



# 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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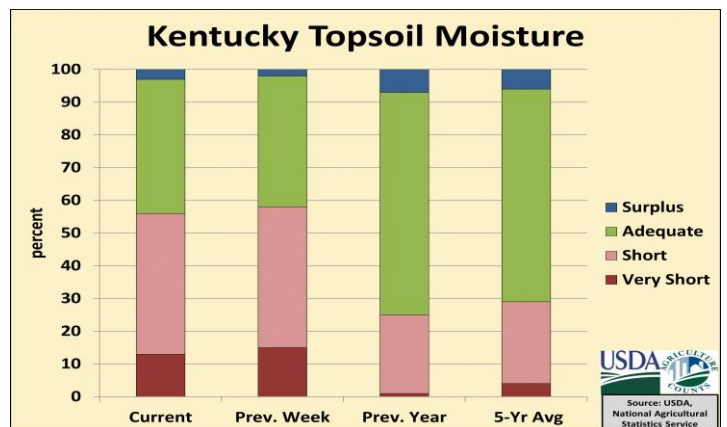
**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.39 inches, 0.43 inches above normal. Temperatures averaged 80 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 13 percent very short, 43 percent short, 41 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated 14 percent very short, 42 percent short, 42 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible seven.

Primary activities for this week included spraying, cutting hay, topping tobacco, and monitoring field crops. A good portion of the state received much needed rain this past week. The exception would be the western part of the state which remains very dry. In this area of the state, drought is being exacerbated by intense heat. Corn is 76 percent silking while 41 percent of the crop is in the milk stage. Twenty-four percent of corn is doughing at this juncture with 4 percent in the dent stage. Corn condition continues to decline as the western portion of the state battles drought. There is growing concern for yields as the adverse weather has disrupted pollination. There have been many reports of possible low yielding corn and fear that even recent rain won't do much to improve the crop at this point. It is of note that late planted corn has been helped by recent rain in some areas. Fifty-nine percent of soybeans are blooming with 31 percent of the crop setting pods. The overall condition of the soybean crop has improved slightly thanks to recent precipitation. With that said, some soybeans have a poor stand as heat and drought have taken a toll. Tobacco is 42 percent blooming at this time as 16 percent of the crop has been topped. The condition of tobacco remains fair as many producers have irrigated to mitigate damage from drought.

Pasture condition improved slightly with recent rain. Regrowth is still slow and hay is being used to supplement grazing. In addition to feeding hay, many cattle producers have been relegated to alternate water sources with ponds getting low. Second hay cuttings have been low yielding in areas that are very dry.

**SOIL MOISTURE for week ending 07/24/22**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	13	43	41	3
Subsoil	14	42	42	2



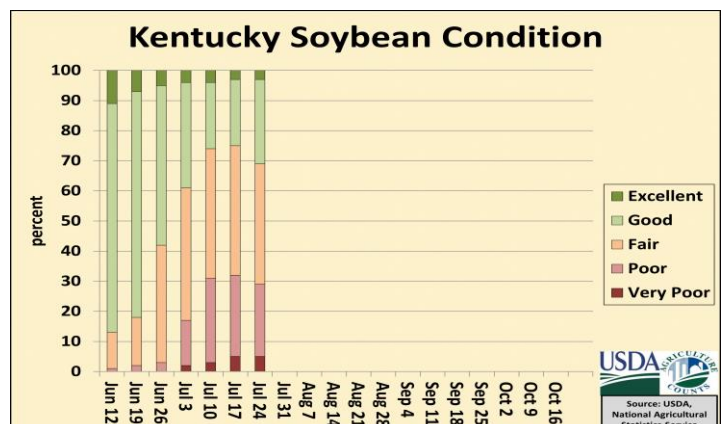
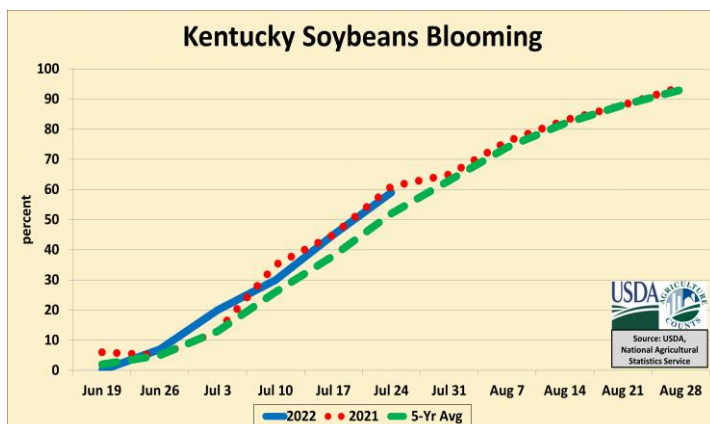
**CROP PROGRESS for week ending 07/24/22**

