



Crop Progress and Condition

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In Cooperation with:

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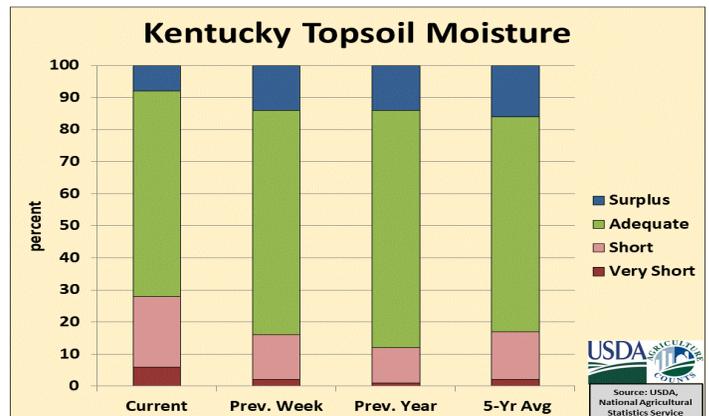
Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.38 inches, 0.61 inches below normal. Temperatures averaged 78 degrees for the week, 1 degree above normal. **Topsoil moisture** was rated 6 percent very short, 22 percent short, 64 percent adequate, and 8 percent surplus. **Subsoil moisture** was rated 5 percent very short, 20 percent short, 68 percent adequate, and 7 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible seven.

Primary activities for this week included scouting fields for disease, spraying, topping tobacco, and cutting hay. Temperatures were very hot and rainfall was sparse over the past week. Accumulations of rain across the state varied greatly with some areas getting very dry. The excessive heat put stress on livestock and pasture ground. Most forage is doing fair due to deep moisture from previous wet periods. Fungicide is being applied to some of the corn crop at this juncture. Sixty-seven percent of corn is in the silking stage while 35 percent of the crop is milking. Forty-two percent of soybeans are blooming with 25 percent setting pods. Tobacco is 33 percent blooming. Fourteen percent of the crop has been topped at this time.

Both corn and soybeans remain in mostly good condition, however stress from intense heat could development if current weather persists. Tobacco is doing well with 62 percent of the crop rated as in good condition. Pastures are in mostly good condition at this time, however hot temperatures and dry weather could take a toll on growth.

SOIL MOISTURE for week ending 07/19/20

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	6	22	64	8
Subsoil	5	20	68	7



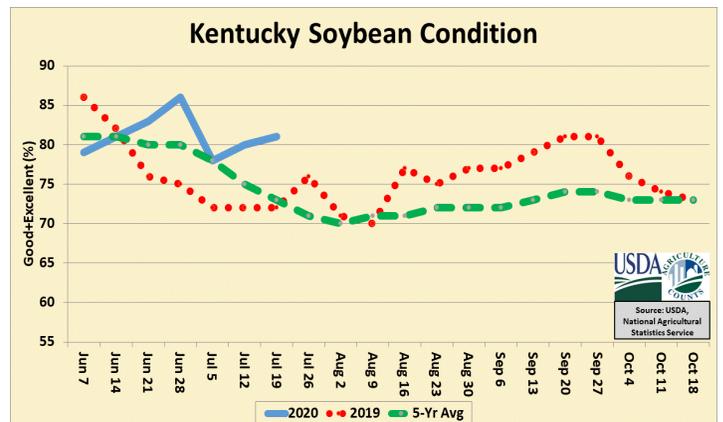
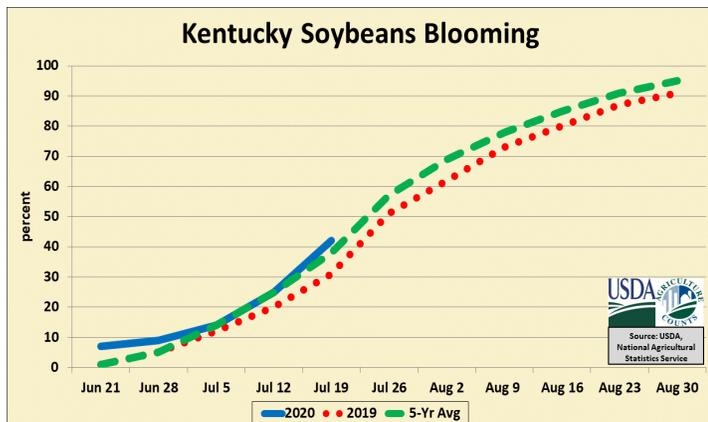
CROP PROGRESS for week ending 07/19/20

