



# Crop Progress and Condition

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Univ. of KY – Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
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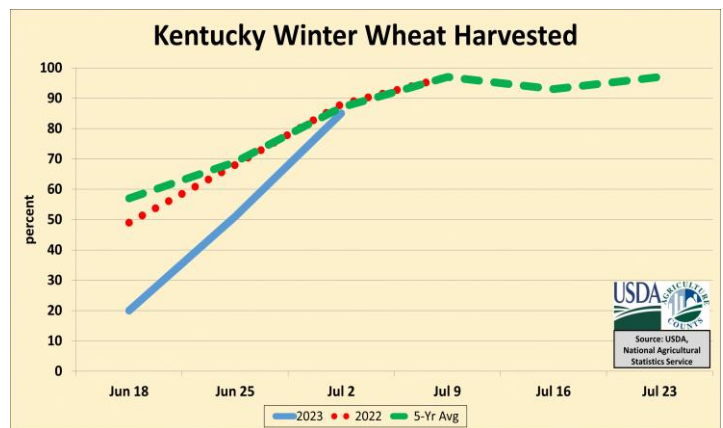
**Agricultural News:** Kentucky experienced slightly below normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 2.58 inches, 1.47 inches above normal. Temperatures averaged 75 degrees for the week, 1 degree below normal. **Topsoil moisture** was rated 2 percent very short, 27 percent short, 63 percent adequate, and 8 percent surplus. **Subsoil moisture** was rated 5 percent very short, 29 percent short, 59 percent adequate, and 7 percent surplus. Days suitable for fieldwork averaged 4.6 out of a possible seven.

Primary activities for this week included planting soybeans, setting tobacco, harvesting wheat, and cutting hay. Most of the state received substantial rainfall this past week. The latter portion of the week brought some severe weather as heat and humidity returned. Some hail damage was reported as a result of the severe activity. It is of note, that parts of the state are still dealing with very dry conditions. In these areas, crops are showing stress. With unstable weather abound, farmers pushed ahead whenever possible with field activities. Twenty-three percent of corn is silking at this juncture. The condition of the crop remains mostly good despite recent storm activity. Soybean planting was slowed by rain, but is still very near completion. Eighteen percent of the crop is blooming with 90 percent emerged. The condition of soybeans is mostly good with an average height of 12 inches. Two percent of the crop is now setting pods. Tobacco planting is nearing completion with the average height of set plants at 16 inches. Four percent of the crop is blooming as condition is mostly good. The wheat harvest continues to roll along and will finish soon with conducive weather.

Pasture regrowth has been aided by recent rain, however in areas with heavy precipitation, livestock traffic and run off may do some damage. Livestock condition is mostly good at this time. The quality of hay is mostly good overall, but yields have varied as a spring drought took a toll. Many producers fear a shortage awaits in the winter months.

**SOIL MOISTURE for week ending 07/02/23**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	27	63	8
Subsoil	5	29	59	7



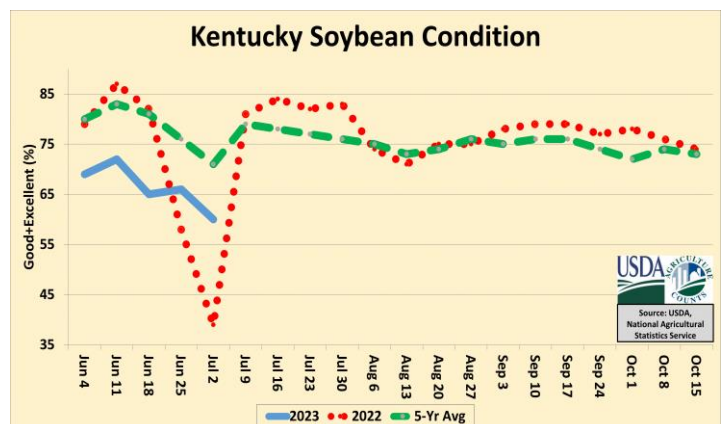
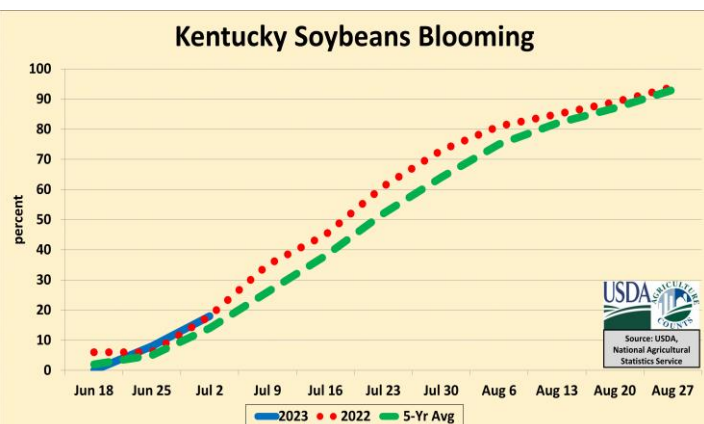
**CROP PROGRESS for week ending 07/02/23**

