



Crop Progress and Condition

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U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: July 22, 2024

Issue: 21-24

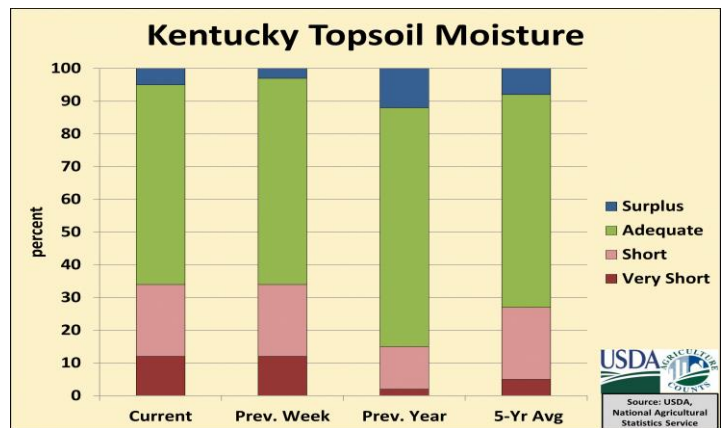
Agricultural News: Kentucky experienced near normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.23 inches, 0.14 inches above normal. Temperatures averaged 77 degrees for the week, which is near normal for this time of year. **Topsoil moisture** was rated 12 percent very short, 22 percent short, 61 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 10 percent very short, 27 percent short, 60 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 5.7 out of a possible seven.

Primary activities this week included scouting row crops, topping tobacco, and cutting hay. Many parts of the state received enough rainfall to relieve heat stress on crops and livestock. Corn is now estimated at 77% silked, which is slightly ahead of the 5 year average of 71%. Forty two percent of corn acres are now milking, also slightly ahead of the 5 year average of 38%. Soybeans are also trending ahead of their 5 year averages. Fifty seven percent are blooming compared to the 5 year average of 47%. Acres setting pods is at 32%, ahead of the 5 year average of 24%. Precipitation in the Central and Bluegrass regions was less prevalent than elsewhere. Areas that received an excess of rainfall have reported a higher than normal presence of slugs in their soybeans. Thirty five percent of tobacco acres are estimated to be blooming this week, with 11% of the total acres being topped. Overall, most crop conditions were steady from last week with no large shifts.

Forty four percent of pasture was rated as good or excellent last week. This is down significantly from the 5 year average of 61%. The hot and dry weather that persisted through most of late June and early July will take some time to recover from.

SOIL MOISTURE for week ending 07/28/24

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	12	22	61	5
Subsoil	10	27	60	3



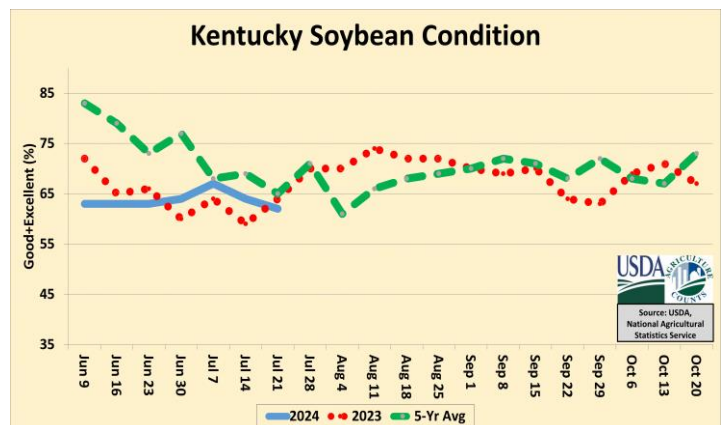
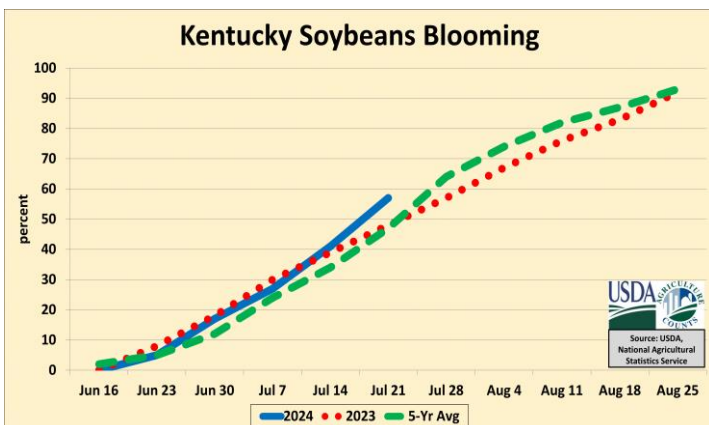
CROP PROGRESS for week ending 07/21/24

