



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
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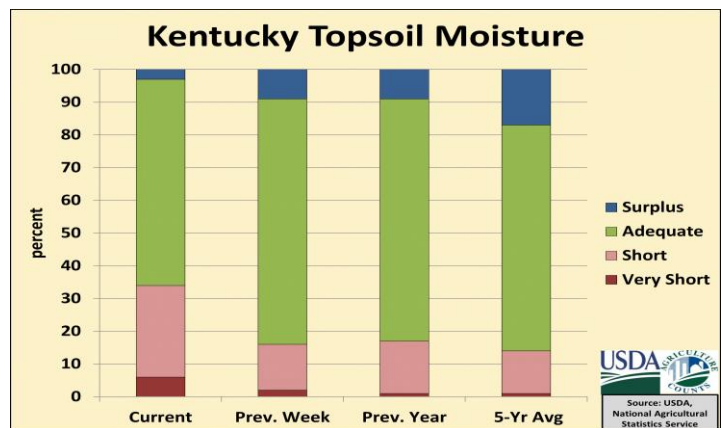
**Agricultural News:** Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.27 inches, 0.73 inches below normal. Temperatures averaged 78 degrees for the week, 5 degrees above normal. **Topsoil moisture** was rated 6 percent very short, 28 percent short, 63 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated 4 percent very short, 26 percent short, 67 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 6.3 out of a possible seven.

Primary activities for this week included planting soybeans, setting tobacco, harvesting wheat, and cutting hay. Weather for this past week was hot and dry for the majority of the state. There were scattered storms, however they were not widespread and did little to help with recent drought. Grain farmers are seeing some heat stress in their crops and the lack of rain is taking a toll. The corn crop is 92 percent emerged and continues to be in mostly good condition. The average height of corn is 28 inches at this juncture, but in some areas the height varies dramatically. Soybean planting is just ahead of last year and the five year average for this point in the season. Seventy-two percent of the soybean crop has emerged. There were reports of soybeans in bad need of rain to begin emergence. Beans remain in mostly good condition despite reports of slug damage. Tobacco setting continues ahead with strong progress from last week. The average height of tobacco is 10 inches at this time. Tobacco condition is mostly good, but has declined slightly as heat and drought persist.

Winter wheat condition declined slightly as 96 percent of the crop is now coloring. There were reports of head scab present. Seventy-four percent of the wheat crop is mature as harvest is underway. Pasture condition is mostly good, but growth has been slowed by recent conditions. Pastures are showing stress as the lack of rain and heat continue to be a detriment. Hay continues to be cut with yields varying greatly. There were reports of hay yields 10-20 percent below expectations.

**SOIL MOISTURE for week ending 06/19/22**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	6	28	63	3
Subsoil	4	26	67	3



**CROP PROGRESS for week ending 06/19/22**

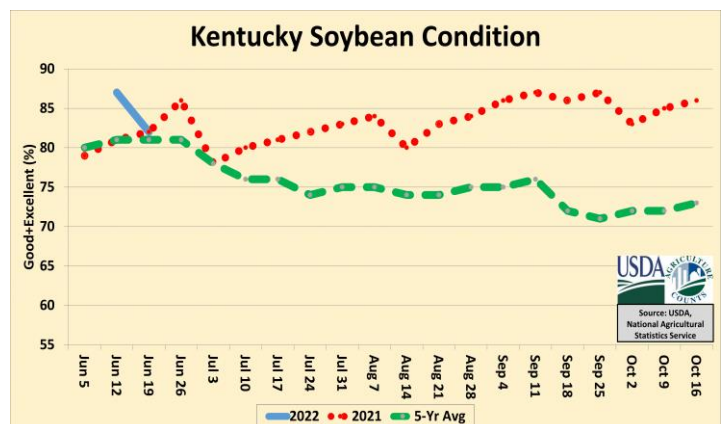
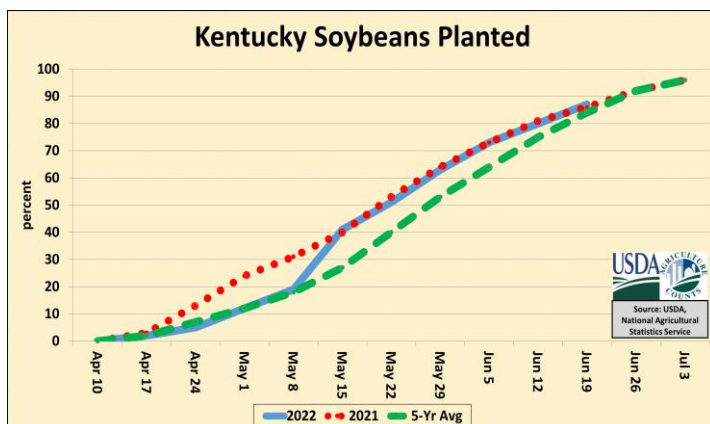
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Emerged	92	86	97	95
Soybeans Planted	87	80	86	84
Soybeans Emerged	72	65	71	69
Tobacco Set	84	72	88	86
Winter Wheat Coloring	96	85	92	-1
Winter Wheat Mature	74	45	65	-1
Winter Wheat Harvested	40	-1	-1	-1

