



# 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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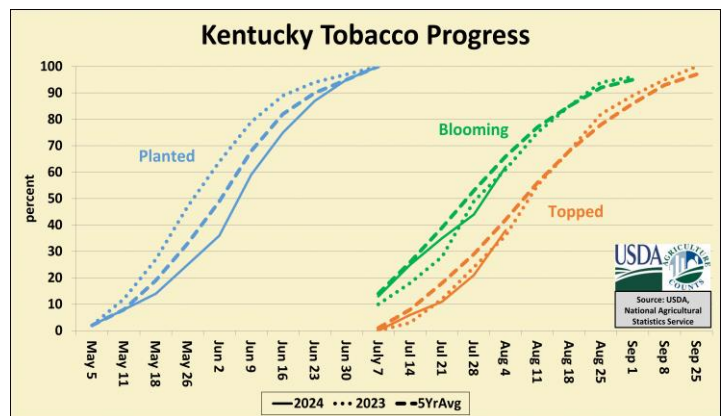
**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 2.02 inches, 1.06 inches above normal. Temperatures averaged 79 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 3 percent very short, 14 percent short, 71 percent adequate and 12 percent surplus. **Subsoil moisture** was rated 3 percent very short, 19 percent short, 68 percent adequate, and 10 percent surplus. Days suitable for fieldwork averaged 4.3 out of a possible seven.

Primary activities this week included scouting row crops, topping tobacco, and spraying. Central and Eastern Kentucky saw the most rainfall locally, with some flooding occurring. The corn crop is progressing close to the 5-year average now. Silking is nearly complete at 90%. 66% of the crop is milking, with 48% doughing and 22% having already dented. Condition of corn acres is slightly improved from last week, with 68% now being reported as good or excellent. Soybeans are also progressing slightly ahead of the 5-year average, with 74% blooming and 54% setting pods. Soybeans have also began coloring, with 3% reported as such this week. Work in the tobacco fields continued this week. 62% of tobacco is now blooming and 38% has been topped. Both of these are slightly behind the 5-year average marks, likely due to rainfall preventing some fieldwork recently. Tobacco condition has deteriorated slightly, and is now at 70% good or excellent, down from 72% the previous week. The mix of high temperatures and localized heavy rainfall has caused some quality concerns.

Consistent rains provided relief for most pastures and replenished water sources. Some areas of the state reported receiving too much rainfall making pastures difficult for livestock to use. Reporters are optimistic that the rains will improve the second cuttings of hay fields.

**SOIL MOISTURE for week ending 08/04/24**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	14	71	12
Subsoil	3	19	68	10



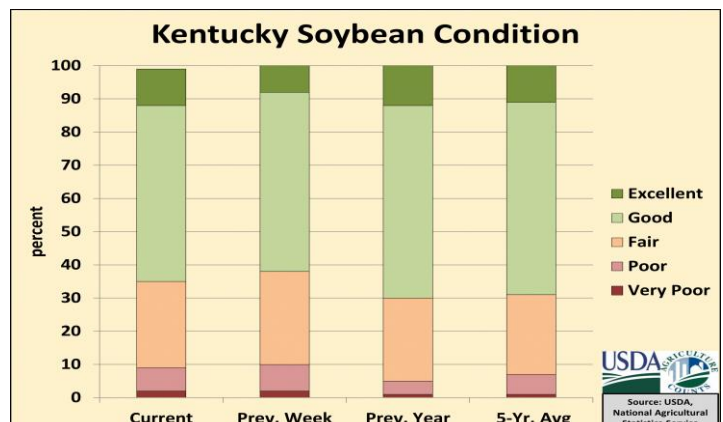
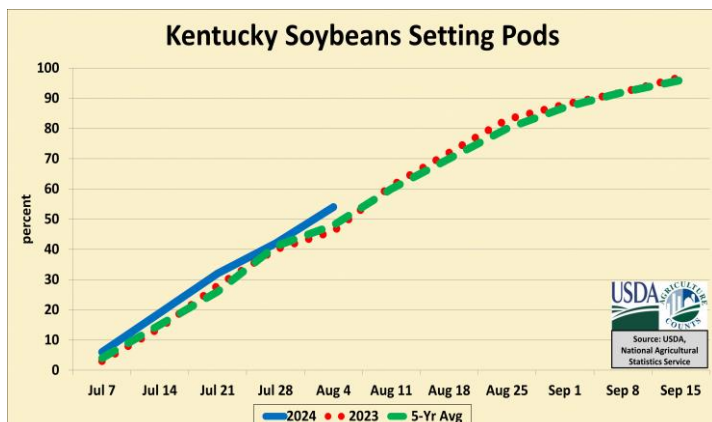
**CROP PROGRESS for week ending 08/04/24**

