



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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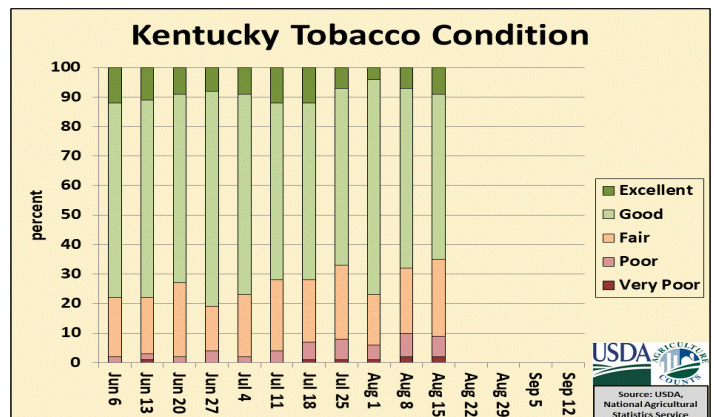
Agricultural News: Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.51 inches, 0.64 inches above normal. Temperatures averaged 79 degrees for the week, 4 degrees above normal. **Topsoil moisture** was rated 7 percent very short, 31 percent short, 58 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 8 percent very short, 25 percent short, 63 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 5.6 out of a possible seven.

Primary activities for this week included spraying, cutting hay, and topping and cutting tobacco. Although a deterrent to fieldwork, the state finally saw some much needed rain in many areas. The scattered rain was accompanied by intense heat for most of the week. It is of note that some areas remain very dry. There were reports of stress to both the corn and soybean crops. Ninety-five percent of the corn crop is in the silking stage while 78 percent of the crop is milking. Sixty percent of corn is doughing with 36 percent of the crop in the denting stage. Eighty-five percent of soybeans are blooming while 72 percent are setting pods. Six percent of soybeans are coloring at this time. With 83 percent of the tobacco crop blooming, topping is 64 percent complete. Tobacco cutting is just getting under way with 6 percent of the crop harvested. The condition of corn, soybeans, and tobacco remain in mostly good condition, however dry weather is taking a toll in some areas.

As farmers cut hay, rain would be beneficial to late cuttings. Pasture growth has been slow in many areas as timely rain would promote regeneration. The recent heat has brought stress on livestock.

SOIL MOISTURE for week ending 08/15/21

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	7	31	58	4
Subsoil	8	25	63	4



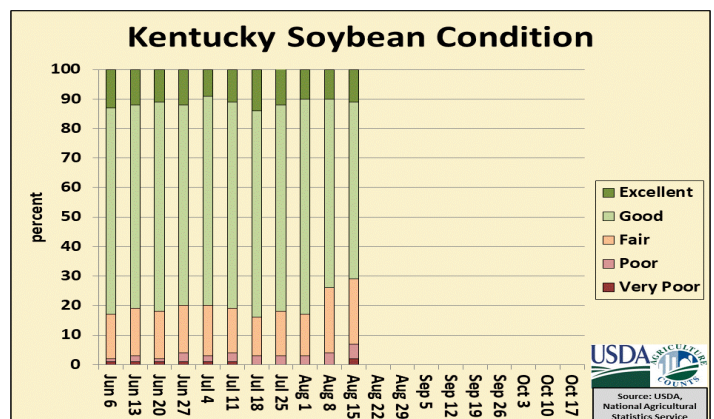
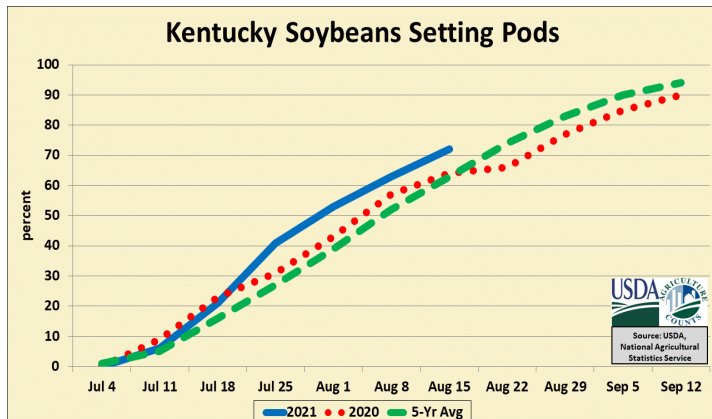
CROP PROGRESS for week ending 08/15/21