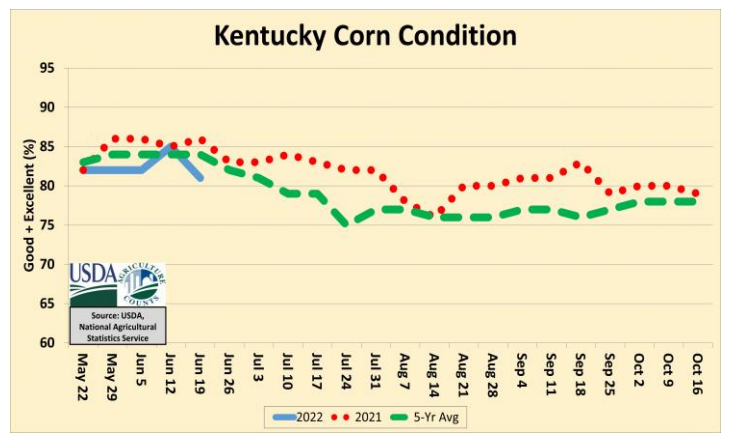
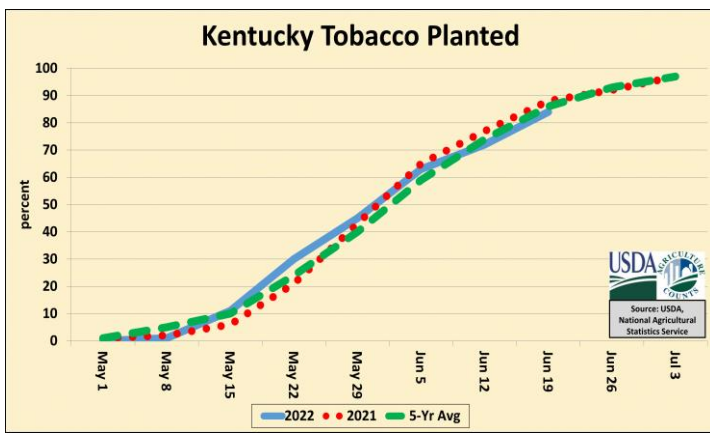
**CROP CONDITIONS for week ending 06/19/22**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	-	2	17	73	8
Pasture	1	7	26	56	10
Soybeans	-	2	16	75	7
Tobacco Set	2	4	21	64	9
Wheat	-	1	11	79	9

- Represents zero.

- Represents data not available.





**Kentucky Climate Summary**  
**For the Period June 13, 2022 to June 19, 2022**

Above Normal Temperatures and Below Normal Rainfall:

Kentucky saw the first sweltering heat wave of the summer over the course of the workweek. The heat was most oppressive early in the week with highs jumping into the mid to upper 90s. Combined with dew points in the middle 70s to around 80, heat indices peaked in the 105 to 115 range. The livestock heat stress index rose into the emergency category each day and unfortunately, there was little room for recovery at night. The only rain fell on Friday with some strong storms passing through the region, capable of producing heavy rain and damaging winds. Unfortunately, significant accumulations were hit or miss. While some topped three quarters of an inch, others saw nothing. The lack of rain is becoming an issue with most of the state running 1 to 2 inches below normal over the past two weeks. Combined with extreme heat and high evapotranspiration rates, stream flows are running below normal and shallow soil moisture is diminishing.

