



Crop Progress and Condition

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Cooperative Extension Service

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Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.34 inches, 0.78 inches below normal. Temperatures averaged 68 degrees for the week, 5 degrees below normal. **Topsoil moisture** was rated 12 percent very short, 53 percent short, and 35 percent adequate. **Subsoil moisture** was rated 9 percent very short, 48 percent short, and 43 percent adequate. Days suitable for fieldwork averaged 6.2 out of a possible seven.

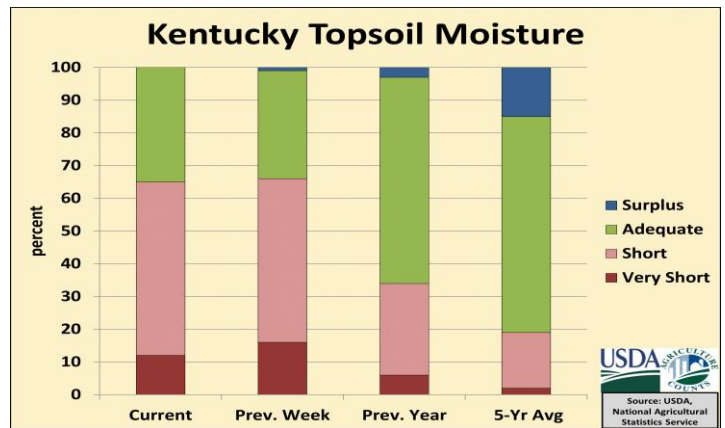
Primary activities for this week included planting soybeans and tobacco along with cutting hay. Wheat harvest has begun, however much of the crop is still in the ground. With a mostly dry week, farmers continued strong progress in the fields. Some rain arrived Sunday evening as conditions have been very dry throughout the state. There have been reports of corn curling up as a result of recent conditions. Late planted soybeans have struggled to emerge as the soil has dried and hardened. The average height of corn is 28 inches with 97 percent of the crop emerged. The condition of corn is mostly good, but drought has put stress on the crop. Soybean planting continues to move along ahead of last year and the five year average with 79 percent of the crop emerged. The condition of soybeans is mostly good. Tobacco setting is progressing steadily with little rain interruption. The condition of tobacco set is mostly good with the average height at 8 inches. Winter wheat condition remains mostly good with 90 percent of the crop coloring. Seventy-eight percent of the wheat crop is mature as harvest is getting underway.

Pasture ground is struggling as continued drought has taken a toll. Recent rain should ease stress and aid regrowth. Many farmers are supplementing with hay and greatly need pastures to thicken. Hay yields vary greatly, but some have been very low.

SOIL MOISTURE for week ending 06/18/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	12	53	35	-
Subsoil	9	48	43	-

- Represents zero.



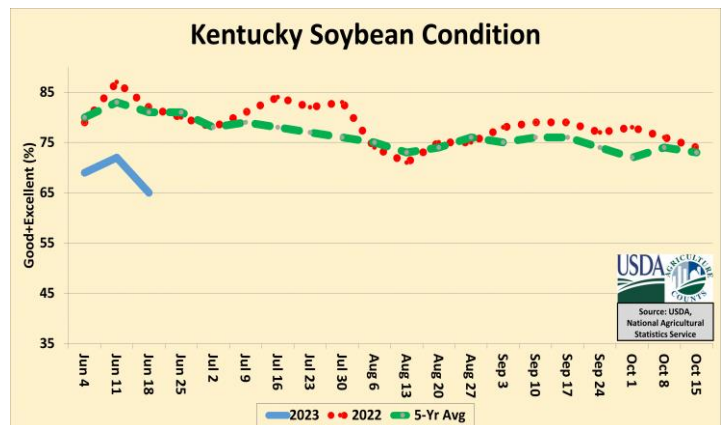
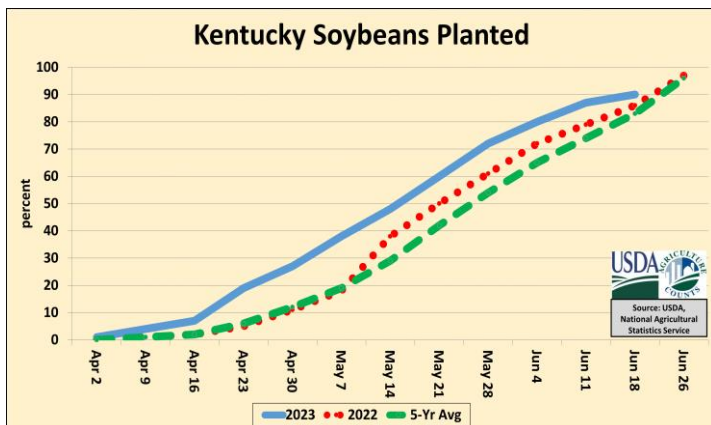
CROP PROGRESS for week ending 06/18/23

