



Crop Progress and Condition

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In Cooperation with:

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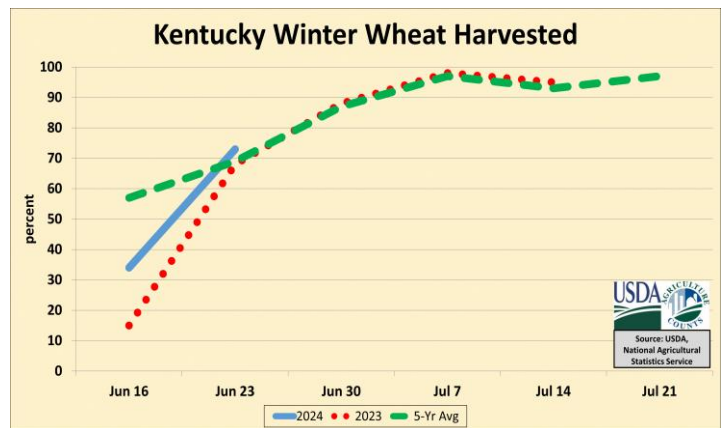
Agricultural News: Kentucky experienced above normal temperatures and much below normal rainfall over the past week. Precipitation for the week totaled 0.20 inches, 0.92 inches below normal. Temperatures averaged 80 degrees for the week, 5 degrees above normal. **Topsoil moisture** was rated 8 percent very short, 31 percent short, 57 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 4 percent very short, 25 percent short, 67 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 6.5 out of a possible seven.

Primary activities this week included harvesting wheat, setting tobacco, and planting soybeans. Many row crops are showing signs of heat stress after the very hot and dry weather last week. Both topsoil and subsoil moisture decreased significantly from the previous week. The dry weather did allow for plenty of fieldwork to occur, which was much needed after the very wet conditions most of the state saw this spring. Corn is now at 97% planted, with 93% emerged, and 9% beginning to silk. Soybeans are now at 86% planted, with 74% emerged, and 5% of the crop blooming. The average height of emerged soybeans was 6 inches. Tobacco setting is nearing completion at 87% of acres set, only slightly behind the 5 year average of 89%. The average height of tobacco in the field was 12 inches. The winter wheat crop is progressing well, with 100% of the crop now coloring. 94% of the crop is estimated to be mature, and 73% of acres have been harvested so far. The harvest is well ahead of the 5 year average of 54% complete.

Livestock and pastures have suffered from the high heat and abnormally dry conditions. Access to shade and fresh water will be critical for maintaining herd conditions. Last week 82% of pasture was rated as good or excellent, compared to only 73% this week. The weather allowed for cutting hay with 88% of the first cutting now completed. Of the hay that was cut 1% was rated very poor, 3% poor, 18% fair, 67% good, and 11% in excellent condition.

SOIL MOISTURE for week ending 06/23/24

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	8	31	57	4
Subsoil	4	25	67	4



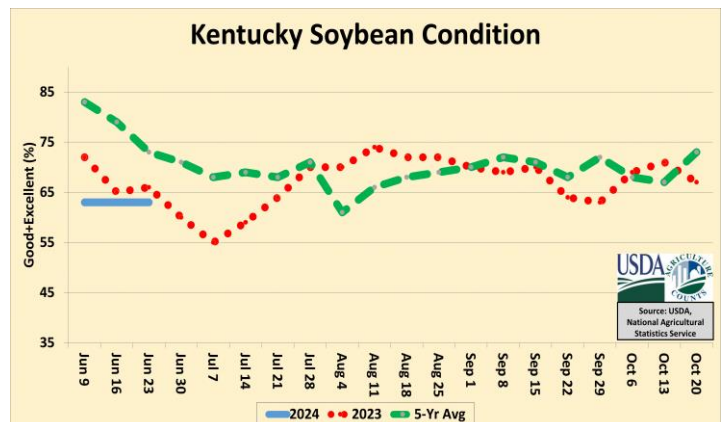
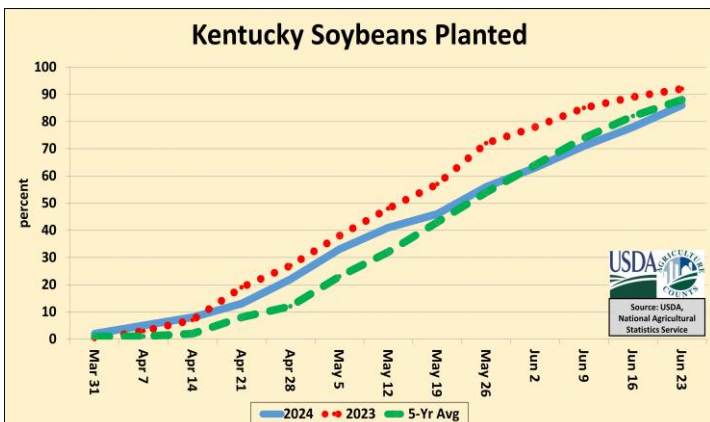
CROP PROGRESS for week ending 06/23/24

