



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: October 3, 2022

Issue: 31-22

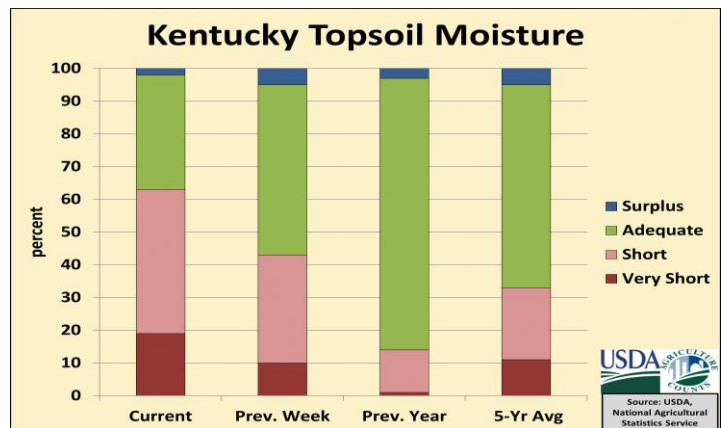
Agricultural News: Kentucky experienced well below normal temperatures and much below normal rainfall over the past week. Precipitation for the week totaled 0.04 inches, 0.78 inches below normal. Temperatures averaged 57 degrees for the week, 7 degrees below normal. **Topsoil moisture** was rated 19 percent very short, 44 percent short, 35 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 14 percent very short, 40 percent short, 43 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 6.8 out of a possible seven.

Primary activities for this week included cutting tobacco along with harvesting corn and soybeans. The fall harvest continues to roll along aided by dry weather. Temperatures have been cool with the first sign of frost. With 91 percent of the crop mature, corn is 57 percent harvested. Corn condition improved slightly despite the persistently dry conditions. Corn yields vary greatly with drought during the growing season taking a toll in some areas. Seventy-nine percent of the soybean crop is coloring at this juncture. The bean harvest is moving along steadily as 57 percent of the crop is dropping leaves. Double crop soybeans have suffered from drought and recent frost. Any frost damage is still being assessed. Like corn, soybean yields seem to vary greatly based on location and condition is slightly improved. Ninety-two percent of tobacco has been cut at this point. Tobacco yields appear to be fairly normal as many producers irrigated during the summer months. The condition of housed tobacco is 4 percent very poor, 9 percent poor, 21 percent fair, 56 percent good, and 10 percent excellent. Tobacco houseburn is rated as 4 percent severe, 19 percent moderate, 23 percent light, and 54 percent with none evident.

Pasture condition continues to deteriorate due to dry weather. Many farmers are now feeding hay to offset the stunted pasture regrowth. Hay supplies are rated as 2 percent very short, 16 percent short, 70 percent adequate, and 12 percent surplus.

SOIL MOISTURE for week ending 10/02/22

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 19 | 44 | 35 | 2 |
| Subsoil | 14 | 40 | 43 | 3 |



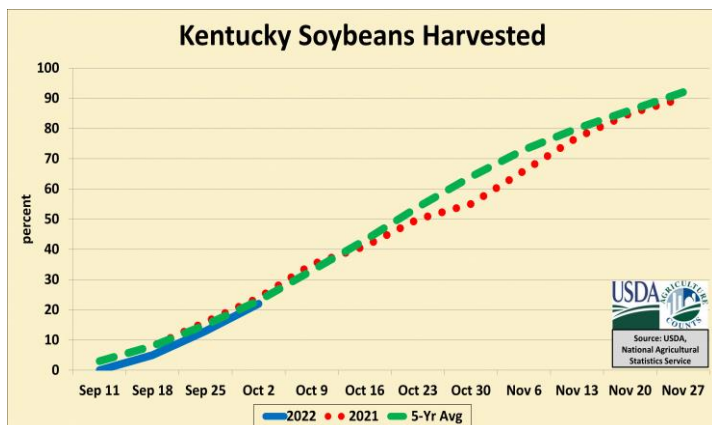
CROP PROGRESS for week ending 10/02/22

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|--------------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Dent | 98 | 95 | 94 | 98 |
| Corn Mature | 91 | 81 | 87 | 92 |
| Corn Harvested | 57 | 43 | 48 | 59 |
| Soybeans Coloring | 79 | 70 | 83 | 83 |
| Soybeans Dropping Leaves | 57 | 46 | 57 | 61 |
| Soybeans Harvested | 22 | 13 | 24 | 23 |
| Tobacco Cut | 92 | 86 | 86 | 88 |
| Winter Wheat Seeded | 5 | 2 | 7 | 7 |

