



# 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  
Cooperative Extension Service

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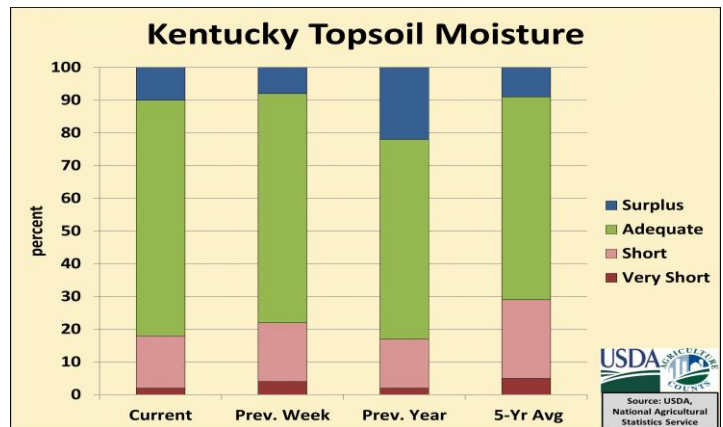
**Agricultural News:** Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.31 inches, 0.36 inches above normal. Temperatures averaged 74 degrees for the week, 3 degrees below normal. **Topsoil moisture** was rated 2 percent very short, 16 percent short, 72 percent adequate, and 10 percent surplus. **Subsoil moisture** was rated 2 percent very short, 16 percent short, 74 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 4.8 out of a possible seven.

Primary activities for this week included monitoring field crops, spraying, topping tobacco, and cutting hay. The week began with very little weather activity, but this calm gave way to several rounds of storms. The western portion of the state saw very heavy rainfall and flooding was reported. Low lying areas and bottoms received the brunt of the damage as crops are being assessed. Eighty-nine percent of corn is silking at this juncture. Corn in the milk stage is at 66 percent as 47 percent of the crop is doughing. Twenty-four percent of corn is in the dent stage. Sixty-seven percent of soybeans are blooming with 49 percent setting pods. Just 2 percent of soybeans are coloring at this time. The condition of both soybeans and corn remains mostly good despite recent weather events. Sixty-one percent of tobacco is blooming as overall condition is mostly good. Topping is 38 percent complete.

Pasture condition overall has declined slightly. The heavy rain in some areas has proved a detriment while others have received too little rain. Whether dry or saturated, pasture ground is susceptible to damage from livestock traffic.

**SOIL MOISTURE for week ending 08/06/23**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	16	72	10
Subsoil	2	16	74	8



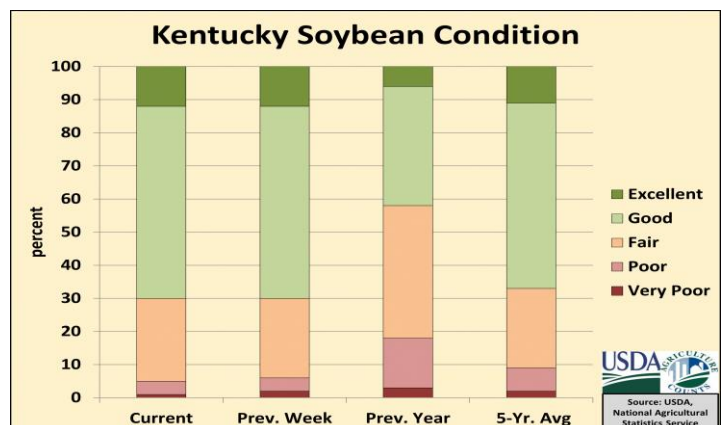
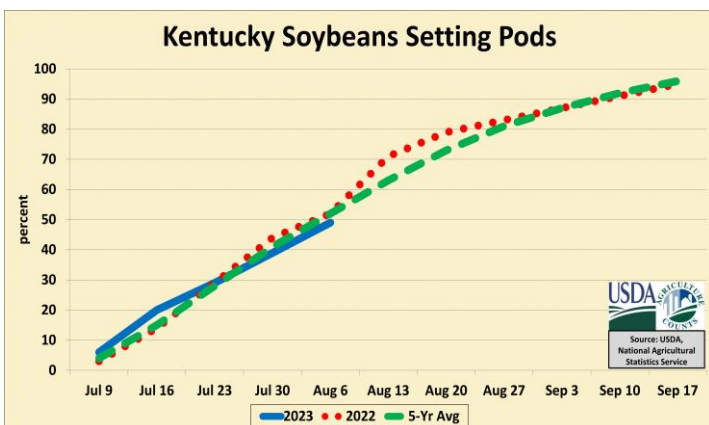
**CROP PROGRESS for week ending 08/06/23**