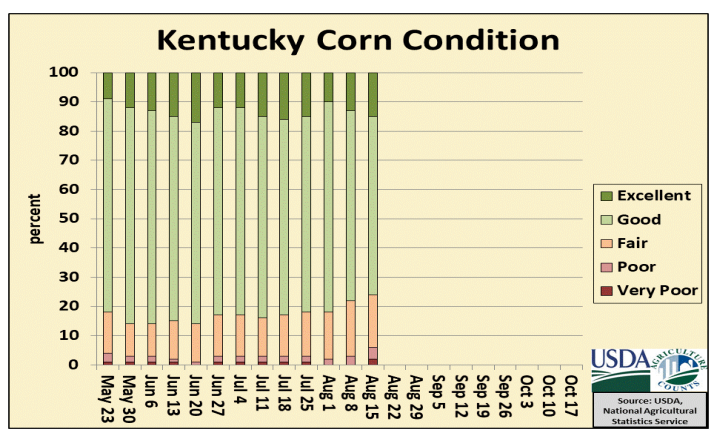
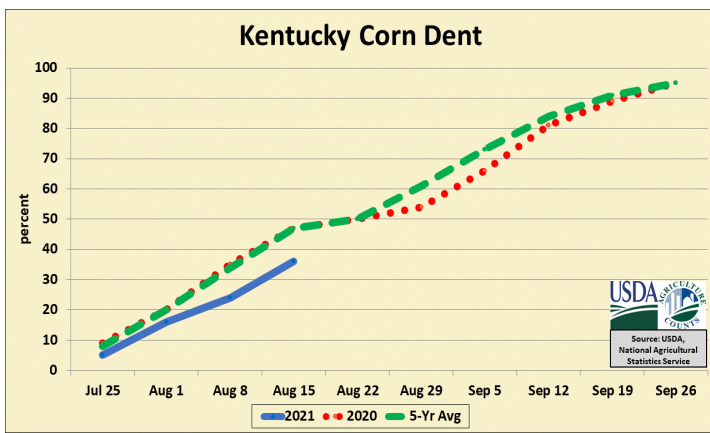
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	95	93	98	97
Corn Milked	78	73	88	85
Corn Dough	60	50	69	69
Corn Dent	36	24	47	47
Soybeans Blooming	85	82	83	82
Soybeans Setting Pods	72	63	64	63
Soybeans Coloring	6	1	8	7
Tobacco Blooming	83	71	84	81
Tobacco Topped	64	50	66	62
Tobacco Cut	6	-	14	11

CROP CONDITIONS for week ending 08/15/21

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	4	18	61	15
Pasture	2	6	26	51	15
Soybeans	2	5	22	60	11
Tobacco Set	2	7	26	56	9

- Represents zero.





Kentucky Climate Summary
For the Period August 9, 2021 to August 15, 2021

Above Normal Temperatures and Rainfall:

Following weeks of dry weather for the western half of Kentucky and up into the Bluegrass, the Commonwealth finally saw some much-welcomed rainfall. Overall, the state averaged 1.51 inches for the week behind multiple rounds of showers and storms. The more significant activity occurred on Monday/Tuesday, carrying over from late in the previous period, and again Friday and into the weekend with the passage of a cold front. In fact, a large number of stations recorded over two inches. Extreme heat accompanied the active pattern with highs peaking in the upper 80s to middle 90s between Tuesday and Friday. An extremely humid airmass pushed heat indices into the 100 to 110 degree range and livestock heat stress back into the danger/emergency categories.