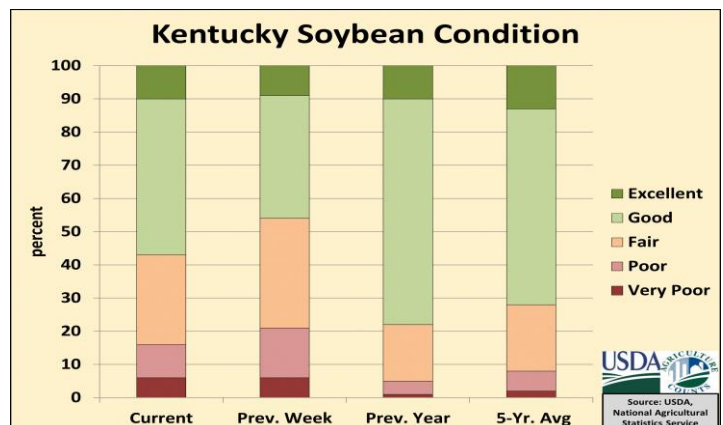
CROP CONDITIONS for week ending 10/02/22

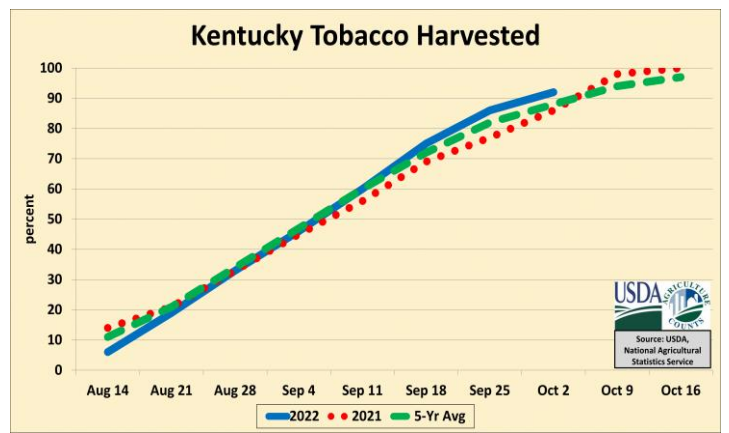
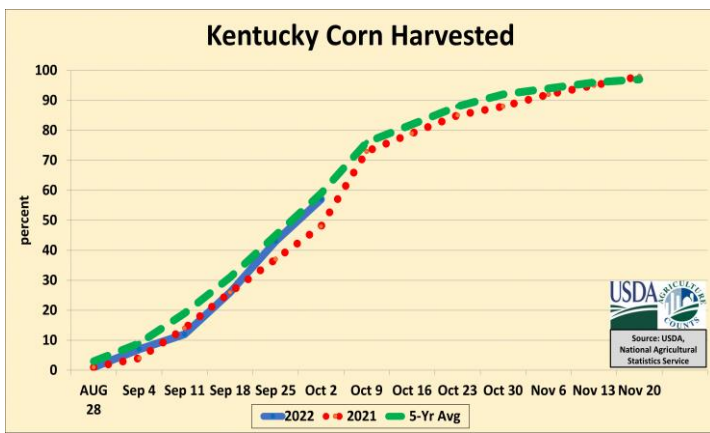
| Crop | Very Poor | Poor | Fair | Good | Excellent |
|----------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 11 | 16 | 32 | 36 | 5 |
| Livestock | 1 | 2 | 23 | 64 | 10 |
| Pasture | 5 | 22 | 32 | 32 | 9 |
| Soybeans | 6 | 10 | 27 | 47 | 10 |
| Tobacco Housed | 4 | 9 | 21 | 56 | 10 |

Kentucky Soybeans Harvested



Kentucky Soybean Condition





**Kentucky Climate Summary
For the Period September 26, 2022 to October 2, 2022**

Well Below Normal Temperatures and Much Below Normal Rainfall:

Below normal temperatures and dry conditions were the norm throughout the workweek. Highs ran in the 60s and 70s, while lows dropped into the 30s and 40s. A light frost was even on the table on Wednesday morning when many across Kentucky hit the middle 30s. Normal low temperatures for this time of year run in the low to middle 50s. Looking at precipitation, the remnants of Hurricane Ian provided the only rain for the week. Saying that, accumulations were limited to far Eastern Kentucky where some saw a half to 1+ inch. This was followed by a very tight gradient, keeping the rest of the state dry. Over the past 21 days, going back to September 12th, the state has only averaged 0.30 inches, which is over 2 inches below normal. In doing so, about a third of the state is now considered abnormally dry in the latest update of the U.S. Drought Monitor. In addition, moderate drought saw a slight expansion across the Purchase area.

Temperatures for the period averaged 57 degrees across the state which was 7 degrees cooler than normal and 14 degrees cooler than the previous period. High temperatures averaged from 74 in the West to 64 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 11 degrees cooler than normal in the East. Low temperatures averaged from 44 degrees in the West to 46 degrees in the East. Departure from normal low temperature ranged from 9 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. The extreme high temperature for the period was 82 degrees at PADUCAH ASOS and the extreme low was 32 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 0.04 inches statewide which was 0.78 inches below normal and 5% of normal. Precipitation totals by climate division, West 0.00 inches, Central 0.00 inches, Bluegrass 0.00 inches and East 0.17 inches, which was 0.84, 0.89, 0.75 and 0.64 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALBANY 1N to a high of 1.40 inches at PIKEVILLE 13S.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 10/2/22 7 P.M.^**

