



# Crop Progress and Condition

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**In Cooperation with:**

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

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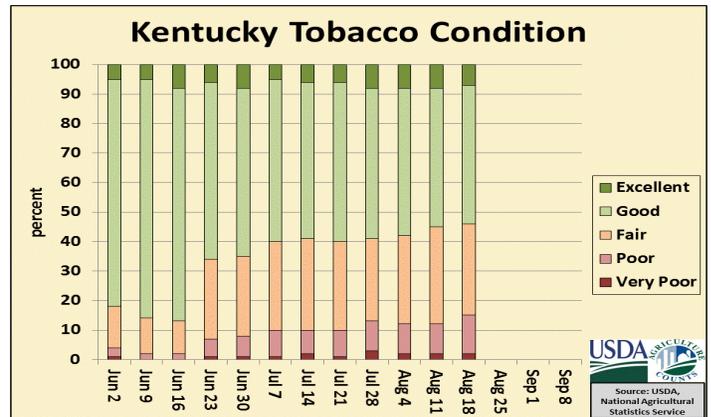
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**Agricultural News:** Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.38 inches, 0.48 inches below normal. Temperatures averaged 78 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 11 percent very short, 38 percent short, 50 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 7 percent very short, 34 percent short, 58 percent adequate, and 1 percent surplus. Days suitable for fieldwork averaged 6.5 out of a possible seven.

Primary activities for this week included topping and cutting of tobacco along with continued hay cutting. Pockets of the state received some much needed rainfall this week, however conditions remain dry on the whole. Crop stages vary dramatically in parts of the state as some crops were replanted due to adverse conditions in the planting season. There were several reports of low hay yields due to the heat and drought. Pastures are also being stressed by the persistent hot and dry conditions.

**SOIL MOISTURE for week ending 08/18/19**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	11	38	50	1
Subsoil	7	34	58	1



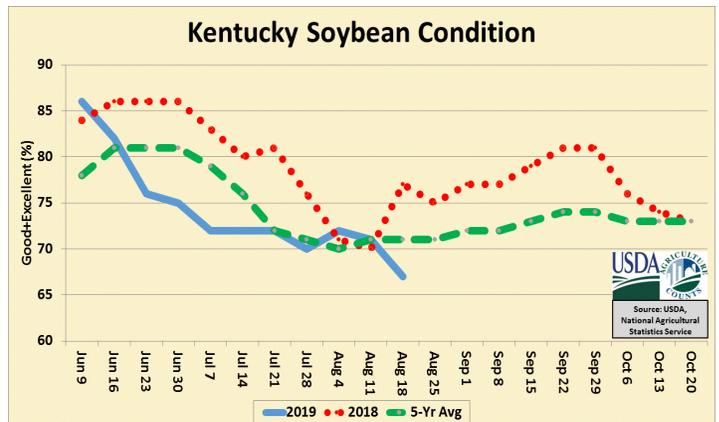
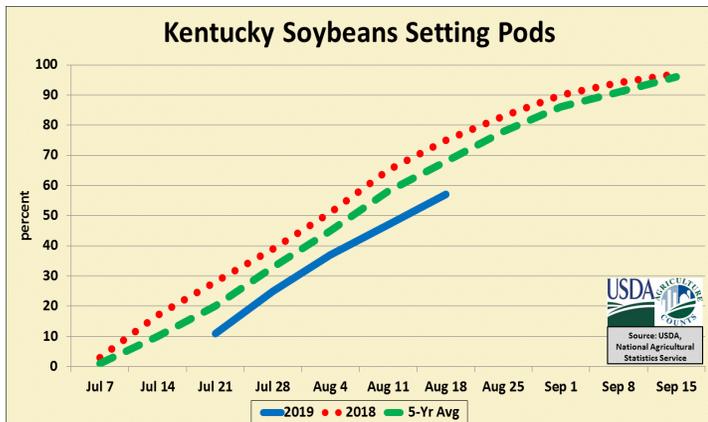
**CROP PROGRESS for week ending 08/18/19**

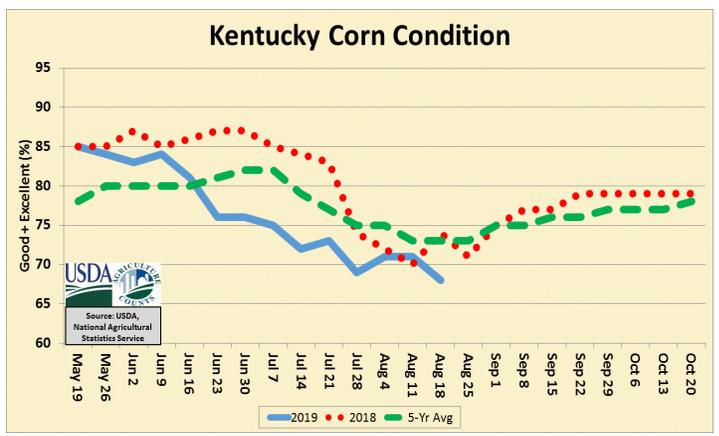
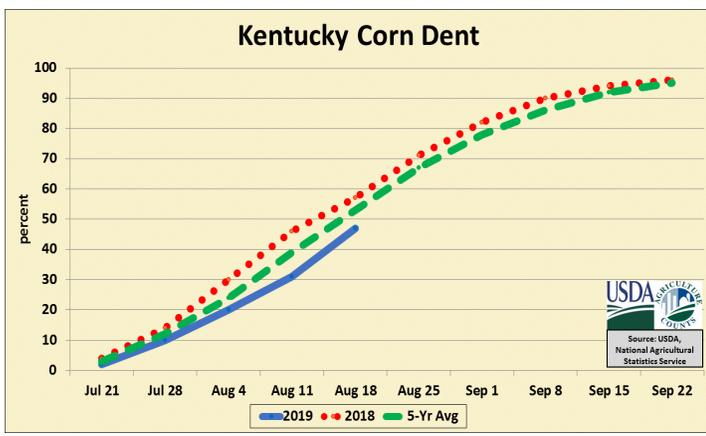
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	95	92	99	98
Corn Milked	82	75	91	88
Corn Dough	69	56	79	74
Corn Dent	47	31	57	53
Corn Mature	12	-1	19	13
Soybeans Blooming	80	73	90	85
Soybeans Setting Pods	57	47	75	68
Soybeans Coloring	10	5	12	8
Tobacco Blooming	85	78	84	84
Tobacco Topped	69	56	67	66
Tobacco Cut	16	6	15	15

