



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
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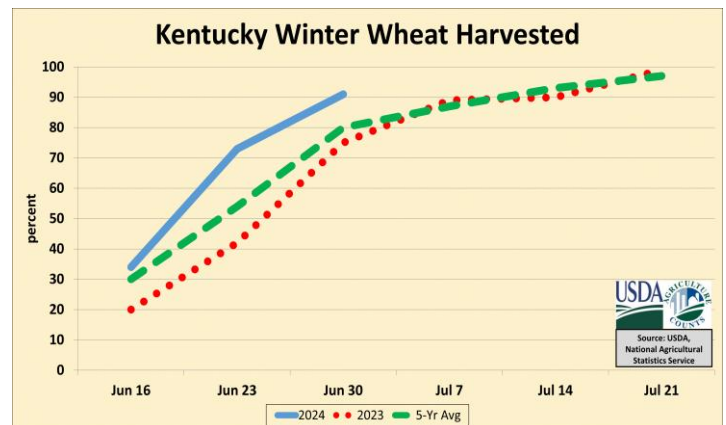
**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.29 inches, 0.18 inches below normal. Temperatures averaged 79 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 8 percent very short, 23 percent short, 65 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 7 percent very short, 21 percent short, 69 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 5.9 out of a possible seven.

Primary activities this week included replanting of corn and soybeans, harvesting wheat, cutting hay, and applications of agricultural chemicals. Most of the state saw very hot weather, consistent with the heatwave experienced across the Southeastern US. Portions of the state received well-timed rains that mitigated some crop stress. Rainfall was heaviest in the southern part of the state. Portions of the Bluegrass region and Eastern Kentucky are now considered abnormally dry. Corn acres are now estimated to be 100% planted and emerged. 32% of the crop is now silking, well ahead of the 5-year average of 19%. Soybean planting is nearing completion, at 94% complete. 84% of acres are now emerged. The average height of emerged soybeans was 13 inches. 95% of tobacco acres are now set, consistent with this time last year. Dry weather allowed for great progress in the wheat harvest, with 91% of acres now harvested.

Despite the warm weather and abnormally dry conditions in certain areas, livestock and pasture conditions remain relatively well. 83% of livestock was rated in good or excellent condition. 70% of pasture was rated good or excellent. First cutting of hay is now at 95% complete, 75% was rated as good or excellent quality.

**SOIL MOISTURE for week ending 06/30/24**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	8	23	65	4
Subsoil	7	21	69	3



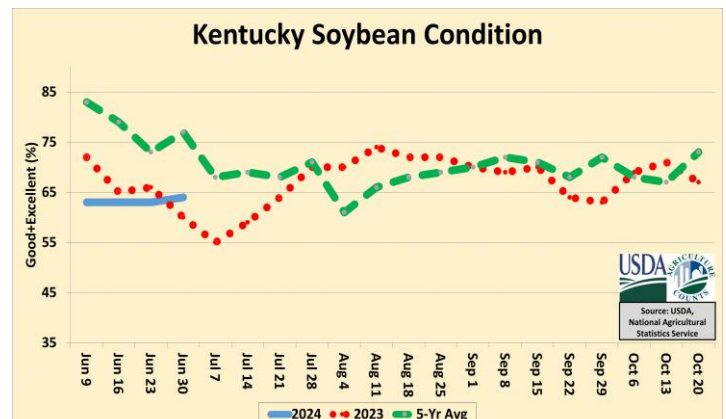
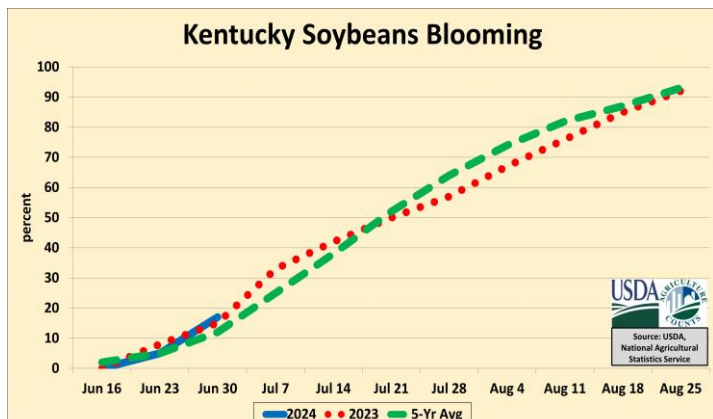
**CROP PROGRESS for week ending 06/30/24**

