.83 | -1.10 | -2.37 | 86 | 49 | 68 | -2 | | | |
| Boyle | Danville(M) | 1.64 | 22.63 | 3.04 | -0.80 | -1.23 | 85 | 47 | 65 | -5 | 89 | 64 | 74 |
| Fayette | Lexington(AP) | 0.56 | 19.91 | 2.12 | -3.50 | -2.69 | 87 | 50 | 69 | -2 | | | |
| Franklin | Frankfort(M) | 1.28 | 20.89 | 3.52 | -1.79 | -0.56 | 84 | 46 | 65 | -6 | 82 | 66 | 74 |
| Madison | Richmond(M) | 0.72 | 18.44 | 1.90 | -4.99 | -2.37 | 85 | 45 | 65 | -5 | | | |
| Mason | Maysville(M) | 0.35 | 17.55 | 1.36 | -5.87 | -3.16 | 84 | 46 | 65 | -4 | 82 | 63 | 71 |
| Eastern KY | | | | | | | | | | | | | |
| Breathitt | Jackson(AP) | 0.95 | 21.22 | 2.83 | -3.24 | -1.80 | 82 | 50 | 67 | -3 | | | |
| Harlan | Harlan(M) | 1.05 | 26.08 | 3.31 | 2.29 | -0.74 | 71 | 48 | 57 | -13 | 76 | 57 | 64 |
| Lawrence | Louisa(M) | 0.42 | 20.25 | 2.86 | -0.73 | -1.18 | 85 | 44 | 65 | -4 | | | |
| Pike | Pikeville(M) | 1.34 | 21.34 | 4.93 | 0.36 | 0.89 | 74 | 49 | 62 | -7 | | | |
| Pulaski | Somerset(M) | 2.56 | 20.65 | 3.43 | -2.78 | -0.84 | 86 | 45 | 65 | -5 | | | |
| Rowan | Morehead(M) | 0.61 | 19.93 | 2.86 | -3.48 | -1.55 | 80 | 42 | 63 | -6 | | | |

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

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