



Crop Progress and Condition

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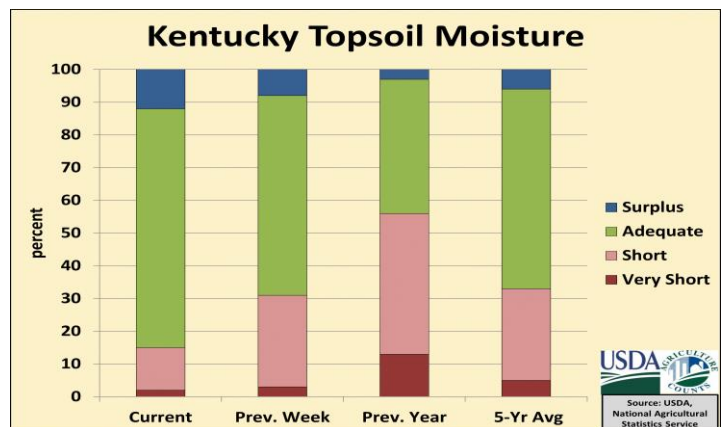
Agricultural News: Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.33 inches, 0.24 inches above normal. Temperatures averaged 75 degrees for the week, 2 degrees below normal. **Topsoil moisture** was rated 2 percent very short, 13 percent short, 73 percent adequate, and 12 percent surplus. **Subsoil moisture** was rated 2 percent very short, 13 percent short, 75 percent adequate, and 10 percent surplus. Days suitable for fieldwork averaged 4.4 out of a possible seven.

Primary activities for this week included monitoring field crops, spraying, topping tobacco, and cutting hay. The state saw a good deal of rain this week with historic flooding in the western portion. In areas where there was a state of emergency, damage is still being assessed. Crops in bottoms and low-lying areas may have been washed out. Weather cleared up by the weekend, but for many, any work in the fields was stymied. Seventy-three percent of corn is silking at this juncture. Corn in the milk stage is at 39 percent and 26 percent of the crop is doughing. Just 2 percent of corn is in the dent stage. The condition of the crop remains mostly good. Fifty percent of soybeans are blooming, with 29 percent setting pods. The condition of soybeans continues to be mostly good. Twenty-eight percent of tobacco is blooming as condition is mostly good. Despite uncooperative weather, 12 percent of tobacco has been topped. Some tobacco is damaged from heavy rain and hail.

Pasture condition has improved some overall aided by recent rain. With that said, in some areas torrential rain may be a detriment.

SOIL MOISTURE for week ending 07/23/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	13	73	12
Subsoil	2	13	75	10



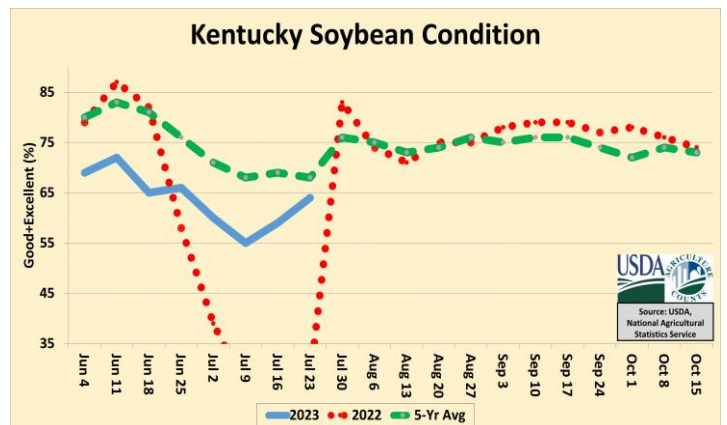
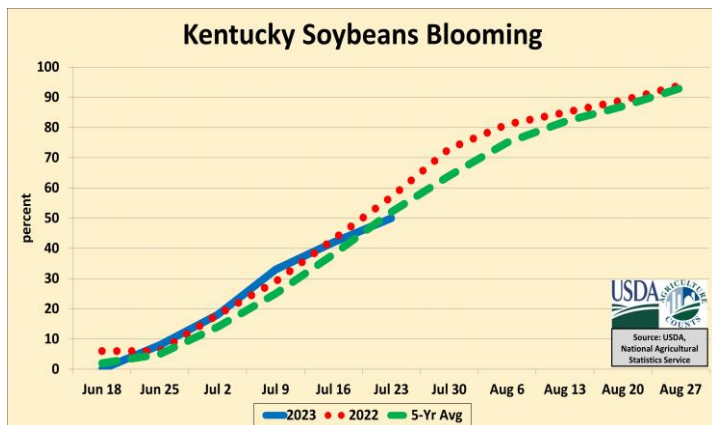
CROP PROGRESS for week ending 07/23/23

