



Crop Progress and Condition

USDA, NASS, Kentucky Field Office

David Knopf, Director
601 W Broadway, Rm 645
Louisville, Kentucky 40201-1120
(502) 907-3250 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:

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

Released: June 17, 2024

Issue: 16-24

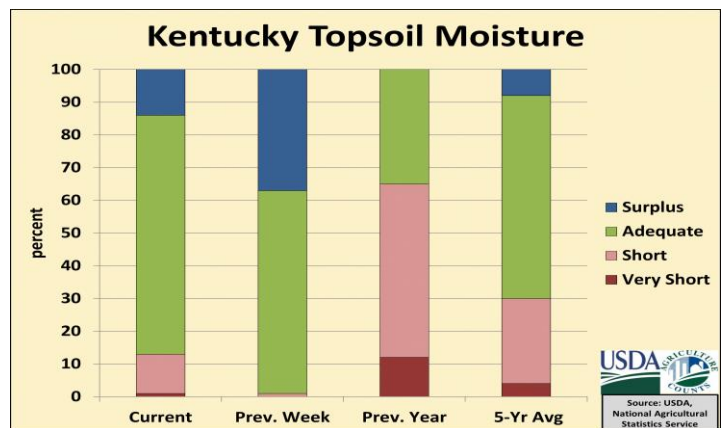
Agricultural News: Kentucky experienced below normal temperatures and much below normal rainfall over the past week. Precipitation for the week totaled 0.03 inches, 1.08 inches below normal. Temperatures averaged 71 degrees for the week, 2 degrees below normal. **Topsoil moisture** was rated 1 percent very short, 12 percent short, 73 percent adequate, and 14 percent surplus. **Subsoil moisture** was rated 1 percent very short, 7 percent short, 78 percent adequate, and 14 percent surplus. Days suitable for fieldwork averaged 6.1 out of a possible seven.

Primary activities for this week included planting corn, soybeans, and tobacco along with cutting hay. With conducive weather this past week, fieldwork was in high gear. After a predominantly wet planting season, farmers welcomed some dry conditions to get caught up. Corn planting is nearing completion with 87 percent of the crop emerged. In areas that received very heavy rain in prior weeks, corn replanting is necessary and ponding is still evident. The average height of corn is 31 inches at this juncture. Soybeans are 78 percent planted with emergence at 65 percent. Both corn and soybean condition are rated mostly good despite weather obstacles through much of the season. Tobacco setting, at 75 percent, is running behind both last year and the five year average. The average height of set tobacco is 9 inches with condition rated mostly good. It is of note that it is reported that both tobacco and corn height vary greatly from area to area based on the heavy precipitation through much of May and early June. Winter wheat coloring is at 97 percent with 77 percent of the crop now mature. The winter wheat harvest is now well underway. Although wheat condition is rated mostly good, there is concern for quality as wet weather has persisted through much of the growing season.

Even with dry conditions and the arrival of hot weather late in the week, pastures remain mostly good. Some may actually repair with drier weather as the persistent rain in previous weeks allowed damage from livestock traffic. The first hay cutting is now 77 percent complete, a strong gain from last week thanks to favorable weather conditions.

SOIL MOISTURE for week ending 06/16/24

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	12	73	14
Subsoil	1	7	78	14



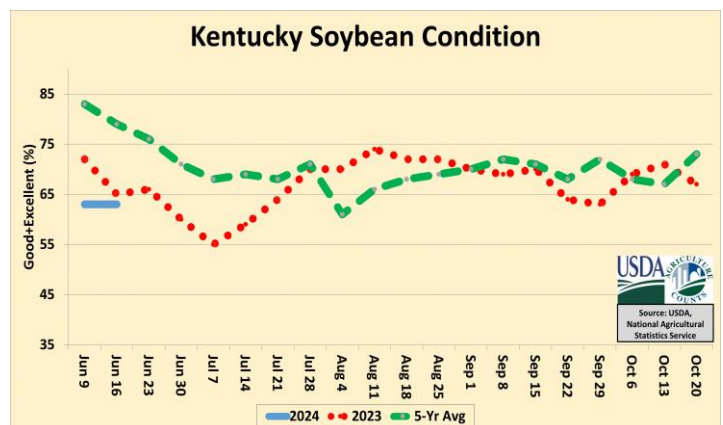
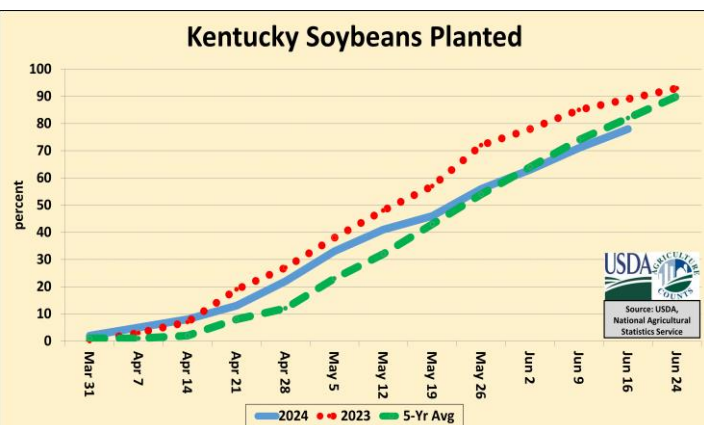
CROP PROGRESS for week ending 06/16/24

