



Crop Progress and Condition

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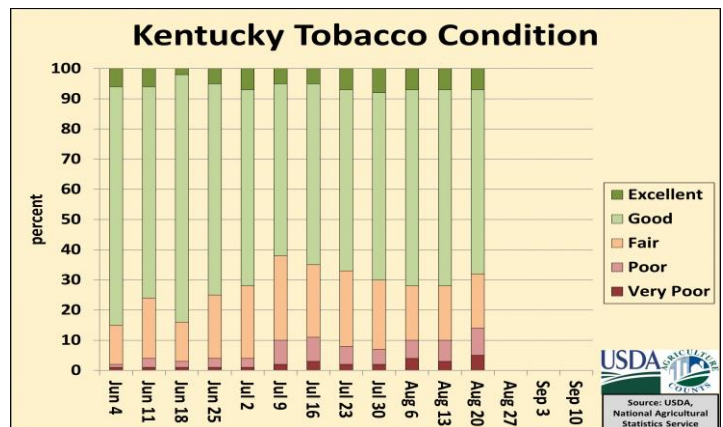
Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.62 inches, 0.18 inches below normal. Temperatures averaged 72 degrees for the week, 4 degrees below normal. **Topsoil moisture** was rated 3 percent very short, 15 percent short, 74 percent adequate, and 8 percent surplus. **Subsoil moisture** was rated 3 percent very short, 15 percent short, 75 percent adequate, and 7 percent surplus. Days suitable for fieldwork averaged 5.7 out of a possible seven.

Primary activities for this week included cutting hay along with topping and cutting tobacco. The state stayed fairly dry and cool through most of the week with temperatures rising abruptly over the weekend. With favorable conditions, farmers were able to push ahead in the fields. Ninety-five percent of corn is silking at this juncture. Corn in the milk stage is at 87 percent as 71 percent of the crop is doughing. Fifty-one percent of corn is in the dent stage with the crop 11 percent mature. Eighty-three percent of soybeans are blooming with 69 percent setting pods. Seventeen percent of soybeans are coloring at this time. The condition of both soybeans and corn remains mostly good with reasonably stable weather through the majority of the week. There are reports of disease in soybeans, but not widespread. Eighty-five percent of tobacco is blooming as overall condition is mostly good. Flood events from several weeks ago caused significant damage to some fields and introduced disease. Topping is 68 percent complete. Cutting has started for many with 14 percent of the crop harvested.

Pasture condition remains mostly good as cooler temperatures eased heat stress. Farmers continue to cut hay in hopes of having sufficient winter stocks.

SOIL MOISTURE for week ending 08/20/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	15	74	8
Subsoil	3	15	75	7



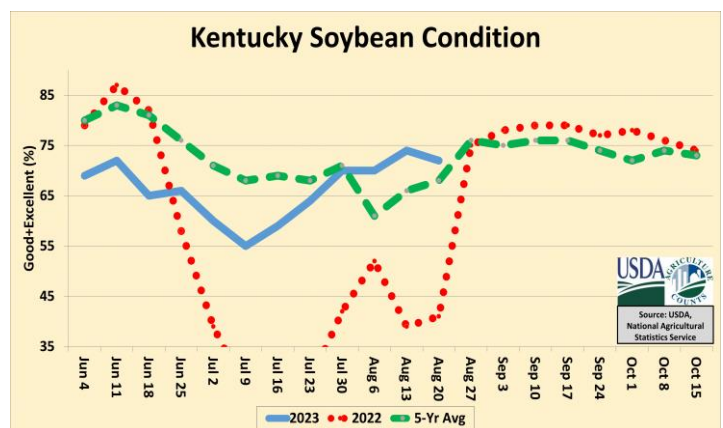
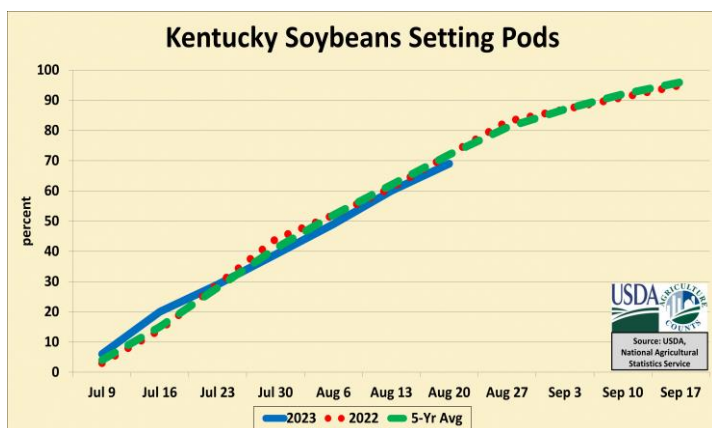
CROP PROGRESS for week ending 08/20/23