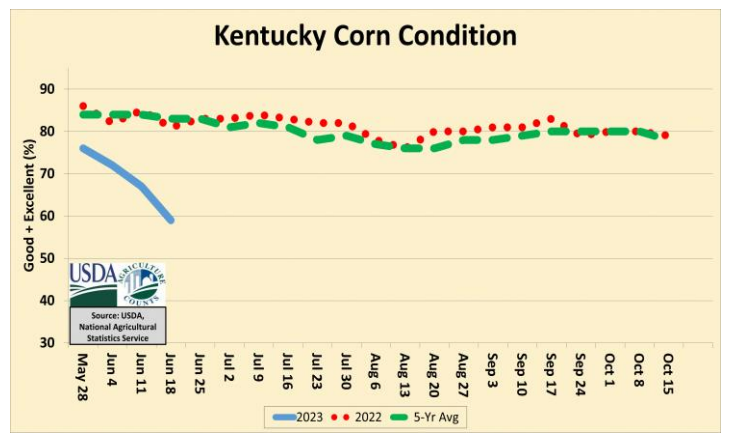
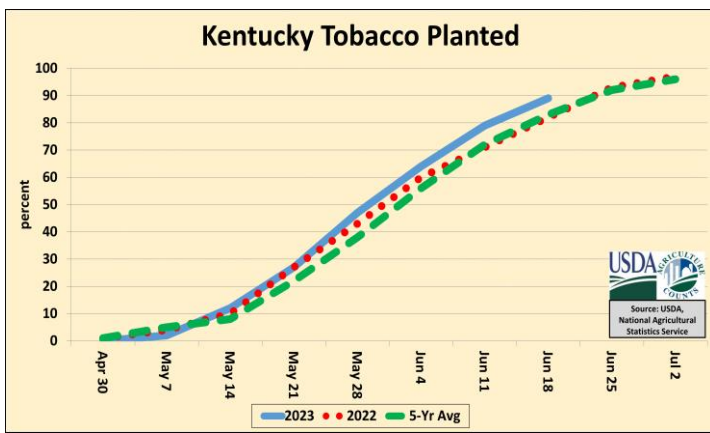
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Emerged	97	94	91	94
Soybeans Planted	90	85	86	83
Soybeans Emerged	79	73	71	68
Tobacco Set	89	79	82	83
Winter Wheat Coloring	90	85	94	-1
Winter Wheat Mature	78	47	70	-1
Winter Wheat Harvested	20	4	-1	-1

-1 Represents not available.

CROP CONDITIONS for week ending 06/18/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	7	33	52	7
Pasture	5	16	44	33	2
Soybeans	1	5	29	58	7
Tobacco Set	1	2	13	82	2
Wheat	1	2	20	59	18





Kentucky Climate Summary
For the Period June 12, 2023 to June 18, 2023

Below Normal Temperatures and Rainfall:

The Commonwealth saw another mostly dry week. Overall, the state averaged 0.34 inches. Looking only at Western KY, that average shrunk to 0.06. This area of Kentucky has missed out on any meaningful rainfall over the past month. Looking at the data, Western KY has only averaged 1.31 inches over the past 30 days, which is over 3 inches below normal. This area saw some decent activity Sunday evening and into the overnight, but much of the rain fell after the data cutoff and will be reflected in next week's report. Outside of precipitation, unseasonably cool temperatures and low humidity remained in place. In fact, many dropped into the 40s on Tuesday morning.

Temperatures for the period averaged 68 degrees across the state which was 5 degrees cooler than normal and no change to the previous period. High temperatures averaged from 83 in the West to 78 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. Low temperatures averaged from 58 degrees in the West to 56 degrees in the East. Departure from normal low temperature ranged from 7 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. The extreme high temperature for the period was 93 degrees at PADUCAH ASOS and the extreme low was 45 degrees at HARTFORD 3E.