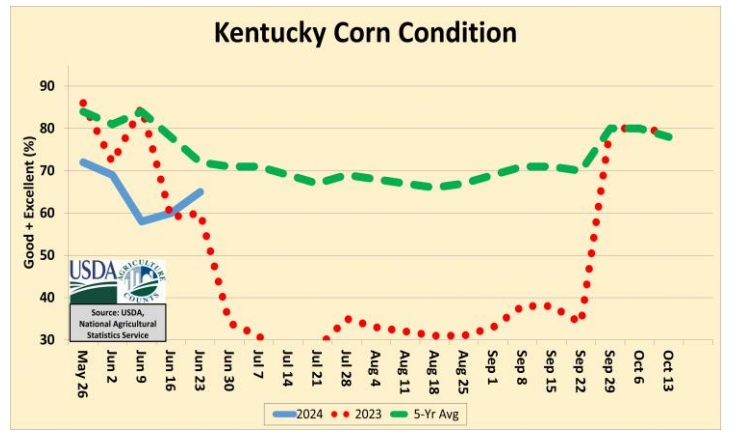
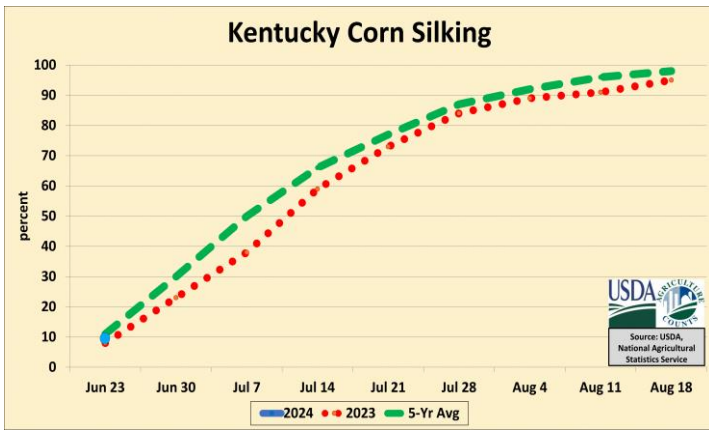
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	97	96	100	100
Corn Emerged	93	87	99	97
Corn Silking	9	-	6	6
Soybeans Planted	86	78	92	88
Soybeans Emerged	74	65	82	75
Soybeans Blooming	5	-	6	4
Tobacco Set	87	75	93	89
Winter Wheat Coloring	100	97	-1	-1
Winter Wheat Mature	94	77	92	-1
Winter Wheat Harvested	73	34	42	54

CROP CONDITIONS for week ending 06/23/24

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	7	26	58	7
Pasture	1	4	22	60	13
Soybeans	2	9	26	56	7
Tobacco Set	1	3	19	72	5
Wheat	3	5	19	63	10
Hay	1	3	18	67	11

- Represents zero.
-1 Shown when data not available.





Kentucky Climate Summary
For the Period June 17, 2024 to June 23, 2024

Above Normal Temperatures and Much Below Normal Rainfall:

The summer solstice was on Thursday and in timely fashion, Kentucky saw its warmest week of 2024. Heat and humidity was consistent throughout the week with highs jumping into the upper 80s to middle 90s. Heat indices peaked around 100 at times. Precipitation-wise, the state saw periodic rounds of rainfall, but coverage was limited. Locations that saw storms recorded a half to one inch+. Others missed out with totals less than a tenth. Overall, the state averaged just two tenths, marking a second straight week of much below normal rainfall. Following Kentucky's 6th wettest May on record, the state has only averaged 1.88 inches in June, over 1.5 below normal.