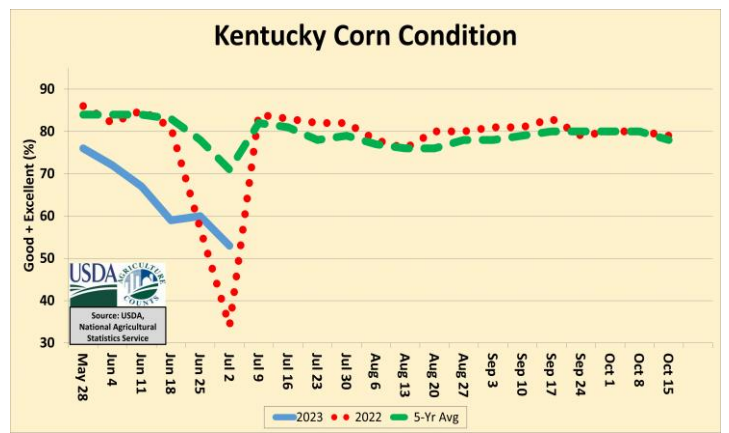
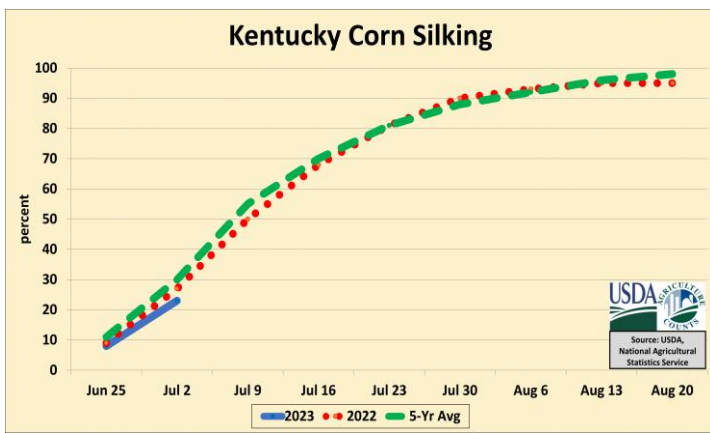
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	23	8	27	30
Soybeans Planted	95	93	97	95
Soybeans Emerged	90	83	89	85
Soybeans Blooming	18	8	18	14
Soybeans Setting Pods	2	-	-	-
Tobacco Set	97	94	97	96
Winter Wheat Harvested	85	51	88	87

**CROP CONDITIONS for week ending 07/02/23**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	9	37	46	7
Hay Harvested Quality	1	9	30	53	7
Livestock	-	2	21	66	11
Pasture	2	10	35	48	5
Soybeans	-	7	33	54	6
Tobacco Set	1	3	24	65	7

- Represents zero.





**Kentucky Climate Summary**  
**For the Period June 26, 2023 to July 2, 2023**

Slightly Below Normal Temperatures and Much Above Normal Rainfall:

Numerous storm complexes passed through Kentucky between Thursday and Sunday. A moist and unstable airmass led to several bouts of strong to severe activity, mainly in the way of damaging winds, torrential rainfall, and intense lightning. In addition to some activity early in the period, the state averaged 2.58 inches for the week. Much of Central KY and the Bluegrass saw 2 – 4+ inches. Some even topped five. Outside of precipitation, summer heat and humidity returned to the area over the latter half of the week. The hottest days were Thursday and Friday as highs across Western KY rose well into the 90s. The station at Paducah airport even hit 101. Ahead of the heat and storms, the Bluegrass State saw extremely hazy skies on Wednesday as smoke continued to filter into the area from the Canadian wildfires.