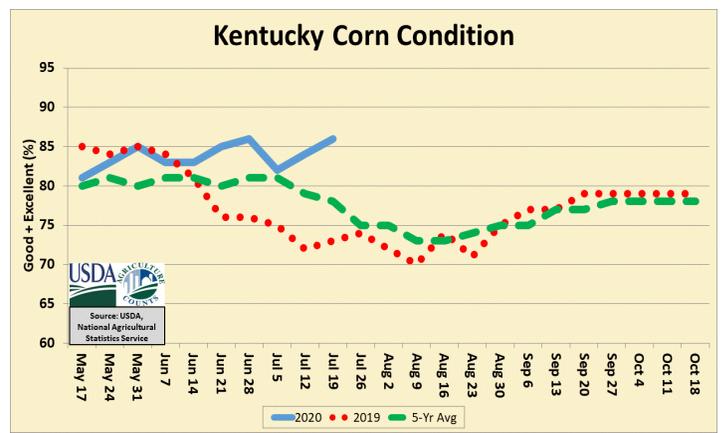
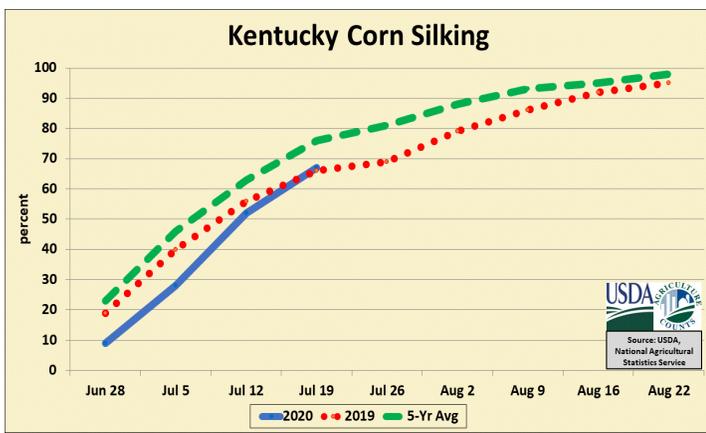
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	67	52	66	76
Corn Milked	35	14	35	40
Corn Dough	13	4	16	19
Corn Dent	2	-	1	1
Soybeans Blooming	42	25	31	38
Soybeans Setting Pods	25	10	8	15
Tobacco Blooming	33	14	33	34
Tobacco Topped	14	4	12	14

CROP CONDITIONS for week ending 07/19/20

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	2	11	68	18
Pasture	5	8	21	57	9
Soybeans	2	4	13	66	15
Tobacco Set	5	7	19	62	7

-1 Represents not available.





**Kentucky Climate Summary
For the Period July 13, 2020 to July 19, 2020**

Above Normal Temperatures and Below Normal Rainfall:

Summer heat was in full force over the course of the period, especially over the latter half of the week with highs consistently jumping into the upper 80s to middle 90s. The most oppressive heat arrived on Sunday with the entire state in the low to middle 90s. A heat advisory was issued for the western half of Kentucky and up into the Northern Bluegrass/Northeastern Kentucky where high humidity pushed heat indices into the 100 to 105 degree range. The intense heat led to stressful conditions for livestock as the livestock heat stress index ran in the danger/emergency category each afternoon and early evening. Looking at rainfall, the state only averaged 0.38 inches for the week, most of which fell on Thursday. Isolated to scattered coverage was common throughout the week, which led to extremely variable accumulations. If caught under a storm, 1 to 2 inches were common, but others missed out and saw very little, many under a tenth of an inch.