Precipitation (liq. equ.) for the period totaled 0.34 inches statewide which was 0.78 inches below normal and 30% of normal. Precipitation totals by climate division, West 0.06 inches, Central 0.16 inches, Bluegrass 0.47 inches and East 0.66 inches, which was 0.98, 0.97, 0.66 and 0.51 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 1.83 inches at OWENTON 5E.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/18/23 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)	0.45	7.25	0.64	-5.41	-3.53	89	48	68	-6	131	1104	-140
Christian	Hopkinsville(M)	0.84	9.02	0.93	-3.69	-3.20	89	50	70	-5	140	1131	-87
Daviess	Owensboro(AP)	0.00	4.42	0.12	-7.86	-3.80	89	50	70	-4	142	1212	22
Fulton	Hickman(M)	2.36	8.86	2.58	-3.90	-1.59	90	51	71	-5	147	1263	-33
Marshall	Benton(M)	0.76	7.11	1.30	-7.52	-3.87	90	51	69	-6	137	1147	-136
McCracken	Paducah(AP)	0.02	8.56	0.69	-4.20	-3.48	93	52	73	-3	159	1315	19
McLean	Calhoun(M)	0.02	7.61	0.18	-5.59	-4.37	89	48	68	-8	130	1072	-287
Todd	Elkton(M)	0.27	7.68	0.69	-5.03	-3.44	90	49	69	-6	135	1079	-139
Union	Morganfield(M)	0.10	6.02	0.51	-6.26	-3.41	91	51	70	-4	145	1124	-66
Central KY													
Barren	Glasgow(M)	0.02	6.99	0.37	-6.32	-4.26	86	47	68	-5	129	1028	-98
Breckinridge	Hardinsburg(M)	0.00	6.37	1.02	-7.84	-3.66	86	49	68	-5	128	1018	-70
Clinton	Albany(M)	0.06	9.46	3.27	-4.02	-1.31	85	48	67	-4	119	971	14
Hardin	Elizabethtown(M)	0.00	6.76	0.47	-7.45	-4.21	86	46	68	-5	128	1006	-82
Hart	Munfordville(M)	0.07	7.51	1.55	-5.51	-2.95	85	49	68	-7	127	1015	-343
Jefferson	Louisville(AP)	0.11	8.14	1.34	-4.41	-2.70	86	55	72	-4	153	1261	-28
Taylor	Campbellsville(M)	0.13	7.19	2.31	-5.96	-2.27	84	46	67	-5	122	949	-162
Warren	Bowling_Green(AP)	0.01	6.64	0.63	-5.88	-3.55	89	52	72	-3	157	1253	-20
Bluegrass													
Boone	Cinci./NKY(AP)	0.07	7.56	1.48	-4.55	-2.86	83	50	67	-4	120	959	5
Boyle	Danville(M)	0.06	6.73	1.87	-5.91	-2.56	82	50	66	-5	115	916	-162
Fayette	Lexington(AP)	0.53	5.98	1.34	-6.93	-3.43	85	49	69	-3	134	1088	29
Franklin	Frankfort(M)	0.24	6.24	1.91	-5.94	-2.08	83	46	65	-8	109	885	-201
Madison	Richmond(M)	0.04	4.83	1.07	-7.81	-3.36	84	46	66	-5	113	866	-212
Mason	Maysville(M)	0.26	5.11	0.70	-7.41	-3.73	84	49	66	-5	114	852	-49
Eastern KY													
Breathitt	Jackson(AP)	1.03	9.08	2.89	-3.75	-1.84	82	51	68	-4	125	1089	-27
Harlan	Harlan(M)	0.67	8.87	3.16	-3.28	-0.93	70	45	57	-14	54	486	-529
Lawrence	Louisa(M)	0.43	8.71	2.12	-2.33	-2.09	85	48	67	-4	120	935	-14
Pike	Pikeville(M)	0.69	9.76	4.51	-1.28	0.30	77	50	62	-9	89	802	-147
Pulaski	Somerset(M)	0.41	7.83	3.16	-4.81	-1.27	82	47	66	-5	115	902	-176
Rowan	Morehead(M)	0.16	7.81	1.12	-4.83	-3.24	82	46	64	-6	103	820	-103

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