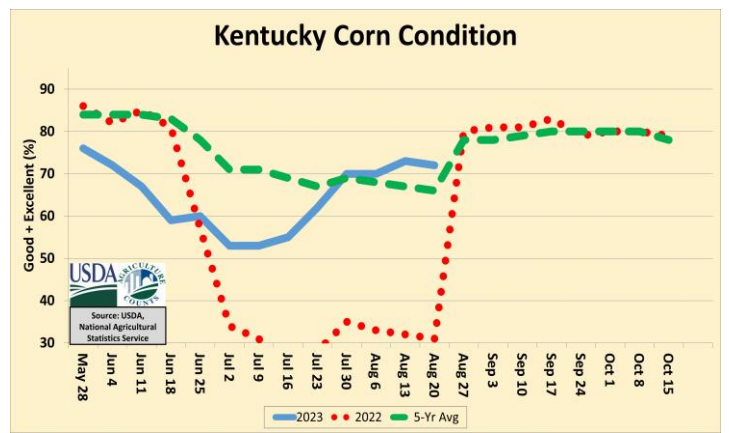
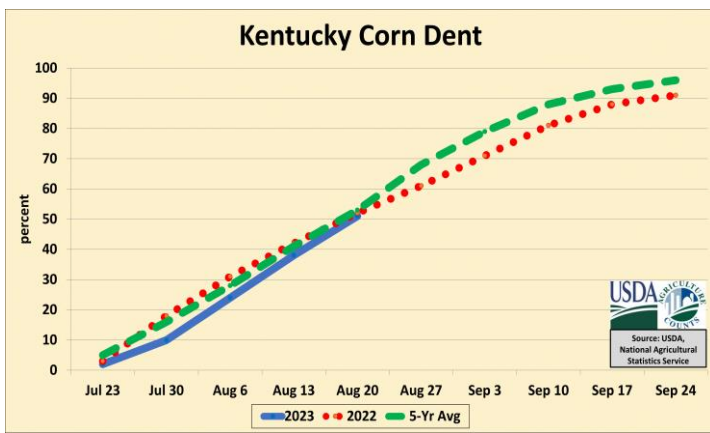
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	95	91	98	98
Corn Milked	87	78	88	88
Corn Dough	71	60	70	73
Corn Dent	51	38	52	53
Corn Mature	11	-1	12	17
Soybeans Blooming	83	76	89	88
Soybeans Setting Pods	69	60	72	72
Soybeans Coloring	17	10	15	13
Tobacco Blooming	85	75	86	87
Tobacco Topped	68	55	64	70
Tobacco Cut	14	5	17	19

CROP CONDITIONS for week ending 08/20/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	4	23	55	17
Pasture	4	7	23	56	10
Soybeans	1	4	23	59	13
Tobacco Set	5	9	18	61	7

-1 Represents not available.





**Kentucky Climate Summary
For the Period August 14, 2023 to August 20, 2023**

Below Normal Temperatures and Rainfall:

The period started and ended on opposite ends of the spectrum, both in terms of temperatures and precipitation. The state averaged 0.62 inches for the week, the brunt of which fell on Monday as the state saw a couple rounds of showers and storms ahead of a cold front. Outside of some light, isolated showers or sprinkles midweek, dry conditions were the norm for the rest of the period. Following the passage of the aforementioned cold front, Kentucky received an early taste of fall weather through the workweek as highs only rose into the 70s over multiple days and humidity ran low. That all changed abruptly over the weekend, especially on Sunday, as a heat dome started expanding over the area. Highs rose into the upper 80s to low 90s for just about everyone. Combined with elevated humidity across Western KY, heat indices pushed well over the century mark.

Temperatures for the period averaged 72 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 81 in the East. Departure from normal high temperatures ranged from 5 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 62 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 5 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. The extreme high temperature for the period was 94 degrees at POPLAR BLUFF ASOS and the extreme low was 51 degrees at OWINGSVILLE 4S.

