



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
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Cooperative Extension Service

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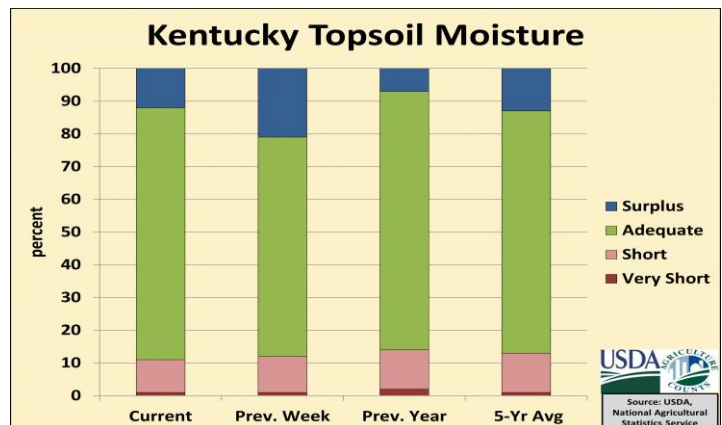
Issue: 12-23

Agricultural News: Kentucky experienced varied precipitation over the past week. Precipitation for the week totaled 1.21 inches, 0.08 inches above normal. Temperatures averaged 66 degrees for the week, near normal. **Topsoil moisture** was rated 1% very short, 10% short, 77% adequate and 12% surplus. **Subsoil moisture** was rated 1% very short, 10% short, 77% adequate, and 12% surplus. Days suitable for fieldwork averaged 4.7 out of a possible seven.

Primary activities this week included planting corn and soybeans, setting tobacco, and cutting hay. Heavy rains in some parts of the state has caused a few crop fields to be drowned out and growers have also noticed more visible water erosion this year. The heavy rains have slowed progress in some areas but have also helped growth in other areas. Despite the heavy rains in some parts of the state, corn progress is ahead of the five-year average with 84% of corn planted and 64% emerged. Soybean progress is also ahead of the five-year average with 60% of soybeans planted and 38% emerged. Tobacco progress is also ahead of the five-year average with 27% of tobacco planted. Tobacco transplant supplies were reported as 5% very short, 6% short, 79% adequate, and 10% surplus. Two percent of tobacco transplants were under 2 inches, with 26 percent between 2-4 inches, and 72 percent over 4 inches. Winter wheat condition has deteriorated slightly with very dry weather in a few areas of the state and heavy rains in other areas. Winter wheat was 92% headed, slightly ahead of the five-year average. Pasture was in mostly good condition and have benefited from the recent rains.

SOIL MOISTURE for week ending 05/28/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	10	77	12
Subsoil	1	10	77	12



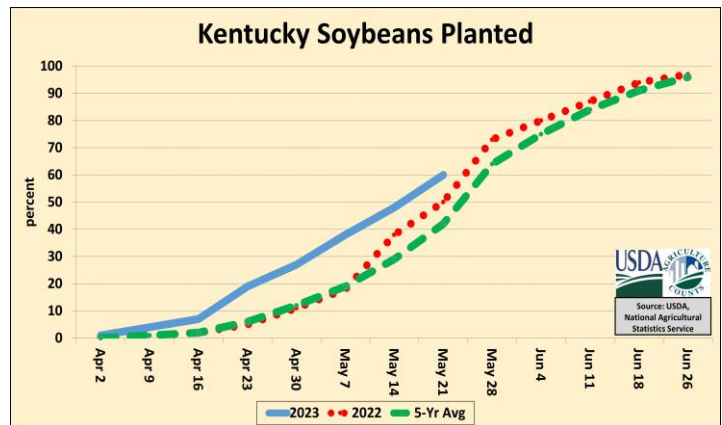
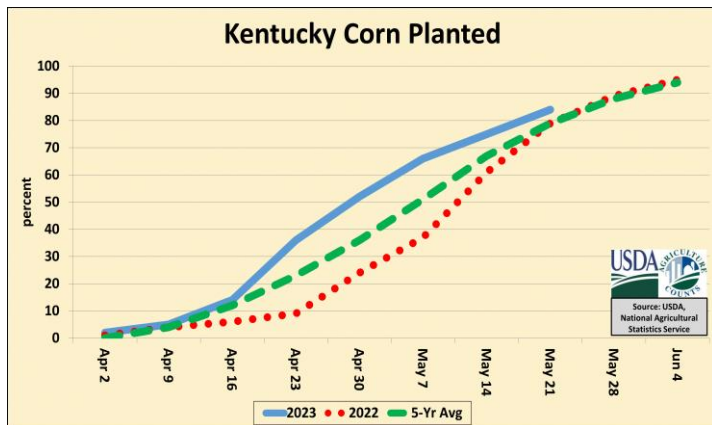
CROP PROGRESS for week ending 05/28/23