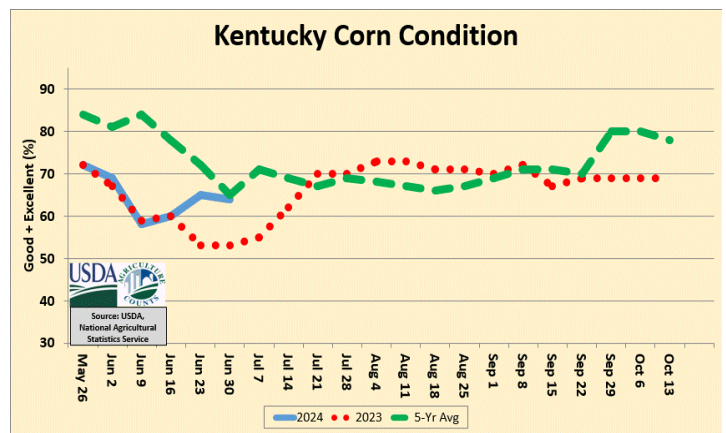
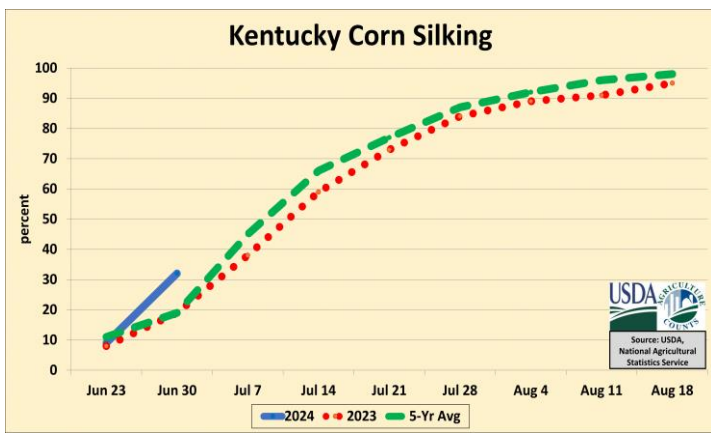
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Emerged	100	93	100	99
Corn Silking	32	9	19	19
Soybeans Planted	94	86	94	93
Soybeans Emerged	84	74	88	83
Soybeans Blooming	17	5	15	12
Tobacco Set	95	87	96	94
Tobacco Blooming	3	-	-1	-1
Winter Wheat Mature	100	94	-1	-1
Winter Wheat Harvested	91	73	75	80

**CROP CONDITIONS for week ending 06/30/24**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	7	27	58	6
Hay Harvested Quality	1	5	19	63	12
Livestock	1	2	14	73	10
Pasture	1	4	25	60	10
Soybeans	2	8	26	56	8
Tobacco Set	1	3	17	73	6

- Represents zero.  
-1 Shown when data not available.





**Kentucky Climate Summary**  
**For the Period June 24, 2024 to June 30, 2024**

Above Normal Temperatures and Rainfall:

Heat remained in the Bluegrass State for much of the period, with heat indices periodically rising to around 100 degrees. Luckily, the state saw more rainfall compared to recent weeks, averaging 1.29 inches, most of which fell on Wednesday and Sunday. That said, in typical summertime fashion, the range was quite significant. While portions of the southern half of Kentucky saw over 2 inches, some areas in the Bluegrass recorded less than half an inch. The Bluegrass is an area that continually missed out on rainfall throughout June, ultimately running 2 inches below normal for the month. As shallow soil moisture retreated and stream flows diminished, this area, along with portions of Eastern Kentucky, were deemed 'abnormally dry' in the last update of the U.S. Drought Monitor.