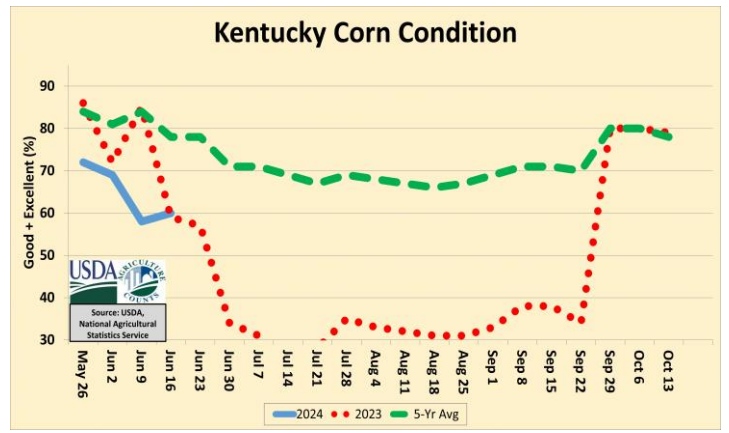
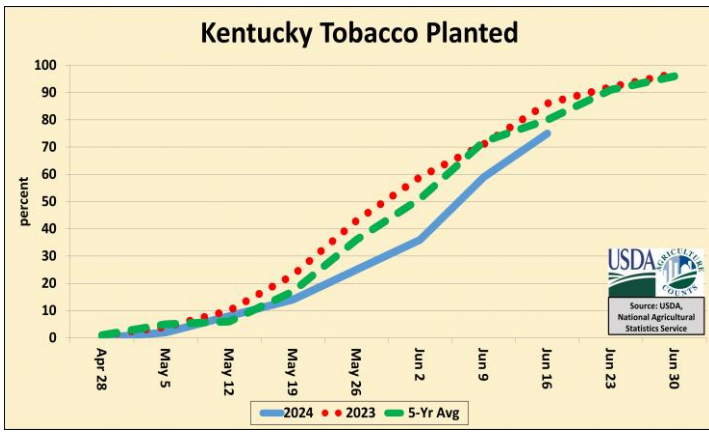
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	96	90	100	98
Corn Emerged	87	76	96	93
Soybeans Planted	78	71	89	82
Soybeans Emerged	65	57	77	67
Tobacco Set	75	59	86	80
Winter Wheat Coloring	97	86	89	-1
Winter Wheat Mature	77	49	69	70
Winter Wheat Harvested	34	-1	15	-1

CROP CONDITIONS for week ending 06/16/24

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	7	31	53	7
Pasture	-	1	17	65	17
Soybeans	2	6	29	55	8
Tobacco Set	-	2	21	72	5
Wheat	2	7	15	67	9

- Represents zero.





**Kentucky Climate Summary
For the Period June 10, 2024 to June 16, 2024**

Below Normal Temperatures and Much Below Normal Rainfall:

The week started on the cool side, with highs in the mid to upper 70s, about 5 to 10 degrees below normal for mid-June. A very dry air mass led to chilly nights by June standards, with some temperatures even dropping into the mid to upper 40s. The cooler temperatures were short-lived as a warming pattern commenced for the rest of the week. Highs peaked on Sunday, reaching the low to mid-90s in many areas. Combined with an increase in humidity, heat indices rose to around 100 during the afternoon hours for portions of Western and Southern Kentucky. While summer heat returned, the faucet essentially turned off. Outside of some isolated scattered activity on Friday and over the weekend, the vast majority of Kentucky didn't record a drop of rain this past week.