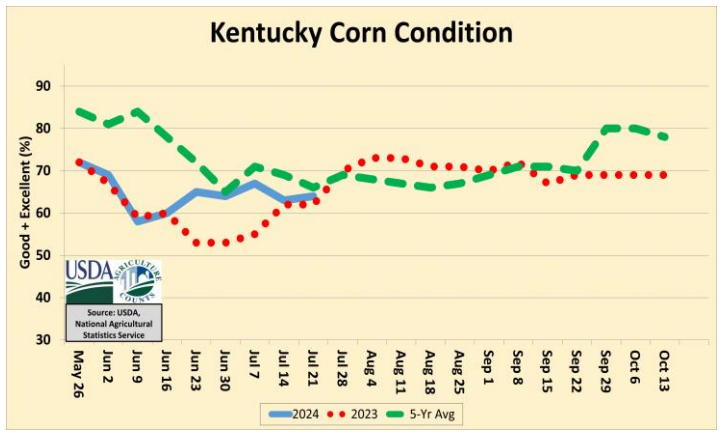
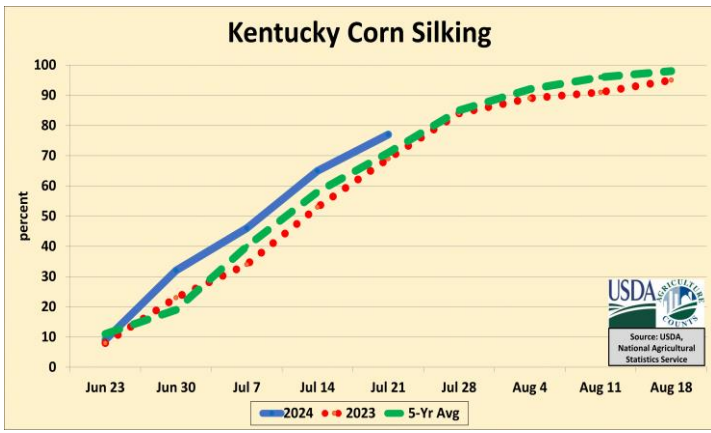
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	77	65	69	71
Corn Milked	42	29	36	38
Corn Dough	18	9	22	18
Corn Dent	1	-	1	2
Soybeans Blooming	57	41	48	47
Soybeans Setting Pods	32	19	26	24
Tobacco Blooming	35	25	25	34
Tobacco Topped	11	6	9	13

CROP CONDITIONS for week ending 07/21/24

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	9	25	56	8
Pasture	7	17	32	39	5
Soybeans	2	10	26	55	7
Tobacco Set	1	4	23	69	3

- Represents zero.





Kentucky Climate Summary
For the Period July 15, 2024 to July 21, 2024

Near Normal Temperatures and Above Normal Rainfall:

The period started on the warm side, with highs jumping well into the 90s on Monday and Tuesday. Muggy air pushed heat indices past the century mark for many across the state. Showers and storms returned to the area midweek. Combined with isolated to scattered coverage over the weekend, the state averaged 1.23 inches of rain. Higher totals were seen across South-Central and Southeastern Kentucky, with amounts ranging from 1.5 to over 3 inches. Totals diminished across the Purchase Region of Western Kentucky and along the Ohio River into the Bluegrass Region. The Bluegrass has continued to miss significant rainfall. This region only averaged 0.36 inches this past week and some areas are running 2-3+ inches below normal over the past 30 days. Moderate drought was recently introduced to parts of this region in the latest update of the U.S. Drought Monitor last week.

Temperatures for the period averaged 77 degrees across the state which was near normal and 1 degree cooler than the previous period. High temperatures averaged from 85 in the West to 87 in the East. Departure from normal high temperatures ranged from 4 degrees cooler than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 68 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 1 degrees warmer than normal in the East. The extreme high temperature for the period was 100 degrees at Louisa 1 S and the extreme low was 52 degrees at BLACK MOUNTAIN ARC.

