



Crop Progress and Condition

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U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: July 17, 2023

Issue: 20-23

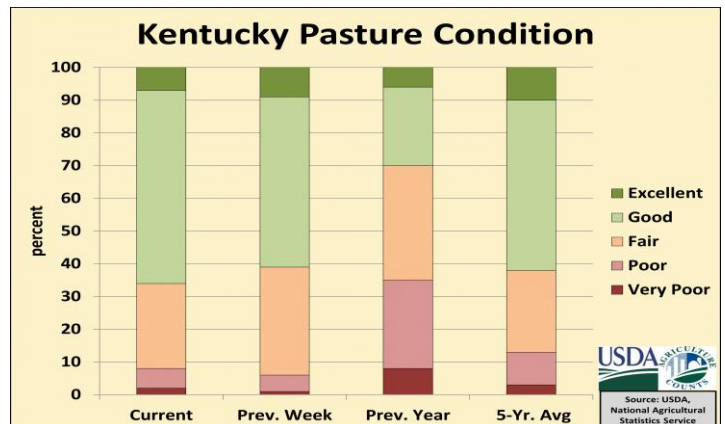
Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.51 inches, 0.57 inches below normal. Temperatures averaged 76 degrees for the week, 1 degree below normal. **Topsoil moisture** was rated 3 percent very short, 28 percent short, 61 percent adequate, and 8 percent surplus. **Subsoil moisture** was rated 4 percent very short, 27 percent short, 59 percent adequate, and 10 percent surplus. Days suitable for fieldwork averaged 5.5 out of a possible seven.

Primary activities for this week included monitoring field crops, spraying, topping tobacco, and cutting hay. A mostly dry week gave way to spotty showers as the weekend arrived for much of the state. For some, the recent rain has improved yield outlook for corn and soybeans. There were areas hit with heavy downpours and localized flooding. A few areas that were in dire need of rain, received some finally. With that said, there are pockets that continue to miss rain events. Within these areas there are reports of lack of pollination in corn. Fifty-nine percent of corn is silking at this juncture. Corn in the milk stage is at 28 percent as 11 percent of the crop is doughing. The condition of the crop remains mostly good. Forty-two percent of soybeans are blooming with 20 percent setting pods. The condition of soybeans continues to be mostly good. Eighteen percent of tobacco is blooming as condition is mostly good. Topping has begun, but is still in the early stage. Very little wheat is left to be harvested.

Pasture condition is holding fairly steady as recent rain will aid in rejuvenation. There are producers supplementing with hay in some areas. With hay yields varied, stocks will need to be monitored looking ahead to the winter months.

SOIL MOISTURE for week ending 07/16/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	28	61	8
Subsoil	4	27	59	10



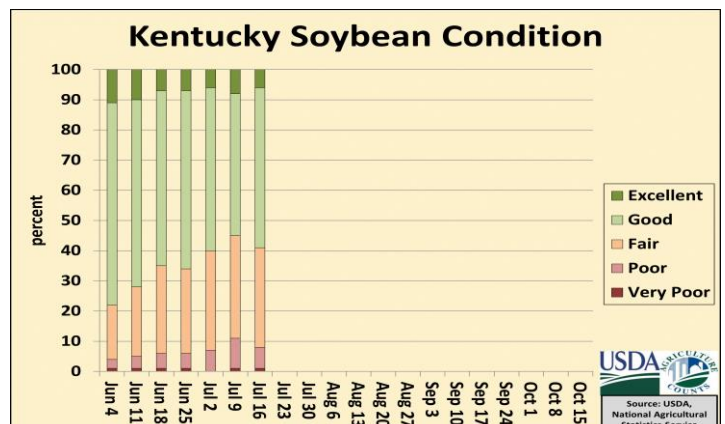
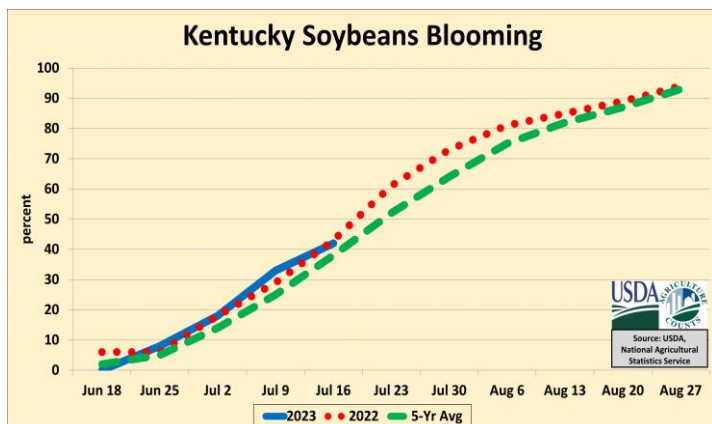
CROP PROGRESS for week ending 07/16/23