Temperatures for the period averaged 71 degrees across the state which was 2 degrees cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 86 in the West to 83 in the East. Departure from normal high temperatures were near normal across the state. Low temperatures averaged from 59 degrees in the West to 57 degrees in the East. Departure from normal low temperature ranged from 6 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. The extreme high temperature for the period was 97 degrees at BOWLING GREEN 4E and the extreme low was 43 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 0.03 inches statewide which was 1.08 inches below normal and 3% of normal. Precipitation totals by climate division, West 0.02 inches, Central 0.00 inches, Bluegrass 0.08 inches and East 0.00 inches, which was 1.02, 1.13, 1.05 and 1.16 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALBANY 1N to a high of 0.59 inches at LEXINGTON 7S.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/16/24 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)	0.00	13.75	4.63	1.39	0.48	94	50	71	-3	153	1308	116
Christian	Hopkinsville(M)	0.00	15.68	6.11	3.26	1.96	94	51	72	-2	156	1312	146
Daviess	Owensboro(AP)	0.00	14.18	5.36	2.16	1.43	95	51	74	0	165	1382	243
Fulton	Hickman(M)	0.27	18.18	10.54	5.72	6.39	93	54	74	-1	169	1405	164
Marshall	Benton(M)	0.07	14.57	4.26	0.29	-0.91	93	52	72	-3	154	1346	117
McCracken	Paducah(AP)	0.00	15.17	6.88	2.71	2.73	95	54	75	0	173	1504	263
McLean	Calhoun(M)	0.00	18.42	6.54	5.55	2.00	95	49	71	-4	149	1249	-56
Todd	Elkton(M)	0.26	19.95	8.08	7.53	3.93	94	50	71	-3	151	1256	90
Union	Morganfield(M)	0.00	16.51	4.90	4.49	0.97	94	51	72	-2	158	1346	207
Central KY													
Barren	Glasgow(M)	0.00	16.06	6.43	3.07	1.80	92	50	71	-2	149	1238	162
Breckinridge	Hardinsburg(M)	0.00	13.64	3.11	-0.25	-1.61	92	48	69	-4	139	1215	177
Clinton	Albany(M)	0.00	17.48	7.07	4.32	2.50	91	50	70	0	143	1174	262
Hardin	Elizabethtown(M)	0.00	12.52	3.79	-1.37	-0.93	94	48	70	-3	144	1208	170
Hart	Munfordville(M)	0.00	13.83	5.15	1.14	0.69	93	48	70	-5	143	1210	-95
Jefferson	Louisville(AP)	0.00	11.56	2.97	-0.71	-1.10	95	54	75	0	174	1470	235
Taylor	Campbellsville(M)	0.00	16.38	4.97	3.56	0.40	92	48	69	-3	138	1181	117
Warren	Bowling_Green(AP)	0.00	13.72	4.42	1.51	0.26	97	52	74	-1	171	1446	227
Bluegrass													
Boone	Cinci./NKY(AP)	0.10	10.27	1.79	-1.50	-2.50	91	47	70	-1	141	1174	266
Boyle	Danville(M)	0.00	13.32	4.80	1.04	0.44	91	46	69	-2	133	1180	148
Fayette	Lexington(AP)	0.12	12.17	3.33	-0.41	-1.46	94	49	72	0	152	1289	278
Franklin	Frankfort(M)	0.00	11.22	2.73	-0.67	-1.28	91	47	69	-3	133	1157	121
Madison	Richmond(M)	0.14	10.36	3.20	-1.92	-1.16	92	46	68	-3	129	1125	93
Mason	Maysville(M)	0.00	11.76	3.06	-0.47	-1.39	89	47	68	-3	126	1090	234
Eastern KY													
Breathitt	Jackson(AP)	0.00	9.67	3.43	-2.81	-1.27	93	52	71	0	150	1272	203
Harlan	Harlan(M)	0.00	11.04	3.88	-0.77	-0.16	78	48	63	-8	96	667	-302
Lawrence	Louisa(M)	0.00	10.43	2.85	-0.27	-1.30	92	49	68	-2	131	1166	262
Pike	Pikeville(M)	0.00	10.43	2.75	-0.27	-1.40	87	48	68	-2	127	969	65
Pulaski	Somerset(M)	0.00	14.21	5.87	1.93	1.51	93	46	69	-2	134	1093	61
Rowan	Morehead(M)	0.01	14.10	3.39	1.78	-0.96	89	46	66	-4	118	1045	166

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