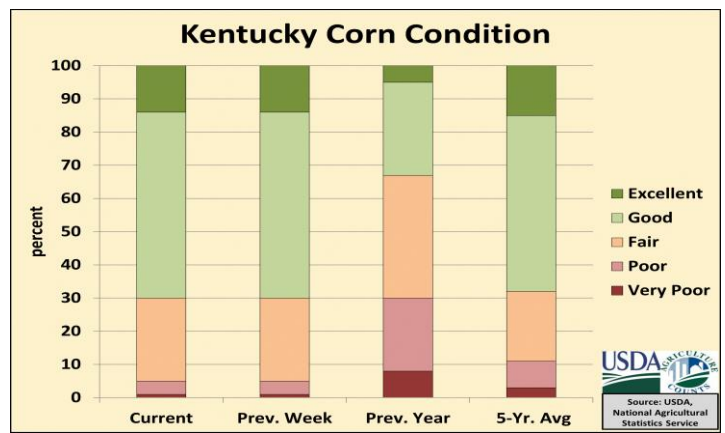
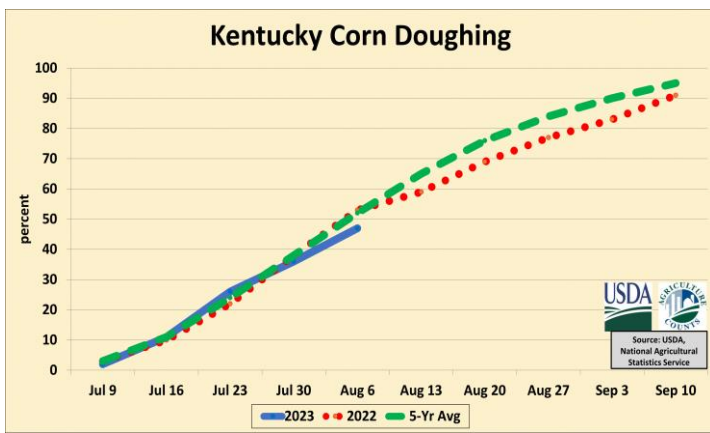
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	89	84	91	92
Corn Milked	66	53	71	72
Corn Dough	47	36	53	52
Corn Dent	24	10	31	28
Soybeans Blooming	67	57	73	74
Soybeans Setting Pods	49	39	52	52
Soybeans Coloring	2	-1	-1	-1
Tobacco Blooming	61	49	68	69
Tobacco Topped	38	24	43	46

**CROP CONDITIONS for week ending 08/06/23**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	4	25	56	14
Pasture	2	6	25	57	10
Soybeans	1	4	25	58	12
Tobacco Set	4	6	18	65	7

-1 Represents not available.





**Kentucky Climate Summary**  
**For the Period July 31, 2023 to August 6, 2023**

Below Normal Temperatures and Above Normal Rainfall:

The first half of the week ran quiet for the Commonwealth with seasonable temperatures and more comfortable humidity compared to recent weeks. Saying that, conditions changed abruptly Wednesday night as the state saw multiple rounds of storms through Saturday. Repeated rounds of storms led to yet another bout of flash flooding across portions of Western KY. In fact, the Fulton County Mesonet station recorded over 12 inches for the week across a three-day period. Just to put in perspective, this is about a quarter of the average rainfall seen in a year! Western KY, as a whole, averaged 2.74 inches for the week. That average diminished farther east, 0.33 for the Bluegrass and 0.88 for Eastern KY.