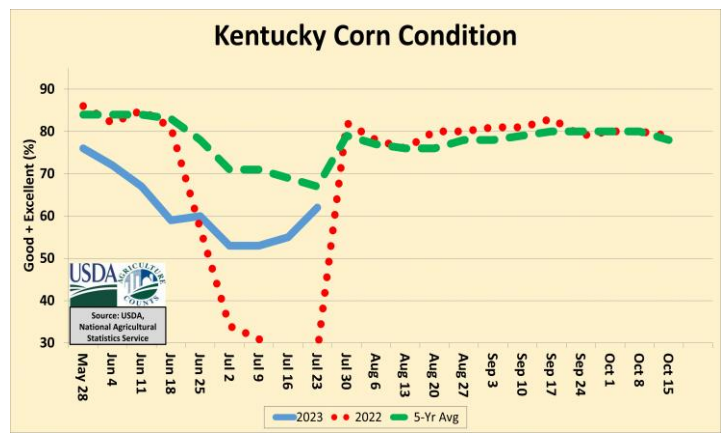
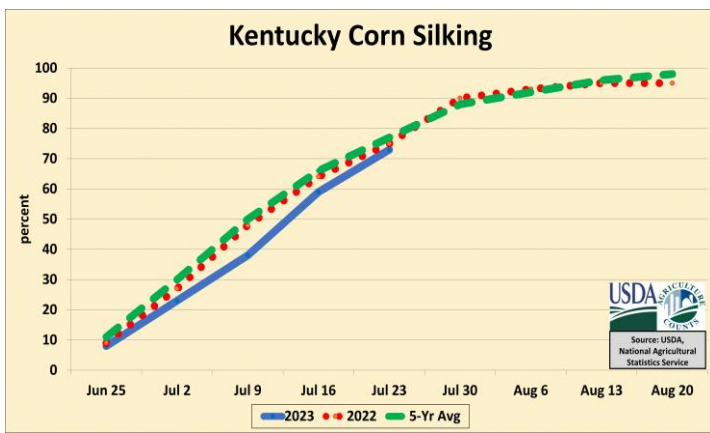
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	73	59	75	77
Corn Milked	39	28	39	45
Corn Dough	26	11	22	24
Corn Dent	2	-1	3	5
Soybeans Blooming	50	42	57	52
Soybeans Setting Pods	29	20	29	28
Tobacco Blooming	28	18	39	42
Tobacco Topped	12	3	14	18

-1 Represents not available.

CROP CONDITIONS for week ending 07/23/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	6	30	53	9
Pasture	2	5	21	65	7
Soybeans	1	6	29	57	7
Tobacco Set	2	6	25	60	7





**Kentucky Climate Summary
For the Period July 17, 2023 to July 23, 2023**

Below Normal Temperatures and Above Normal Rainfall:

The Bluegrass State saw a very active pattern this past week and was unfortunately headlined by a historic flooding event across Western Kentucky. A large portion of this area saw 5 – 10 + inches of rain on Tuesday night and into Wednesday with repetitive rounds of storms and very high rainfall rates (2-3 inches per hour). One of the highest totals, 11.28 inches, was recorded at the Kentucky Mesonet station in Mayfield, KY. Preliminarily speaking, this would break the state record for most rainfall within a 24-hour period. This event was in addition to several other rounds of showers and storms Monday thru Thursday. Outside of Western KY, higher accumulations of 2+ inches were more hit and miss across the state. Mostly dry conditions returned from Friday, onwards, with lower humidity and slightly cooler temperatures.

Temperatures for the period averaged 75 degrees across the state which was 2 degrees cooler than normal and no change to the previous period. High temperatures averaged from 85 in the West to 83 in the East. Departure from normal high temperatures ranged from 4 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. Low temperatures averaged from 67 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to near normal in the East. The extreme high temperature for the period was 92 degrees at BOWLING GREEN APT and the extreme low was 57 degrees at SOMERSET AWOS.