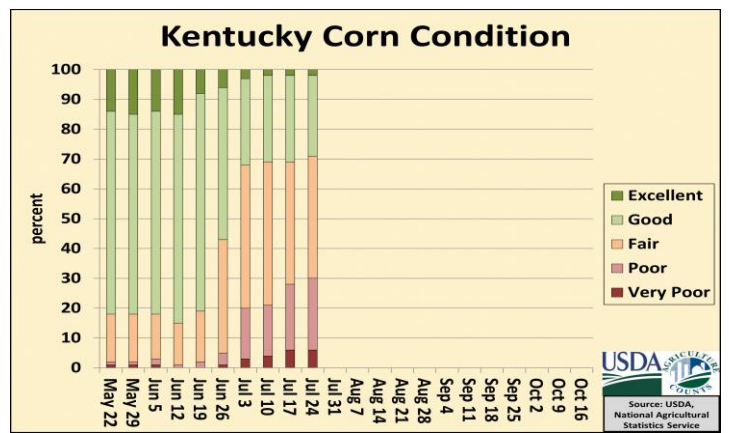
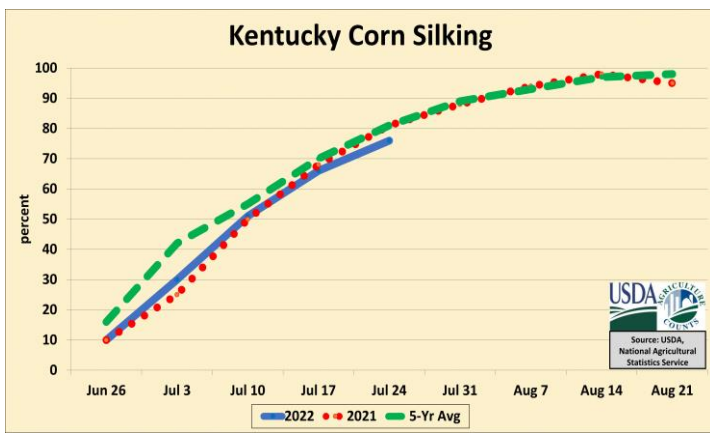
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	76	66	81	81
Corn Milked	41	24	49	50
Corn Dough	24	11	22	27
Corn Dent	4	-1	4	6
Soybeans Blooming	59	45	61	52
Soybeans Setting Pods	31	16	38	30
Tobacco Blooming	42	24	43	45
Tobacco Topped	16	4	14	22

-1 Represents not available.

**CROP CONDITIONS for week ending 07/24/22**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	7	24	41	26	2
Pasture	6	26	38	24	6
Soybeans	5	25	42	25	3
Tobacco Set	2	14	44	38	2





**Kentucky Climate Summary  
For the Period July 18, 2022 to July 24, 2022**

Above Normal Temperatures and Rainfall:

Following a dry month of June and start of July, the tide has started to turn over recent weeks. In fact, over the past 21 days, data at the Ag Weather Center shows the state has averaged 3.57 inches, which is just over a half inch above normal. 1.39 of that 3.57-inch average fell this past week behind a couple rounds of storms, one coming early on Monday and the other on Wednesday evening. A large portion of Central and SE KY saw more than 2 inches. The one exception to the higher totals continues to be portions of Western KY, which saw severe drought conditions expanded across the area in the latest update of the U.S. Drought Monitor. Outside of precipitation, heat was oppressive at times with highs peaking in the 90s several days throughout the week.