Temperatures for the period averaged 79 degrees across the state which was 3 degrees warmer than normal and no change to the previous period. High temperatures averaged from 89 in the West to 88 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 70 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 3 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at BOWLING GREEN APT and the extreme low was 56 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 1.29 inches statewide which was 0.18 inches above normal and 116% of normal. Precipitation totals by climate division, West 1.72 inches, Central 1.34 inches, Bluegrass 0.63 inches and East 1.49 inches, which was 0.69, 0.22, -0.45 and 0.27 inches respectively from normal. By station, precipitation totals ranged from a low of 0.06 inches at ALEXANDRIA 5NW to a high of 3.43 inches at BARBOURVILLE 3E.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 06/30/24 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	Degree s F	Degree s F	Degree s F	Degrees F	Degrees F	Degrees F	Degrees F
<b>Western KY</b>													
Caldwell	Princeton(M)	1.89	16.72	3.80	2.33	-0.38	94	66	78	1	201	1713	145
Christian	Hopkinsville(M)	1.29	17.62	3.78	3.17	-0.19	93	68	78	0	202	1723	174
Daviess	Owensboro(AP)	0.31	14.95	1.18	1.07	-2.64	94	67	80	3	213	1818	307
Fulton	Hickman(M)	1.52	19.95	5.13	5.40	0.91	96	69	80	1	214	1830	193
Marshall	Benton(M)	2.61	17.25	3.01	0.60	-1.92	95	67	79	1	205	1757	142
McCracken	Paducah(AP)	1.88	17.54	3.26	2.99	-0.96	97	67	81	2	215	1938	301
McLean	Calhoun(M)	1.40	20.63	2.94	5.42	-1.67	94	64	78	0	199	1661	-38
Todd	Elkton(M)	1.30	21.34	3.61	6.89	-0.36	93	64	78	0	199	1656	107
Union	Morganfield(M)	1.09	18.02	1.98	4.14	-1.84	94	65	78	1	197	1757	246
<b>Central KY</b>													
Barren	Glasgow(M)	2.37	18.56	4.12	3.37	-0.38	91	63	77	0	194	1639	199
Breckinridge	Hardinsburg(M)	1.07	16.38	2.89	0.30	-1.56	91	65	77	0	195	1614	210
Clinton	Albany(M)	0.79	18.33	1.85	2.83	-2.79	91	58	77	3	192	1565	324
Hardin	Elizabethtown(M)	1.04	13.59	1.68	-2.49	-2.77	94	62	78	1	199	1621	217
Hart	Munfordville(M)	0.64	14.52	2.14	-0.40	-2.38	92	61	77	-1	193	1610	-85
Jefferson	Louisville(AP)	1.25	12.85	1.55	-1.40	-2.44	94	67	82	3	225	1940	309
Taylor	Campbellsville(M)	0.25	16.67	1.14	1.56	-3.48	93	60	77	2	195	1582	169
Warren	Bowling_Green(AP)	1.56	15.38	2.60	1.03	-1.61	97	65	82	4	222	1898	289
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	0.08	10.43	0.52	-3.52	-3.92	91	63	78	3	193	1593	346
Boyle	Danville(M)	0.35	13.67	1.80	-1.15	-3.02	92	61	77	3	190	1577	210
Fayette	Lexington(AP)	0.86	13.06	2.87	-1.76	-1.76	94	64	80	4	213	1731	369
Franklin	Frankfort(M)	0.58	11.80	0.98	-2.19	-3.09	94	60	77	1	194	1563	169
Madison	Richmond(M)	0.11	10.94	1.47	-3.88	-3.35	93	58	76	2	187	1514	147
Mason	Maysville(M)	0.17	12.43	2.16	-1.63	-1.84	92	60	76	1	183	1481	289
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	2.61	12.60	3.59	-2.36	-1.33	91	63	78	3	198	1685	276
Harlan	Harlan(M)	0.99	12.05	2.62	-2.40	-2.10	80	57	68	-6	131	944	-362
Lawrence	Louisa(M)	0.42	10.90	2.23	-2.14	-2.27	96	59	78	4	199	1580	345
Pike	Pikeville(M)	1.28	11.90	2.19	-1.14	-2.31	89	63	74	0	169	1325	90
Pulaski	Somerset(M)	2.11	16.51	3.21	1.69	-1.61	91	58	77	3	192	1485	118
Rowan	Morehead(M)	0.16	14.51	2.37	-0.16	-2.12	92	57	75	1	177	1419	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.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](http://weather.uky.edu/climate_normals.php)