Precipitation (liq. equ.) for the period totaled 1.33 inches statewide which was 0.24 inches above normal and 122% of normal. Precipitation totals by climate division, West 1.92 inches, Central 0.96 inches, Bluegrass 1.58 inches and East 0.85 inches, which was 0.93, -0.09, 0.48 and -0.37 inches respectively from normal. By station, precipitation totals ranged from a low of 0.17 inches at CALHOUN 5NW to a high of 11.78 inches at Mayfield 6SW.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/23/23 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)	2.41	15.87	7.68	-1.90	3.61	86	62	75	-3	176	2006	-216
Christian	Hopkinsville(M)	1.87	14.57	4.18	-3.59	-0.25	88	62	75	-3	176	2032	-186
Daviess	Owensboro(AP)	0.35	12.44	6.48	-4.51	2.74	88	62	76	-1	181	2142	-8
Fulton	Hickman(M)	2.12	13.62	4.44	-4.21	0.41	89	61	76	-3	184	2223	-96
Marshall	Benton(M)	3.79	13.86	5.80	-6.28	1.52	88	62	75	-3	180	2092	-193
McCracken	Paducah(AP)	8.00	18.26	9.32	0.43	5.29	91	63	77	-2	190	2341	22
McLean	Calhoun(M)	0.17	17.63	8.82	-1.46	4.12	87	61	74	-5	174	1958	-421
Todd	Elkton(M)	2.01	14.00	5.72	-4.16	1.29	89	61	75	-3	180	1999	-219
Union	Morganfield(M)	0.45	12.22	5.64	-4.73	1.90	88	62	76	-1	184	2090	-60
Central KY													
Barren	Glasgow(M)	0.73	15.37	4.12	-3.51	-0.35	89	62	75	-2	176	1906	-173
Breckinridge	Hardinsburg(M)	0.97	15.01	6.80	-4.30	2.81	88	61	74	-3	174	1880	-164
Clinton	Albany(M)	1.58	15.20	3.66	-4.17	-1.05	88	60	73	-2	162	1794	-30
Hardin	Elizabethtown(M)	0.48	16.03	3.46	-3.28	-0.53	87	60	74	-3	172	1861	-183
Hart	Munfordville(M)	0.96	17.02	4.98	-1.66	0.42	86	62	74	-5	174	1886	-491
Jefferson	Louisville(AP)	0.89	14.98	4.48	-2.23	0.82	89	68	79	0	200	2251	-66
Taylor	Campbellsville(M)	0.81	13.22	3.13	-5.29	-1.08	85	59	74	-2	171	1802	-219
Warren	Bowling_Green(AP)	0.47	13.20	5.74	-4.46	1.67	92	65	79	0	200	2235	-56
Bluegrass													
Boone	Cinci./NKY(AP)	1.83	12.24	4.15	-4.54	0.59	86	61	74	-1	169	1811	-32
Boyle	Danville(M)	1.38	12.63	3.98	-6.18	-0.90	85	60	74	0	169	1748	-202
Fayette	Lexington(AP)	1.75	16.25	8.51	-2.36	3.93	88	62	77	0	187	2006	30
Franklin	Frankfort(M)	1.88	15.59	6.20	-1.94	1.89	85	60	74	-2	170	1711	-308
Madison	Richmond(M)	1.18	14.65	5.99	-4.16	1.11	87	60	73	-1	167	1686	-264
Mason	Maysville(M)	1.47	11.33	5.21	-6.42	0.90	86	60	72	-3	160	1670	-120
Eastern KY													
Breathitt	Jackson(AP)	1.59	15.65	5.61	-3.10	0.93	86	63	75	0	174	1936	-66
Harlan	Harlan(M)	0.36	14.23	4.64	-4.14	-0.29	73	56	65	-10	105	1003	-901
Lawrence	Louisa(M)	1.03	12.64	3.48	-4.30	-1.25	90	61	75	0	175	1803	-15
Pike	Pikeville(M)	0.97	15.27	5.12	-1.67	0.39	80	58	69	-6	139	1477	-341
Pulaski	Somerset(M)	0.97	12.67	3.42	-6.14	-1.46	87	57	73	-1	165	1700	-250
Rowan	Morehead(M)	1.07	15.25	5.50	-3.89	0.16	87	58	73	-1	165	1622	-159

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