| County | Weather Station | Rainfall | | | Deviation From | | Air Temperatures | | | |
|-------------------|-------------------|-----------|-------------|----------------|--------------------|--------------------|------------------|-----------|------------|------------------|
| | | Last Week | Since Apr 1 | Last Four Wks. | Norm. Since Apr 1* | Norm. Last 4 Wks.* | High | Low | Wkly. Avg. | Dev. From Norm.* |
| | | Inches | Inches | Inches | Inches | Inches | Degrees F | Degrees F | Degrees F | Degrees F |
| Western KY | | | | | | | | | | |
| Caldwell | Princeton(M) | 0.00 | 22.16 | 0.05 | -3.81 | -3.11 | 78 | 38 | 58 | -7 |
| Christian | Hopkinsville(M) | 0.00 | 26.65 | 0.09 | -0.76 | -3.30 | 76 | 41 | 58 | -8 |
| Daviess | Owensboro(AP) | 0.00 | 17.53 | 0.63 | -6.79 | -2.53 | 79 | 40 | 59 | -6 |
| Fulton | Hickman(M) | 0.00 | 23.91 | 0.08 | -1.87 | -3.36 | 80 | 42 | 59 | -6 |
| Marshall | Benton(M) | 0.00 | 24.82 | 0.02 | -4.29 | -3.69 | 79 | 39 | 59 | -7 |
| McCracken | Paducah(AP) | 0.00 | 20.79 | 0.28 | -4.99 | -3.16 | 82 | 40 | 60 | -5 |
| McLean | Calhoun(M) | 0.00 | 24.77 | 1.04 | -1.91 | -2.33 | 76 | 38 | 57 | -10 |
| Todd | Elkton(M) | 0.00 | 25.13 | 0.65 | -2.28 | -2.74 | 78 | 37 | 58 | -8 |
| Union | Morganfield(M) | 0.00 | 21.62 | 0.27 | -2.70 | -2.89 | 79 | 40 | 59 | -6 |
| Central KY | | | | | | | | | | |
| Barren | Glasgow(M) | 0.00 | 23.57 | 0.54 | -4.17 | -2.87 | 76 | 39 | 57 | -8 |
| Breckinridge | Hardinsburg(M) | 0.00 | 26.42 | 0.41 | -0.84 | -2.90 | 75 | 36 | 56 | -8 |
| Clinton | Albany(M) | 0.00 | 27.19 | 0.93 | -2.48 | -3.38 | 74 | 39 | 57 | -5 |
| Hardin | Elizabethtown(M) | 0.00 | 22.83 | 2.87 | -4.43 | -0.44 | 75 | 36 | 56 | -8 |
| Hart | Munfordville(M) | 0.00 | 18.12 | 0.26 | -9.76 | -3.40 | 76 | 43 | 58 | -9 |
| Jefferson | Louisville(AP) | 0.00 | 22.21 | 1.14 | -3.72 | -2.37 | 77 | 46 | 61 | -5 |
| Taylor | Campbellsville(M) | 0.00 | 21.02 | 2.16 | -6.45 | -1.52 | 74 | 38 | 57 | -7 |
| Warren | Bowling_Green(AP) | 0.00 | 21.65 | 1.25 | -4.76 | -2.14 | 79 | 42 | 62 | -4 |
| Bluegrass | | | | | | | | | | |
| Boone | Cinci./NKY(AP) | 0.00 | 29.09 | 1.41 | 4.57 | -1.52 | 74 | 40 | 58 | -4 |
| Boyle | Danville(M) | 0.00 | 21.00 | 0.45 | -6.81 | -3.24 | 75 | 35 | 55 | -8 |
| Fayette | Lexington(AP) | 0.00 | 21.88 | 1.24 | -5.43 | -2.00 | 76 | 39 | 59 | -4 |
| Franklin | Frankfort(M) | 0.00 | 22.73 | 0.40 | -2.69 | -2.80 | 74 | 36 | 57 | -6 |
| Madison | Richmond(M) | 0.00 | 24.24 | 0.30 | -3.57 | -3.39 | 72 | 33 | 55 | -8 |
| Mason | Maysville(M) | 0.00 | 24.60 | 1.22 | -1.60 | -2.07 | 71 | 37 | 55 | -8 |
| Eastern KY | | | | | | | | | | |
| Breathitt | Jackson(AP) | 0.15 | 30.30 | 0.95 | 2.32 | -2.28 | 70 | 41 | 55 | -9 |
| Harlan | Harlan(M) | 0.88 | 33.84 | 3.02 | 6.09 | -0.16 | 58 | 37 | 46 | -18 |
| Lawrence | Louisa(M) | 0.61 | 25.19 | 1.50 | -0.22 | -1.60 | 74 | 36 | 54 | -8 |
| Pike | Pikeville(M) | 1.41 | 35.29 | 3.56 | 9.88 | 0.46 | 63 | 39 | 49 | -13 |
| Pulaski | Somerset(M) | 0.00 | 25.56 | 1.25 | -2.25 | -2.44 | 72 | 34 | 55 | -8 |
| Rowan | Morehead(M) | 0.00 | 26.23 | 0.24 | -2.35 | -3.36 | 70 | 34 | 54 | -8 |

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