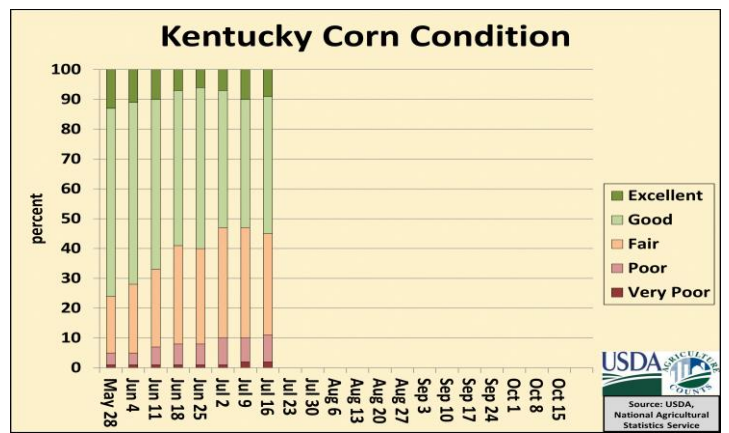
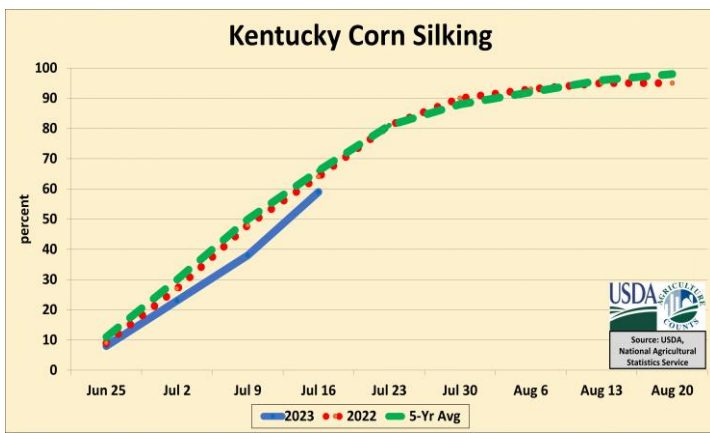
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	59	38	64	66
Corn Milked	28	12	23	30
Corn Dough	11	2	10	11
Soybeans Blooming	42	33	43	38
Soybeans Setting Pods	20	6	14	15
Tobacco Blooming	18	10	23	27
Tobacco Topped	3	-	-1	-1
Winter Wheat Harvested	99	89	-1	-1

CROP CONDITIONS for week ending 07/16/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	9	34	46	9
Pasture	2	6	26	59	7
Soybeans	1	7	33	53	6
Tobacco Set	3	8	24	60	5

- Represents zero.
-1 Represents data not available.





**Kentucky Climate Summary
For the Period July 10, 2023 to July 16, 2023**

Below Normal Temperatures and Rainfall:

Mostly dry conditions were the norm through Thursday with increasing temperatures and humidity. Showers and storms re-entered the picture on Thursday and remained hit and miss through Saturday. Some saw one inch+ (localized bouts of flooding), but others saw less than a tenth of an inch. One of the areas that has missed out on much of the precipitation over recent weeks has been northern portions of the Purchase region in Western KY. Parts of Ballard, McCracken, Carlisle, Livingston, and Crittenden Counties were all downgraded into a 'Severe drought' in the latest update of the U.S. Drought Monitor last Thursday (7/13). Luckily, the latter two counties saw some significant rainfall on Saturday.

Temperatures for the period averaged 76 degrees across the state which was 1 degree cooler than normal and no change to the previous period. High temperatures averaged from 87 in the West to 85 in the East. Departure from normal high temperatures ranged from 2 degrees cooler than normal in the West to 1 degree cooler than normal in the East. Low temperatures averaged from 66 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 3 degrees cooler than normal in the West to near normal in the East. The extreme high temperature for the period was 94 degrees at BOWLING GREEN APT and the extreme low was 55 degrees at HAZARD AWOS.