Temperatures for the period averaged 80 degrees across the state which was 5 degrees warmer than normal and 8 degrees warmer than the previous period. High temperatures averaged from 89 in the West to 90 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. Low temperatures averaged from 71 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 5 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at LOUISA 1S and the extreme low was 60 degrees at BOWLING GREEN 4E.

Precipitation (liq. eq.) for the period totaled 0.20 inches statewide which was 0.92 inches below normal and 18% of normal. Precipitation totals by climate division, West 0.41 inches, Central 0.17 inches, Bluegrass 0.08 inches and East 0.16 inches, which was 0.62, 0.95, 1.04 and 1.03 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BURKESVILLE 3W to a high of 1.67 inches at HARDINSBURG 5SW.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/23/24 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	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Western KY													
Caldwell	Princeton(M)	1.08	14.83	2.54	1.43	-1.68	92	67	79	3	203	1512	136
Christian	Hopkinsville(M)	0.65	16.33	3.48	2.90	-0.58	92	68	79	2	208	1521	168
Daviess	Owensboro(AP)	0.46	14.64	3.45	1.69	-0.43	93	70	82	6	223	1605	283
Fulton	Hickman(M)	0.25	18.43	5.69	4.93	1.50	94	68	80	2	210	1615	180
Marshall	Benton(M)	0.07	14.64	0.97	-0.88	-4.16	92	68	79	2	205	1551	133
McCracken	Paducah(AP)	0.49	15.66	5.04	2.16	0.85	94	68	81	3	219	1723	288
McLean	Calhoun(M)	0.81	19.23	2.09	5.19	-2.49	93	68	80	2	212	1462	-36
Todd	Elkton(M)	0.09	20.04	3.48	6.61	-0.58	92	66	78	1	201	1457	104
Union	Morganfield(M)	0.42	16.93	1.55	3.98	-2.33	93	67	80	4	213	1560	238
Central KY													
Barren	Glasgow(M)	0.13	16.19	2.18	2.10	-2.40	92	67	79	4	206	1444	190
Breckinridge	Hardinsburg(M)	1.67	15.31	2.17	0.30	-2.41	91	68	79	4	203	1419	203
Clinton	Albany(M)	0.06	17.54	2.10	3.22	-2.53	92	65	78	5	198	1372	299
Hardin	Elizabethtown(M)	0.03	12.55	1.14	-2.46	-3.44	94	69	80	5	213	1421	205
Hart	Munfordville(M)	0.05	13.88	1.93	0.08	-2.57	92	68	79	2	206	1417	-79
Jefferson	Louisville(AP)	0.04	11.60	1.13	-1.66	-2.88	96	75	85	7	246	1715	286
Taylor	Campbellsville(M)	0.04	16.42	1.75	2.44	-2.86	92	66	79	5	205	1386	152
Warren	Bowling Green(AP)	0.10	13.82	1.75	0.54	-2.44	96	70	83	6	231	1676	266
Bluegrass													
Boone	Cinci./NKY(AP)	0.08	10.35	0.88	-2.56	-3.56	95	71	82	8	226	1400	327
Boyle	Danville(M)	0.00	13.32	2.38	-0.24	-2.23	91	65	79	6	206	1386	190
Fayette	Lexington(AP)	0.03	12.20	2.56	-1.51	-2.17	95	69	83	9	230	1519	336
Franklin	Frankfort(M)	0.00	11.22	1.11	-1.70	-2.89	94	66	80	5	211	1368	157
Madison	Richmond(M)	0.47	10.83	1.96	-2.73	-2.65	93	64	78	5	201	1326	130
Mason	Maysville(M)	0.50	12.26	2.63	-0.92	-1.66	93	66	79	6	207	1297	278
Eastern KY													
Breathitt	Jackson(AP)	0.32	9.99	2.22	-3.72	-2.59	93	69	81	7	216	1487	252
Harlan	Harlan(M)	0.02	11.06	2.32	-2.00	-1.96	80	61	70	-3	145	813	-320
Lawrence	Louisa(M)	0.05	10.48	2.26	-1.40	-2.10	97	65	80	7	213	1380	315
Pike	Pikeville(M)	0.19	10.62	1.38	-1.26	-2.98	86	66	76	3	186	1155	90
Pulaski	Somerset(M)	0.19	14.40	2.04	0.84	-2.57	93	63	78	5	200	1293	97
Rowan	Morehead(M)	0.25	14.35	2.75	0.89	-1.64	91	65	78	5	196	1242	205

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