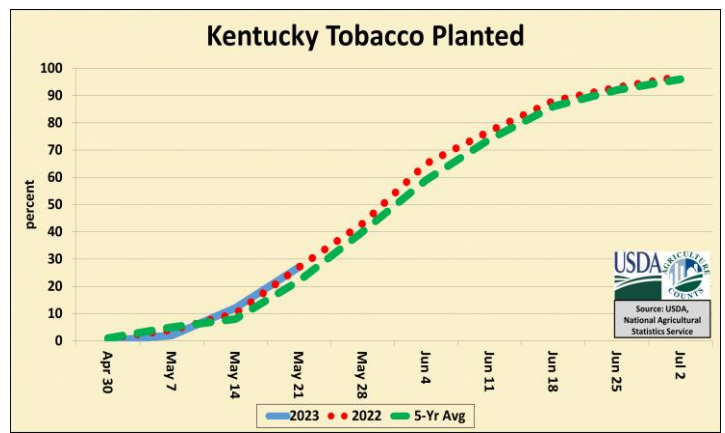
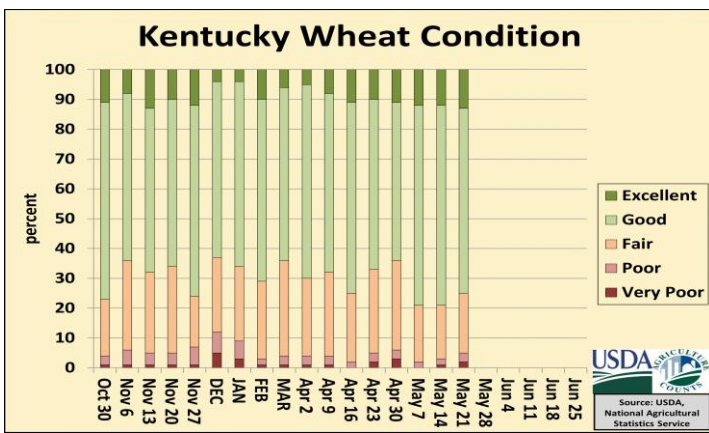
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	84	75	79	79
Corn Emerged	64	47	51	56
Soybeans Planted	60	48	50	42
Soybeans Emerged	38	20	26	22
Tobacco Set	27	12	27	22
Winter Wheat Headed	92	82	89	90

CROP CONDITIONS for week ending 05/28/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Pasture	1	5	25	58	11
Wheat	2	3	20	62	13

-1 Shown when data not available.





Kentucky Climate Summary
For the Period May 15, 2023 to May 21, 2023

Near Normal Temperatures and Slightly Above Normal Rainfall:

The passage of a couple cold fronts, one on Tuesday and the other on Friday night/Saturday, led to a couple significant rounds of rainfall for the Bluegrass State. Altogether, the state averaged 1.21 inches for the week, which was slightly above normal for this time of year. Unfortunately, severe weather accompanied the first round across Eastern KY, leading to some bouts of large hail, damaging winds, and even one tornado in Magoffin County. The latter event was a much-welcomed soaking rainfall. Outside of rainfall, temperatures ran close to normal for the week.