Temperatures for the period averaged 75 degrees across the state which was 1 degree cooler than normal and 4 degrees warmer than the previous period. High temperatures averaged from 89 in the West to 82 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 68 degrees in the West to 64 degrees in the East. Departure from normal low temperatures were near normal across the state. The extreme high temperature for the period was 101 degrees at PADUCAH ASOS and the extreme low was 56 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 2.58 inches statewide which was 1.47 inches above normal and 232% of normal. Precipitation totals by climate division, West 2.31 inches, Central 2.67 inches, Bluegrass 3.34 inches and East 2.00 inches, which was 1.28, 1.55, 2.27 and 0.77 inches above normal. By station, precipitation totals ranged from a low of 0.02 inches at POPLAR BLUFF ASOS to a high of 6.77 inches at CALHOUN 5NW.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 07/01/23 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
<b>Western KY</b>													
Caldwell	Princeton(M)	1.20	9.39	2.78	-5.31	-1.41	95	62	77	0	192	1465	-159
Christian	Hopkinsville(M)	0.61	11.00	2.91	-3.79	-1.12	94	63	77	0	190	1488	-118
Daviess	Owensboro(AP)	5.41	11.37	7.06	-2.81	3.22	93	64	76	0	185	1571	5
Fulton	Hickman(M)	1.45	10.63	4.21	-4.23	-0.02	96	63	80	1	211	1663	-32
Marshall	Benton(M)	0.93	8.99	3.18	-7.98	-1.70	97	63	79	1	204	1532	-140
McCracken	Paducah(AP)	0.91	9.85	1.98	-5.01	-2.25	101	64	82	3	227	1741	46
McLean	Calhoun(M)	6.94	15.75	8.28	0.18	3.62	92	62	75	-3	181	1420	-337
Todd	Elkton(M)	1.73	10.01	3.02	-4.78	-1.01	96	60	77	0	193	1440	-166
Union	Morganfield(M)	3.32	9.90	4.39	-4.28	0.55	98	62	79	2	203	1513	-53
<b>Central KY</b>													
Barren	Glasgow(M)	2.84	14.09	7.47	-1.41	3.00	91	62	75	-1	176	1360	-134
Breckinridge	Hardinsburg(M)	3.61	11.82	5.70	-4.57	1.27	88	61	74	-2	172	1344	-114
Clinton	Albany(M)	1.60	13.14	6.81	-2.71	2.13	89	59	73	0	164	1282	-9
Hardin	Elizabethtown(M)	2.48	15.05	8.66	-1.34	4.23	87	62	74	-2	170	1329	-129
Hart	Munfordville(M)	2.98	15.02	9.02	-0.25	4.46	89	62	74	-4	174	1343	-411
Jefferson	Louisville(AP)	1.99	12.49	5.67	-2.03	1.69	88	65	77	-1	190	1629	-60
Taylor	Campbellsville(M)	2.02	12.11	7.00	-3.31	2.39	90	60	74	-1	170	1273	-192
Warren	Bowling_Green(AP)	1.18	8.64	2.48	-6.02	-1.75	90	64	77	-1	188	1617	-51
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	1.46	9.55	3.47	-4.67	-0.93	87	58	74	0	167	1281	-17
Boyle	Danville(M)	2.52	11.17	6.14	-4.03	1.24	87	58	73	-1	163	1225	-192
Fayette	Lexington(AP)	6.33	14.07	9.18	-1.07	4.57	87	62	75	0	178	1429	14
Franklin	Frankfort(M)	3.67	13.06	8.34	-1.23	4.24	85	59	72	-3	160	1195	-253
Madison	Richmond(M)	4.12	12.78	8.71	-2.42	3.81	87	59	72	-2	157	1167	-250
Mason	Maysville(M)	1.20	7.32	2.82	-7.00	-1.11	87	58	73	-1	165	1162	-81
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	1.71	11.75	4.65	-3.56	-0.30	86	62	74	0	165	1398	-62
Harlan	Harlan(M)	2.46	12.05	4.90	-2.77	0.05	75	54	64	-10	101	658	-699
Lawrence	Louisa(M)	2.02	11.18	3.32	-2.22	-1.25	89	61	74	0	171	1254	-31
Pike	Pikeville(M)	1.53	11.68	3.95	-1.72	-0.62	79	58	68	-6	129	1035	-250
Pulaski	Somerset(M)	2.28	11.53	6.67	-3.67	1.77	87	57	72	-2	157	1199	-218
Rowan	Morehead(M)	2.18	11.93	4.89	-3.13	0.31	85	58	72	-1	159	1118	-136

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)