Temperatures for the period averaged 79 degrees across the state which was 4 degrees warmer than normal and 6 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 88 in the East. Departure from normal high temperatures ranged from near normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 72 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at BOWLING GREEN APT and the extreme low was 62 degrees at BURLINGTON 4S.

Precipitation (liq. equ.) for the period totaled 1.51 inches statewide which was 0.64 inches above normal and 173% of normal. Precipitation totals by climate division, West 1.31 inches, Central 1.61 inches, Bluegrass 1.45 inches and East 1.66 inches, which was 0.49, 0.76, 0.58 and 0.7 inches above normal. By station, precipitation totals ranged from a low of 0.05 inches at MAYSVILLE 3SW to a high of 3.76 inches at LIBERTY 3SW.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 08/15/21 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	2.09	21.60	2.12	2.69	-1.88	91	66	78	3	198	2,536	-55
Berea	1.40	19.62	4.44	0.25	0.66	91	65	78	4	196	2,288	-357
Bowling Green	0.77	16.06	1.07	-3.81	-2.62	97	71	83	8	234	2,912	220
Bristol	0.12	12.40	1.65	-4.19	-1.70	94	64	80	6	208	2,370	-88
Buckhorn Lake	1.00	16.61	3.10	-2.01	-0.70	90	67	79	5	202	2,378	31
Cape Girardeau	0.10	18.66	0.17	0.34	-3.00	92	64	81	4	216	2,853	37
Campbellsville	1.70	16.38	2.80	-5.29	-1.66	93	68	79	4	200	2,437	-185
Covington	1.11	21.58	1.33	3.85	-2.07	93	63	79	5	200	2,504	89
Cumberland Gap	2.62	19.11	4.71	-1.41	0.40	91	63	78	4	194	2,456	17
Dix Dam	2.04	22.09	3.00	2.61	-0.97	92	65	78	4	198	2,464	-117
Evansville	2.83	15.11	2.84	-2.69	-0.36	93	69	81	4	218	2,754	76
Glasgow	3.01	21.72	3.10	0.25	-1.08	95	69	81	6	217	2,560	-45
Grayson	2.00	16.63	3.57	-1.77	-0.28	94	66	78	4	199	2,392	94
Hardinsburg	1.03	18.79	1.05	-0.78	-2.78	92	68	80	5	207	2,485	-218
Henderson	1.22	15.10	1.35	-3.12	-1.90	91	68	79	2	202	2,523	-207
Huntington	1.38	24.28	3.89	5.88	-0.08	93	65	80	6	206	2,496	21
Jackson	2.49	19.38	5.69	-0.21	1.55	91	69	80	6	208	2,628	281
Lexington	2.60	21.85	2.85	2.94	-1.15	91	66	77	3	190	2,358	-147
London	2.24	22.46	4.53	4.30	0.93	90	67	79	5	202	2,488	12
Louisville	1.04	17.63	1.05	-0.90	-2.55	96	70	82	7	227	2,993	323
Mayfield	0.02	22.64	2.63	2.87	-1.11	90	64	78	1	196	2,664	-69
Nashville	0.71	19.36	5.69	0.90	2.35	97	71	83	8	232	3,068	195
Nolin Lake	2.44	26.33	2.81	5.54	-1.12	93	69	80	5	212	2,576	93
Paducah	1.00	20.88	1.15	1.07	-2.22	93	67	81	4	215	2,922	142
Princeton	0.49	24.14	1.64	4.30	-2.10	91	68	79	2	206	2,603	-170
Quicksand	2.78	18.85	4.83	-0.74	0.69	91	64	78	4	194	2,376	29
Somerset	1.95	22.01	5.46	1.56	1.51	90	66	77	3	192	2,313	-196
Spindletop	2.32	21.54	2.50	2.63	-1.50	90	67	77	3	190	2,398	-107
Williamstown	1.36	21.47	1.36	2.81	-2.34	90	65	76	2	186	2,288	-163

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.