**CROP CONDITIONS for week ending 08/18/19**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	3	7	22	50	18
Pasture	5	17	36	39	3
Soybeans	3	7	23	59	8
Tobacco Set	2	13	31	47	7

-1 Represents not available.





**Kentucky Climate Summary  
For the Period August 12, 2019 to August 18, 2019**

Above Normal Temperatures and Below Normal Rainfall:

Kentucky has experienced a dry August thus far with three straight weeks of below normal rainfall. Data at the UK Ag Weather Center shows the state has only averaged 0.92 inches through August 18th, which is almost 1.5 inches below normal. The northern half of the state did see some widespread rainfall on Tuesday morning, but not nearly enough. The rest of the week featured spotty rainfall with little, if any falling across the southern half of the state. 'Abnormally Dry Conditions' were expanded across North Central Kentucky with the Thursday update of the US Drought Monitor, in addition to a small area introduced across Southeastern Kentucky. Bottom line, it has been a dry August for the Bluegrass State. The heat has not helped matters with highs in the middle 80s to low 90s common over the period. A handful of stations even rose into the upper 90s on Sunday.

Temperatures for the period averaged 78 degrees across the state which was 2 degrees warmer than normal and 2 degrees warmer than 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 warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 3 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at LEXINGTON APT and the extreme low was 39 degrees at ALEXANDRIA 5NW.

Precipitation (liq. equ.) for the period totaled 0.38 inches statewide which was 0.48 inches below normal and 44% of normal. Precipitation totals by climate division, West 0.39 inches, Central 0.32 inches, Bluegrass 0.41 inches and East 0.38 inches, which was 0.4, 0.52, 0.46 and 0.55 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BURKESVILLE 3W to a high of 2.62 inches at EVANSVILLE ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 08/18/19 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
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>				
Bardstown	1.20	21.14	2.27	1.85	-1.62	93	61	77	3	190	2,858	195
Berea	0.38	21.71	1.15	1.95	-2.59	96	59	77	3	190	2,710	-8
Bowling Green	0.05	21.03	2.65	0.82	-0.92	95	64	81	7	220	3,242	476
Bristol	0.82	19.86	2.61	2.96	-0.62	93	62	78	4	194	2,880	352
Buckhorn Lake	0.19	20.43	1.55	1.46	-2.13	93	60	77	3	187	2,755	342
Cape Girardeau	0.00	28.67	3.01	10.01	-0.16	95	64	81	5	220	3,124	232
Campbellsville	0.13	19.22	2.32	-2.89	-2.07	92	58	76	2	181	2,726	32
Covington	0.07	23.39	2.20	5.33	-1.11	93	62	78	4	194	2,803	318
Cumberland Gap	0.04	25.99	1.95	5.06	-2.26	80	61	70	-4	141	1,744	-764
Dix Dam	0.34	21.60	1.96	1.75	-1.90	94	62	77	3	190	2,825	172
Evansville	2.62	24.80	5.10	6.69	1.99	91	65	79	3	202	2,978	227
Glasgow	0.32	22.42	1.88	0.56	-2.17	92	60	77	3	190	2,888	210
Grayson	1.06	22.43	3.69	3.66	-0.06	94	60	77	3	191	2,844	479
Hardinsburg	0.86	27.28	1.56	7.35	-2.17	90	62	77	3	188	2,854	77
Henderson	0.58	19.87	2.11	1.34	-1.05	92	62	77	1	190	2,860	57
Huntington	1.74	19.56	4.21	0.78	0.33	93	57	76	2	185	2,692	147
Jackson	0.06	23.11	1.73	3.13	-2.29	94	63	78	4	195	2,893	480
Lexington	0.41	20.24	1.53	0.95	-2.36	97	63	80	6	209	3,020	444
London	0.00	24.21	0.69	5.73	-2.77	94	61	78	4	193	2,888	343
Louisville	0.59	20.96	1.09	2.08	-2.42	96	68	82	8	220	3,344	598
Mayfield	0.00	20.83	1.94	0.69	-1.73	91	60	78	2	192	2,954	147
Nashville	1.47	21.99	6.79	3.19	3.50	97	64	82	8	222	3,463	511
Nolin Lake	0.24	23.86	2.05	2.70	-1.76	94	60	78	4	196	3,040	488
Paducah	0.00	29.53	1.86	9.40	-1.43	95	64	82	6	221	3,182	327
Princeton	0.00	20.13	3.16	-0.10	-0.55	92	61	78	2	198	2,905	56
Quicksand	0.14	21.72	2.67	1.74	-1.35	94	62	77	3	192	2,799	386
Somersets	0.00	23.42	2.39	2.59	-1.46	94	55	75	1	172	2,638	60
Spindletop	0.51	19.54	1.79	0.25	-2.10	97	63	80	6	212	3,012	436
Williamstown	0.54	24.22	3.03	5.19	-0.60	91	60	76	2	182	2,632	112

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