Precipitation (liq. equ.) for the period totaled 0.62 inches statewide which was 0.18 inches below normal and 78% of normal. Precipitation totals by climate division, West 0.97 inches, Central 0.61 inches, Bluegrass 0.56 inches and East 0.33 inches, which was 0.22, -0.23, -0.18 and -0.53 inches respectively from normal. By station, precipitation totals ranged from a low of 0.08 inches at VANCEBURG 6W to a high of 1.98 inches at HENDERSON 5E.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/20/23 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
Western KY													
Caldwell	Princeton(M)	0.71	24.49	8.62	3.17	5.07	90	58	71	-5	153	2721	-287
Christian	Hopkinsville(M)	0.39	20.59	6.02	-1.58	2.01	90	61	72	-5	158	2749	-270
Daviess	Owensboro(AP)	1.64	15.70	3.26	-4.00	0.51	91	60	73	-3	164	2896	-16
Fulton	Hickman(M)	0.30	29.01	15.39	8.06	12.27	92	59	73	-4	163	2977	-155
Marshall	Benton(M)	1.14	20.23	6.37	-3.67	2.61	91	60	72	-5	160	2835	-258
McCracken	Paducah(AP)	1.13	25.23	6.97	4.28	3.85	93	60	74	-3	171	3129	-3
McLean	Calhoun(M)	1.13	21.45	3.82	-0.58	0.88	90	56	71	-7	148	2657	-540
Todd	Elkton(M)	0.48	20.90	6.90	-1.27	2.89	90	57	71	-6	153	2712	-307
Union	Morganfield(M)	1.27	16.84	4.62	-2.86	1.87	92	58	72	-4	160	2839	-73
Central KY													
Barren	Glasgow(M)	0.38	19.43	4.06	-3.29	0.22	89	58	71	-5	153	2612	-232
Breckinridge	Hardinsburg(M)	1.37	18.69	3.68	-3.67	0.63	89	57	70	-6	146	2577	-230
Clinton	Albany(M)	0.43	19.24	4.04	-4.14	0.03	89	55	71	-2	152	2478	-47
Hardin	Elizabethtown(M)	0.99	20.28	4.25	-2.08	1.20	89	55	70	-6	146	2551	-256
Hart	Munfordville(M)	0.31	21.25	4.23	-1.02	0.64	88	57	72	-6	155	2591	-603
Jefferson	Louisville(AP)	0.65	17.67	2.69	-3.16	-0.93	92	62	75	-3	178	3071	-77
Taylor	Campbellsville(M)	0.20	16.03	2.81	-6.00	-0.71	91	54	71	-3	151	2496	-254
Warren	Bowling_Green(AP)	0.22	17.42	4.22	-3.65	0.81	92	59	76	-2	185	3037	-77
Bluegrass													
Boone	Cinci./NKY(AP)	0.21	17.89	5.65	-2.20	2.34	91	57	72	-2	151	2511	-49
Boyle	Danville(M)	0.65	15.34	2.71	-7.05	-0.87	88	53	70	-3	145	2435	-211
Fayette	Lexington(AP)	0.47	18.22	1.97	-4.27	-1.91	93	56	73	-2	164	2767	52
Franklin	Frankfort(M)	0.68	17.54	1.95	-3.26	-1.32	90	52	70	-5	145	2401	-371
Madison	Richmond(M)	0.62	18.49	3.84	-3.90	0.26	90	53	70	-3	145	2374	-272
Mason	Maysville(M)	1.03	16.05	4.72	-5.34	1.08	88	54	70	-4	141	2329	-174
Eastern KY													
Breathitt	Jackson(AP)	0.35	20.08	4.43	-2.95	0.15	89	59	73	-1	159	2644	-70
Harlan	Harlan(M)	0.37	18.57	4.34	-4.35	-0.21	83	53	64	-10	101	1454	-1163
Lawrence	Louisa(M)	0.07	14.38	1.74	-6.30	-2.00	93	53	73	-1	161	2538	14
Pike	Pikeville(M)	0.34	19.84	4.57	-0.84	0.83	82	56	67	-7	122	2049	-475
Pulaski	Somerset(M)	0.48	16.51	3.84	-5.88	0.26	88	51	70	-3	140	2366	-280
Rowan	Morehead(M)	0.66	17.53	2.28	-5.71	-1.82	91	52	71	-2	147	2292	-173

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