Precipitation (liq. equ.) for the period totaled 1.23 inches statewide which was 0.14 inches above normal and 113% of normal. Precipitation totals by climate division, West 1.23 inches, Central 1.92 inches, Bluegrass 0.36 inches and East 1.40 inches, which was 0.24, 0.86, -0.73 and 0.17 inches of normal. By station, precipitation totals ranged from a low of 0.00 inches at HICKMAN 2E to a high of 4.16 inches at LONDON CORBIN APRT.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/21/24 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
Western KY													
Caldwell	Princeton(M)	1.22	19.56	4.73	2.08	0.65	91	60	76	-2	183	2278	113
Christian	Hopkinsville(M)	1.10	21.97	5.64	4.11	1.21	91	59	76	-2	184	2290	130
Daviess	Owensboro(AP)	0.84	17.56	2.92	0.86	-0.83	92	64	77	0	192	2411	316
Fulton	Hickman(M)	0.00	22.79	4.36	5.23	0.30	93	62	77	-2	195	2428	168
Marshall	Benton(M)	1.59	22.84	8.20	3.00	3.88	91	60	76	-2	186	2328	102
McCracken	Paducah(AP)	0.79	20.69	5.03	3.13	0.97	93	60	78	-1	199	2542	282
McLean	Calhoun(M)	2.97	25.73	6.50	6.93	1.74	92	59	75	-4	176	2219	-101
Todd	Elkton(M)	2.31	26.39	6.35	8.53	1.92	90	62	75	-3	181	2219	59
Union	Morganfield(M)	0.72	20.80	3.87	4.10	0.12	92	58	75	-2	178	2319	224
Central KY													
Barren	Glasgow(M)	2.48	24.86	8.67	6.30	4.20	91	61	76	-1	184	2201	178
Breckinridge	Hardinsburg(M)	1.21	20.06	4.75	1.01	0.71	90	58	75	-2	179	2165	177
Clinton	Albany(M)	1.92	20.39	2.85	1.33	-1.89	94	62	77	1	193	2144	371
Hardin	Elizabethtown(M)	2.06	17.02	4.47	-2.03	0.43	92	60	75	-2	180	2181	193
Hart	Munfordville(M)	3.10	20.14	6.26	1.77	1.69	91	59	76	-3	185	2166	-152
Jefferson	Louisville(AP)	0.37	16.93	5.33	-0.01	1.65	95	63	80	0	209	2583	326
Taylor	Campbellsville(M)	1.29	19.15	2.73	0.94	-1.50	93	60	76	0	188	2146	178
Warren	Bowling_Green(AP)	3.97	21.19	7.37	3.78	3.24	95	64	80	0	212	2538	306
Bluegrass													
Boone	Cinci./NKY(AP)	0.05	13.48	3.13	-3.05	-0.49	92	62	77	1	187	2164	373
Boyle	Danville(M)	0.78	14.92	1.60	-3.58	-3.34	95	55	76	1	187	2139	240
Fayette	Lexington(AP)	0.56	14.12	1.92	-4.14	-2.63	98	62	80	3	209	2351	428
Franklin	Frankfort(M)	0.54	13.07	1.85	-4.15	-2.45	96	57	76	0	187	2130	165
Madison	Richmond(M)	0.34	11.88	1.05	-6.62	-3.89	96	55	76	1	187	2077	178
Mason	Maysville(M)	0.12	13.16	0.90	-4.22	-3.30	97	59	77	1	193	2048	310
Eastern KY													
Breathitt	Jackson(AP)	0.54	13.66	3.67	-4.77	-1.05	95	62	78	2	195	2270	319
Harlan	Harlan(M)	2.14	14.43	3.37	-3.63	-1.63	82	56	68	-7	130	1351	-501
Lawrence	Louisa(M)	0.50	12.77	2.29	-3.84	-2.44	100	59	77	2	194	2162	395
Pike	Pikeville(M)	2.34	14.78	4.16	-1.83	-0.57	89	60	72	-3	159	1824	57
Pulaski	Somerset(M)	2.36	20.41	6.01	1.91	1.07	92	59	76	1	185	2038	139
Rowan	Morehead(M)	0.07	18.38	4.03	-0.38	-1.27	93	61	75	0	179	1947	216

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