Precipitation (liq. equ.) for the period totaled 0.51 inches statewide which was 0.57 inches below normal and 47% of normal. Precipitation totals by climate division, West 0.52 inches, Central 0.47 inches, Bluegrass 0.63 inches and East 0.40 inches, which was 0.48, 0.58, 0.44 and 0.81 inches below normal. By station, precipitation totals ranged from a low of 0.01 inches at JACKSON 3SE to a high of 1.92 inches at CARLISLE 5SW.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/16/23 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)	0.40	13.46	6.21	-3.30	2.11	88	58	75	-3	179	1829	-193
Christian	Hopkinsville(M)	0.13	12.70	3.68	-4.37	-0.68	89	60	76	-2	184	1855	-159
Daviess	Owensboro(AP)	0.24	12.09	7.67	-3.98	3.88	92	61	78	0	194	1961	6
Fulton	Hickman(M)	0.32	11.50	2.64	-5.36	-1.46	89	59	76	-3	184	2039	-72
Marshall	Benton(M)	1.00	10.07	2.96	-9.05	-1.53	90	57	76	-2	188	1911	-169
McCracken	Paducah(AP)	0.19	10.26	1.70	-6.60	-2.40	93	59	79	0	202	2151	40
McLean	Calhoun(M)	1.33	17.46	9.85	-0.53	5.06	90	58	75	-4	179	1783	-389
Todd	Elkton(M)	0.55	11.99	4.31	-5.08	-0.05	90	57	76	-2	186	1818	-196
Union	Morganfield(M)	1.86	11.77	5.75	-4.30	1.96	94	59	78	0	196	1906	-49
Central KY													
Barren	Glasgow(M)	0.46	14.64	7.65	-3.06	3.26	90	59	76	-1	183	1729	-154
Breckinridge	Hardinsburg(M)	1.07	14.04	7.67	-4.33	3.51	90	59	75	-2	179	1706	-142
Clinton	Albany(M)	0.04	13.62	4.16	-4.63	-0.61	90	57	74	-1	172	1632	-13
Hardin	Elizabethtown(M)	0.35	15.55	8.79	-2.82	4.63	90	59	75	-2	177	1689	-159
Hart	Munfordville(M)	0.60	16.06	8.55	-1.49	4.02	90	60	76	-3	183	1712	-457
Jefferson	Louisville(AP)	0.34	14.09	5.95	-2.20	2.21	93	64	80	0	211	2051	-56
Taylor	Campbellsville(M)	0.22	12.41	5.22	-5.06	0.90	90	58	75	-1	177	1630	-205
Warren	Bowling_Green(AP)	1.33	12.73	6.09	-4.02	1.86	94	57	78	-1	199	2036	-46
Bluegrass													
Boone	Cinci./NKY(AP)	0.27	10.41	2.85	-5.52	-0.97	89	59	75	0	178	1642	-19
Boyle	Danville(M)	0.08	11.25	4.52	-6.43	-0.52	89	57	74	0	173	1578	-194
Fayette	Lexington(AP)	0.14	14.50	8.52	-2.90	4.03	92	57	77	0	190	1819	31
Franklin	Frankfort(M)	0.49	13.71	7.47	-2.71	3.23	89	56	74	-2	170	1541	-287
Madison	Richmond(M)	0.12	13.47	8.64	-4.21	3.60	89	56	74	0	170	1519	-253
Mason	Maysville(M)	1.15	9.86	4.75	-6.64	0.77	89	56	74	-1	171	1509	-98
Eastern KY													
Breathitt	Jackson(AP)	0.16	14.06	4.98	-3.53	0.22	90	62	76	0	183	1762	-59
Harlan	Harlan(M)	0.41	13.87	5.00	-3.35	-0.07	78	56	67	-8	119	898	-823
Lawrence	Louisa(M)	0.17	11.61	2.90	-4.17	-1.84	94	59	76	1	187	1627	-12
Pike	Pikeville(M)	1.70	14.30	4.54	-1.48	-0.20	81	59	71	-3	151	1337	-302
Pulaski	Somerset(M)	0.04	11.70	3.87	-5.98	-1.17	89	55	73	-1	165	1535	-237
Rowan	Morehead(M)	1.30	14.18	6.37	-3.59	1.24	89	58	73	-1	165	1456	-149

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