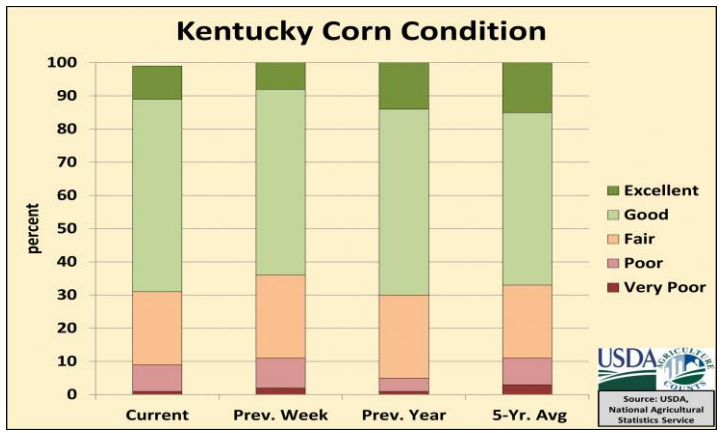
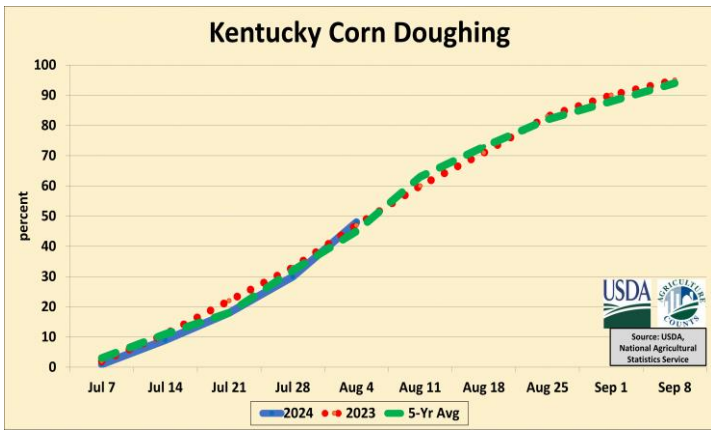
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	90	83	88	89
Corn Milked	66	51	62	65
Corn Dough	48	30	44	45
Corn Dent	22	10	20	23
Soybeans Blooming	74	66	64	69
Soybeans Setting Pods	54	42	46	48
Soybeans Coloring	3	-1	1	1
Tobacco Blooming	62	44	58	64
Tobacco Topped	38	21	34	40

**CROP CONDITIONS for week ending 08/04/24**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	8	22	58	10
Pasture	3	13	26	49	9
Soybeans	2	7	27	53	11
Tobacco Set	1	4	25	67	3

-1 Shown when data not available.





**Kentucky Climate Summary**  
**For the Period July 29, 2024 to August 4, 2024**

Above Normal Temperatures and Rainfall:

The Bluegrass State experienced a “rinse and repeat” pattern this past week. Daily storms erupted within a warm, highly moist, and unstable air mass, leading to damaging winds, torrential rainfall, frequent lightning, and localized flooding. Apart from some areas in Western Kentucky and the Northern Bluegrass, most locations received at least 1 inch of rainfall over the period. Central and Southeastern Kentucky saw the highest totals, with many locations receiving 2 to 3+ inches, and some areas even surpassing four. On average, the state averaged 2.02 inches of rainfall for the week, about 1 inch above normal.