Temperatures for the period averaged 66 degrees across the state which was near normal and 4 degrees cooler than the previous period. High temperatures averaged from 78 in the West to 76 in the East. Departure from normal high temperatures ranged from near normal in the West to near normal in the East. Low temperatures averaged from 59 degrees in the West to 55 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. The extreme high temperature for the period was 86 degrees at BOWLING GREEN APT and the extreme low was 40 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 1.21 inches statewide which was 0.08 inches above normal and 108% of normal. Precipitation totals by climate division, West 1.23 inches, Central 1.20 inches, Bluegrass 1.40 inches and East 1.00 inches, which was 0.13, 0.01, 0.28 and -0.09 inches respectively from normal. By station, precipitation totals ranged from a low of 0.27 inches at JACKSON AIRPORT to a high of 2.30 inches at PADUCAH ASOS.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 05/21/23 7 P.M.^

County	Weather Station	Rainfall			Deviation From		Air Temperatures				2" Weekly Soil Temps		
		Last Week	Since Jan 1	Last Four Wks.	Norm. Since Jan 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.*	Hi	Lo	Avg
		Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Western KY													
Caldwell	Princeton(M)	1.35	21.88	5.00	0.77	0.35	81	51	67	0			
Christian	Hopkinsville(M)	1.61	24.85	6.22	3.90	1.25	83	50	67	0	79	68	74
Daviess	Owensboro(AP)	0.54	17.79	2.98	-1.43	-1.73	81	53	68	0			
Fulton	Hickman(M)	0.71	25.28	2.98	4.10	-1.77	86	54	70	1			
Marshall	Benton(M)	1.97	24.20	3.82	-0.40	-1.44	82	50	67	0	80	66	73
McCracken	Paducah(AP)	2.30	28.09	4.37	6.91	-0.38	84	51	70	1			
McLean	Calhoun(M)	0.68	24.30	5.83	2.42	1.09	79	50	66	-3	87	60	73
Todd	Elkton(M)	0.75	23.47	5.59	2.52	0.62	83	53	68	0			
Union	Morganfield(M)	0.09	21.08	3.75	1.86	-0.96	80	51	66	-1	83	64	74
Central KY													
Barren	Glasgow(M)	1.97	22.34	5.18	0.73	0.19	82	48	66	0	77	63	70
Breckinridge	Hardinsburg(M)	0.85	21.93	3.59	0.34	-2.04	80	48	65	0	83	63	73
Clinton	Albany(M)	0.76	18.61	3.12	-5.85	-1.97	81	51	66	1	80	64	72
Hardin	Elizabethtown(M)	1.03	22.87	5.02	1.28	-0.61	80	49	66	0	71	62	67
Hart	Munfordville(M)	1.31	21.79	3.76	-0.13	-1.09	81	49	67	-1	80	63	71
Jefferson	Louisville(AP)	1.79	21.54	5.14	1.49	0.18	80	52	68	0			
Taylor	Campbellsville(M)	1.06	21.63	2.22	0.41	-2.88	81	49	66	0			
Warren	Bowling_Green(AP)	0.96	19.68	4.44	-1.06	-0.31	86	51	70	2			
Bluegrass													
Boone	Cinci./NKY(AP)	0.42	19.20	3.03	0.67	-1.35	78	46	62	-2			
Boyle	Danville(M)	1.23	20.82	2.85	0.58	-1.97	80	44	64	-1	82	59	71
Fayette	Lexington(AP)	1.31	19.10	2.79	-0.73	-2.07	80	48	66	0			
Franklin	Frankfort(M)	1.85	19.22	3.17	-0.49	-1.61	77	45	63	-2	77	62	70
Madison	Richmond(M)	0.87	17.41	2.23	-2.83	-2.59	80	44	63	-2			
Mason	Maysville(M)	0.92	17.11	2.47	-2.90	-2.13	76	44	61	-2	73	60	67
Eastern KY													
Breathitt	Jackson(AP)	0.97	19.36	3.63	-1.62	-1.06	80	50	66	0			
Harlan	Harlan(M)	0.82	23.59	3.18	2.72	-1.45	69	45	57	-8	72	56	64
Lawrence	Louisa(M)	1.17	18.56	4.37	0.63	0.40	80	45	63	0			
Pike	Pikeville(M)	1.11	17.52	3.64	-0.41	-0.33	75	48	61	-2			
Pulaski	Somerset(M)	0.68	17.90	1.96	-2.34	-2.86	82	49	65	0			
Rowan	Morehead(M)	1.90	18.97	5.17	-1.17	0.37	78	45	62	-1			

Climate narrative and data table provided by the 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