Temperatures for the period averaged 80 degrees across the state which was 3 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 92 in the West to 87 in the East. Departure from normal high temperatures ranged from 3 degrees warmer than normal in the West to near normal in the East. Low temperatures averaged from 71 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 4 degrees warmer than normal in the East. The extreme high temperature for the period was 101 degrees at CADIZ 4SW and the extreme low was 60 degrees at CADIZ 4SW.

Precipitation (liq. equ.) for the period totaled 1.39 inches statewide which was 0.43 inches above normal and 145% of normal. Precipitation totals by climate division, West 0.74 inches, Central 1.93 inches, Bluegrass 0.99 inches and East 1.90 inches, which was -0.17, 0.95, 0.05 and 0.90 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at HINDMAN 5N to a high of 5.21 inches at BURKESVILLE 3W.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/25/22 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)	0.21	14.11	2.84	-3.80	-1.23	97	62	81	2	220	2277	26
Christian	Hopkinsville(M)	0.17	18.65	2.94	0.34	-1.50	98	64	81	2	219	2284	36
Daviess	Owensboro(AP)	0.10	8.72	1.42	-8.35	-2.30	95	68	82	4	222	2401	223
Fulton	Hickman(M)	0.02	18.66	5.24	0.70	1.23	94	68	81	1	217	2429	80
Marshall	Benton(M)	0.12	17.12	2.21	-3.17	-2.06	97	65	81	2	223	2333	19
McCracken	Paducah(AP)	0.90	17.20	2.00	-0.76	-2.01	96	68	83	3	230	2533	184
McLean	Calhoun(M)	0.91	12.63	3.78	-6.60	-0.89	94	64	79	0	208	2160	-249
Todd	Elkton(M)	0.50	14.25	3.32	-4.06	-1.12	99	60	81	2	220	2293	45
Union	Morganfield(M)	0.06	12.15	3.95	-4.92	0.23	93	67	80	2	215	2302	124
<b>Central KY</b>													
Barren	Glasgow(M)	1.53	16.13	3.33	-2.92	-1.15	93	66	79	1	207	2233	126
Breckinridge	Hardinsburg(M)	0.49	13.37	1.86	-6.06	-2.09	93	64	79	1	209	2177	105
Clinton	Albany(M)	4.79	19.89	7.54	0.37	2.85	90	64	77	1	192	2126	276
Hardin	Elizabethtown(M)	1.83	14.67	6.02	-4.76	2.07	92	63	78	0	198	2150	78
Hart	Munfordville(M)	2.39	10.81	3.22	-8.02	-1.33	93	65	79	0	206	2184	-223
Jefferson	Louisville(AP)	0.92	12.41	3.15	-4.93	-0.50	98	72	85	5	243	2552	205
Taylor	Campbellsville(M)	1.00	12.33	2.92	-6.32	-1.26	92	63	78	1	197	2148	100
Warren	Bowling_Green(AP)	1.17	15.20	4.05	-2.58	0.01	98	69	84	4	235	2569	248
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	0.97	17.74	2.98	0.84	-0.56	92	67	80	4	209	2134	265
Boyle	Danville(M)	0.95	14.28	4.97	-4.69	0.11	92	63	78	3	201	2123	148
Fayette	Lexington(AP)	1.07	12.88	3.37	-5.90	-1.22	94	68	81	4	217	2312	309
Franklin	Frankfort(M)	1.36	15.80	4.91	-1.89	0.60	91	64	78	1	202	2050	3
Madison	Richmond(M)	0.88	14.40	5.02	-4.57	0.16	92	62	76	1	187	2035	60
Mason	Maysville(M)	0.67	15.73	2.30	-2.19	-2.05	97	66	80	4	210	1964	148
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	1.32	15.18	4.73	-3.73	0.07	93	67	78	2	196	2213	185
Harlan	Harlan(M)	2.19	19.49	6.68	0.95	1.77	80	59	68	-7	130	1278	-652
Lawrence	Louisa(M)	1.12	17.26	6.25	0.16	1.52	92	65	77	2	195	2064	221
Pike	Pikeville(M)	1.59	17.88	5.81	0.78	1.08	84	63	73	-2	161	1744	-99
Pulaski	Somerset(M)	1.53	16.47	5.09	-2.50	0.23	91	62	76	1	184	2041	66
Rowan	Morehead(M)	1.38	16.87	4.72	-2.46	-0.64	89	63	76	1	185	1902	96

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)