Temperatures for the period averaged 74 degrees across the state which was 3 degrees cooler than normal and 6 degrees cooler than the previous period. High temperatures averaged from 84 in the West to 83 in the East. Departure from normal high temperatures ranged from 5 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. Low temperatures averaged from 68 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from near normal in the West to 1 degree cooler than normal in the East. The extreme high temperature for the period was 94 degrees at LOUISA 1S and the extreme low was 53 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.31 inches statewide which was 0.36 inches above normal and 139% of normal. Precipitation totals by climate division, West 2.74 inches, Central 1.30 inches, Bluegrass 0.33 inches and East 0.88 inches, which was 1.88, 0.39, -0.60 and -0.20 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at ALEXANDRIA 5NW to a high of 12.49 inches at HICKMAN 2E.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 08/06/23 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)	3.05	22.48	9.42	2.80	5.48	86	62	75	-2	178	2394	-226
Christian	Hopkinsville(M)	2.34	18.56	5.99	-1.65	1.75	87	62	75	-3	176	2417	-207
Daviess	Owensboro(AP)	0.90	13.66	1.81	-4.75	-1.45	87	63	76	0	185	2548	12
Fulton	Hickman(M)	12.49	15.28	15.28	6.93	11.62	88	66	77	-1	192	2634	-98
Marshall	Benton(M)	2.90	17.57	8.50	-4.65	4.32	87	66	76	-2	184	2495	-198
McCracken	Paducah(AP)	3.72	13.19	13.19	3.73	9.53	89	67	79	0	200	2768	36
McLean	Calhoun(M)	0.95	19.91	3.78	-0.94	-0.26	86	60	74	-4	170	2336	-457
Todd	Elkton(M)	2.66	17.23	5.79	-2.98	1.55	88	59	74	-4	174	2383	-241
Union	Morganfield(M)	1.02	14.75	4.84	-3.66	1.58	89	62	76	0	182	2498	-38
<b>Central KY</b>													
Barren	Glasgow(M)	1.49	17.31	3.13	-3.72	-1.33	86	59	73	-4	166	2282	-185
Breckinridge	Hardinsburg(M)	0.55	16.66	3.69	-4.25	0.21	85	60	74	-2	168	2256	-174
Clinton	Albany(M)	1.13	17.53	3.95	-3.94	-0.45	87	58	73	-1	163	2154	-27
Hardin	Elizabethtown(M)	1.27	18.05	2.85	-2.86	-0.63	86	59	73	-3	166	2234	-196
Hart	Munfordville(M)	1.64	19.59	4.13	-0.99	-0.01	86	60	73	-5	166	2256	-535
Jefferson	Louisville(AP)	0.47	15.48	1.73	-3.63	-1.94	90	64	78	-1	197	2687	-49
Taylor	Campbellsville(M)	1.02	14.65	2.46	-5.73	-1.43	85	57	73	-2	162	2170	-220
Warren	Bowling_Green(AP)	1.34	14.90	3.50	-4.42	-0.08	89	61	76	-3	185	2652	-56
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	0.00	17.00	6.86	-1.52	3.44	88	63	76	0	179	2192	-14
Boyle	Danville(M)	0.93	14.22	3.05	-6.55	-1.22	85	56	72	-2	159	2114	-187
Fayette	Lexington(AP)	0.58	17.54	3.18	-3.25	-1.35	90	60	76	0	183	2411	61
Franklin	Frankfort(M)	0.22	16.42	3.20	-2.98	-0.84	88	56	73	-3	164	2080	-320
Madison	Richmond(M)	0.26	15.80	2.45	-4.97	-1.82	89	56	73	-1	161	2053	-248
Mason	Maysville(M)	0.00	13.06	4.35	-6.86	-0.25	86	56	72	-3	158	2018	-133
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	1.13	17.47	3.57	-3.56	-0.99	88	61	75	0	172	2312	-49
Harlan	Harlan(M)	1.02	15.72	2.26	-5.05	-2.47	75	55	64	-11	103	1250	-1016
Lawrence	Louisa(M)	0.62	13.49	2.05	-5.54	-2.36	94	56	75	0	178	2193	19
Pike	Pikeville(M)	0.97	18.07	5.47	-0.96	1.06	80	58	69	-5	135	1789	-385
Pulaski	Somerset(M)	1.04	13.79	2.13	-6.98	-2.14	87	55	72	-2	156	2057	-244
Rowan	Morehead(M)	0.06	16.10	3.22	-5.38	-1.87	90	54	73	-1	162	1974	-154

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.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)