Temperatures for the period averaged 78 degrees across the state which was 5 degrees warmer than normal and 6 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 87 in the East. Departure from normal high temperatures ranged from 4 degrees warmer than normal in the West to 4 degrees warmer than normal in the East. Low temperatures averaged from 71 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 7 degrees warmer than normal in the West to 8 degrees warmer than normal in the East. The extreme high temperature for the period was 98 degrees at BOWLING GREEN APT and the extreme low was 44 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 0.27 inches statewide which was 0.73 inches below normal and 27% of normal. Precipitation totals by climate division, West 0.38 inches, Central 0.12 inches, Bluegrass 0.29 inches and East 0.28 inches, which was 0.59, 0.88, 0.73 and 0.74 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BOONEVILLE 2S to a high of 1.74 inches at MARION 4NE.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 06/19/22 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)	0.77	11.09	3.62	-1.72	-0.57	96	54	79	4	209	1271	1
Christian	Hopkinsville(M)	0.45	15.71	3.07	2.86	-1.04	92	55	78	2	200	1276	31
Daviess	Owensboro(AP)	0.66	7.23	2.42	-5.18	-1.48	98	58	82	7	223	1353	137
Fulton	Hickman(M)	0.00	13.35	1.17	0.45	-3.00	96	58	82	5	225	1370	47
Marshall	Benton(M)	0.13	14.74	2.43	-0.07	-2.73	95	55	80	4	212	1304	-5
McCracken	Paducah(AP)	0.50	14.68	2.69	1.78	-1.48	98	57	83	6	230	1450	127
McLean	Calhoun(M)	0.90	8.75	2.59	-4.61	-1.96	98	52	79	2	209	1211	-176
Todd	Elkton(M)	0.00	10.93	3.48	-1.92	-0.63	95	50	79	3	204	1255	10
Union	Morganfield(M)	0.07	7.98	2.05	-4.43	-1.85	97	54	80	5	216	1311	95
<b>Central KY</b>													
Barren	Glasgow(M)	0.00	12.78	3.82	-0.68	-0.79	93	53	78	4	202	1241	90
Breckinridge	Hardinsburg(M)	0.24	11.1	3.25	-3.26	-1.40	94	55	79	5	205	1210	97
Clinton	Albany(M)	0.01	11.17	4.59	-2.48	0.00	92	54	77	5	191	1187	207
Hardin	Elizabethtown(M)	0.48	8.57	2.32	-5.79	-2.33	96	56	79	5	204	1194	81
Hart	Munfordville(M)	0.16	7.59	2.98	-5.58	-1.52	93	55	78	2	201	1177	-208
Jefferson	Louisville(AP)	0.01	9.26	2.97	-3.43	-1.06	97	61	83	6	234	1444	127
Taylor	Campbellsville(M)	0.40	9.41	3.81	-3.9	-0.76	93	53	77	3	193	1201	65
Warren	Bowling_Green(AP)	0.01	11.15	4.90	-1.51	0.73	98	55	83	7	231	1444	144
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	0.00	14.56	3.07	2.29	-1.29	94	57	80	7	207	1163	186
Boyle	Danville(M)	0.00	9.26	3.34	-3.56	-1.12	92	53	78	5	196	1180	79
Fayette	Lexington(AP)	0.17	9.5	3.19	-3.57	-1.57	95	59	80	6	213	1292	208
Franklin	Frankfort(M)	0.46	10.71	3.49	-1.61	-0.49	93	49	77	3	190	1141	31
Madison	Richmond(M)	0.00	9.02	2.02	-3.8	-2.44	96	46	77	4	190	1129	28
Mason	Maysville(M)	0.57	13.29	6.71	0.63	2.31	91	48	76	4	183	1059	135
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	0.45	9.02	2.45	-3.98	-2.29	96	53	78	5	198	1269	130
Harlan	Harlan(M)	0.27	11.64	4.11	-0.69	-0.01	81	45	68	-4	127	648	-390
Lawrence	Louisa(M)	0.44	9.74	2.76	-1.46	-1.48	96	47	76	4	188	1149	178
Pike	Pikeville(M)	0.49	10.31	4.27	-0.89	0.03	86	47	71	0	151	980	9
Pulaski	Somerset(M)	0.00	11.27	3.43	-1.55	-1.03	92	51	77	4	190	1118	17
Rowan	Morehead(M)	0.69	12.03	5.31	-0.77	0.96	92	47	75	3	177	1059	114

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](http://weather.uky.edu/climate_normals.php)