Temperatures for the period averaged 79 degrees across the state which was 2 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 86 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to near normal in the East. Low temperatures averaged from 72 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 4 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at PADUCAH ASOS and the extreme low was 63 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 2.02 inches statewide which was 1.06 inches above normal and 210% of normal. Precipitation totals by climate division, West 1.21 inches, Central 2.39 inches, Bluegrass 2.11 inches and East 2.38 inches, which was 0.34, 1.47, 1.15 and 1.29 inches above normal. By station, precipitation totals ranged from a low of 0.06 inches at HICKMAN 2E to a high of 4.92 inches at LEBANON 8NW.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 08/04/24 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	Degree s F	Degree s F	Degree s F	Degrees F	Degrees F	Degrees F	Degrees F
<b>Western KY</b>													
Caldwell	Princeton(M)	0.78	20.40	3.26	0.96	-0.75	92	67	79	1	207	2674	110
Christian	Hopkinsville(M)	0.78	22.93	3.53	3.01	-0.76	92	69	79	0	209	2688	122
Daviess	Owensboro(AP)	0.82	18.94	2.97	0.72	-0.38	93	70	81	3	217	2823	341
Fulton	Hickman(M)	0.06	23.58	2.73	4.27	-1.01	93	68	82	3	229	2851	178
Marshall	Benton(M)	1.18	24.73	7.03	2.78	2.81	93	68	80	1	216	2736	101
McCracken	Paducah(AP)	1.20	22.75	4.84	3.44	1.10	96	69	83	4	233	2978	305
McLean	Calhoun(M)	1.86	27.98	6.03	7.33	1.83	91	68	79	0	203	2606	-128
Todd	Elkton(M)	1.06	27.56	4.79	7.64	0.50	92	66	79	0	204	2609	43
Union	Morganfield(M)	1.70	22.77	3.71	4.55	0.36	93	69	79	1	209	2721	239
<b>Central KY</b>													
Barren	Glasgow(M)	0.82	27.56	5.51	6.81	1.01	91	68	78	0	201	2584	172
Breckinridge	Hardinsburg(M)	2.82	25.34	8.50	4.64	4.93	91	67	78	0	196	2541	165
Clinton	Albany(M)	1.61	24.82	6.40	3.64	1.94	92	66	78	3	197	2524	394
Hardin	Elizabethtown(M)	2.47	20.20	6.31	-0.50	2.74	90	66	77	0	194	2550	174
Hart	Munfordville(M)	2.06	23.06	6.71	2.72	2.47	91	68	78	0	198	2546	-186
Jefferson	Louisville(AP)	2.01	19.52	3.84	0.68	0.18	94	71	81	1	220	3010	333
Taylor	Campbellsville(M)	3.18	23.17	5.34	3.03	1.39	92	67	78	2	196	2524	186
Warren	Bowling_Green(AP)	1.23	23.80	7.33	4.71	3.67	95	71	82	2	223	2965	316
<b>Bluegrass</b>													
Boone	Cinci./NKY(AP)	1.32	15.65	4.07	-2.63	0.63	90	66	78	2	195	2542	388
Boyle	Danville(M)	1.97	18.48	4.50	-2.04	0.11	91	66	77	2	192	2513	262
Fayette	Spindletop(M)	2.44	16.83	4.14	-3.69	-0.45	90	67	76	0	187	2509	212
Franklin	Frankfort(M)	4.52	18.18	5.71	-0.99	1.58	91	66	77	0	193	2504	158
Madison	Richmond(M)	2.62	17.96	6.70	-2.56	2.31	90	66	76	1	185	2435	184
Mason	Maysville(M)	1.07	14.77	1.79	-4.89	-2.86	93	64	77	1	195	2420	320
<b>Eastern KY</b>													
Breathitt	Jackson(AP)	2.17	16.77	3.67	-3.93	-0.88	90	66	77	1	188	2639	329
Harlan	Harlan(M)	3.31	18.18	5.96	-2.25	1.23	76	59	67	-8	120	1587	-628
Lawrence	Louisa(M)	1.50	14.55	2.28	-4.21	-2.21	92	65	78	3	196	2546	423
Pike	Pikeville(M)	1.68	17.34	4.92	-1.42	0.43	81	63	71	-3	150	2126	3
Pulaski	Somerset(M)	3.25	25.42	7.65	4.90	3.26	90	64	76	1	183	2394	143
Rowan	Morehead(M)	2.13	21.03	3.21	-0.16	-1.98	90	65	76	1	188	2299	220

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)