Temperatures for the period averaged 78 degrees across the state which was 1 degree warmer than normal and no change to the previous period. High temperatures averaged from 89 in the West to 88 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 70 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at LOUISA 1S and the extreme low was 58 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 0.38 inches statewide which was 0.61 inches below normal and 38% of normal. Precipitation totals by climate division, West 0.50 inches, Central 0.45 inches, Bluegrass 0.20 inches and East 0.36 inches, which was 0.46, 0.56, 0.76 and 0.67 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALBANY 1N to a high of 2.13 inches at POPLAR BLUFF ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/19/20 4 p.m.**

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
Bardstown	1.48	19.84	8.25	4.77	4.09	90	60	78	2	194	1,789	-146
Berea	0.01	18.07	2.06	2.34	-1.83	92	58	78	3	192	1,654	-327
Bowling Green	0.46	14.70	5.86	-1.64	1.70	95	66	82	6	222	2,072	64
Bristol	1.24	13.82	3.63	0.43	-0.08	95	60	79	4	206	1,707	-116
Buckhorn Lake	0.31	19.36	4.22	4.38	0.01	91	62	78	3	192	1,650	-100
Cape Girardeau	0.91	13.17	2.76	-2.09	-0.45	94	65	81	3	218	2,079	-33
Campbellsville	0.61	16.50	5.85	-0.88	1.31	91	60	77	1	192	1,714	-243
Covington	0.73	14.55	4.73	0.08	0.98	95	61	79	4	202	1,799	23
Cumberland Gap	0.00	24.78	4.58	8.40	0.07	95	58	74	-1	167	1,034	-778
Dix Dam	0.39	19.88	7.83	4.21	3.69	91	60	77	2	192	1,734	-187
Evansville	0.56	19.35	8.35	4.61	4.83	93	63	79	1	204	1,967	-30
Glasgow	0.73	16.05	5.40	-1.41	0.77	91	62	78	2	200	1,804	-132
Grayson	0.73	14.73	2.71	0.02	-1.42	96	65	80	5	209	1,733	43
Hardinsburg	1.23	18.37	5.97	2.48	1.91	91	60	78	2	196	1,779	-245
Henderson	1.11	18.50	9.05	3.39	5.41	89	59	77	-1	188	1,801	-248
Huntington	0.20	14.39	1.98	-0.19	-2.15	96	63	81	6	215	1,782	-53
Jackson	1.05	17.33	4.19	1.71	-0.17	93	65	80	5	208	1,862	112
Lexington	0.33	14.74	2.89	-0.33	-1.27	92	59	77	2	190	1,704	-146
London	0.18	19.39	2.85	4.67	-1.15	94	62	79	4	204	1,762	-81
Louisville	0.21	17.61	4.88	2.54	1.08	95	67	82	6	223	2,124	145
Mayfield	0.73	16.93	5.84	0.75	2.08	91	63	78	0	198	1,952	-113
Nashville	0.00	12.03	3.19	-3.22	-0.31	98	69	84	8	238	2,258	103
Nolin Lake	0.95	16.19	5.02	-0.84	0.75	94	61	79	3	200	1,932	82
Paducah	0.00	12.73	3.60	-3.84	-0.18	94	65	81	3	219	2,136	55
Princeton	0.73	17.43	8.07	1.19	4.29	91	63	79	1	200	1,870	-213
Quicksand	0.17	16.30	3.02	0.68	-1.34	93	62	79	4	204	1,709	-41
Somerset	0.73	23.32	5.46	6.66	1.19	92	63	78	3	196	1,679	-195
Spindletop	0.33	15.69	3.19	0.62	-0.97	93	62	79	4	202	1,749	-101
Williamstown	1.14	13.80	3.34	-1.31	-0.57	93	63	78	3	196	1,658	-156

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.