



# 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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**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.35 inches, 0.36 inches above normal. Temperatures averaged 79 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 3 percent short, 78 percent adequate and 19 percent surplus. **Subsoil moisture** was rated 3 percent short, 79 percent adequate, and 18 percent surplus. Days suitable for fieldwork averaged 4.4 out of a possible seven.

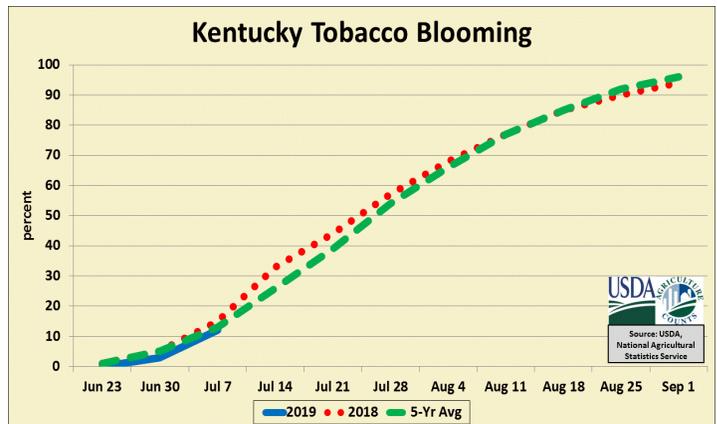
Primary activities this week included harvesting winter wheat, planting double crop soybeans, setting tobacco, spraying crops, and clipping pastures. Low lying areas continue to be impacted by excessive precipitation this season, including prevented planting, drowned out crops, and damage to root systems. The average height of emerged soybeans was 15 inches.

The excessive heat and humidity has started to stress some crops, pastures, and hay fields. Farmers have been cutting hay, with some reports of over-maturity in the first cutting due to wet weather and delays in harvesting.

**SOIL MOISTURE for week ending 07/07/19**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	3	78	19
Subsoil	-	3	79	18

- Represents zero.



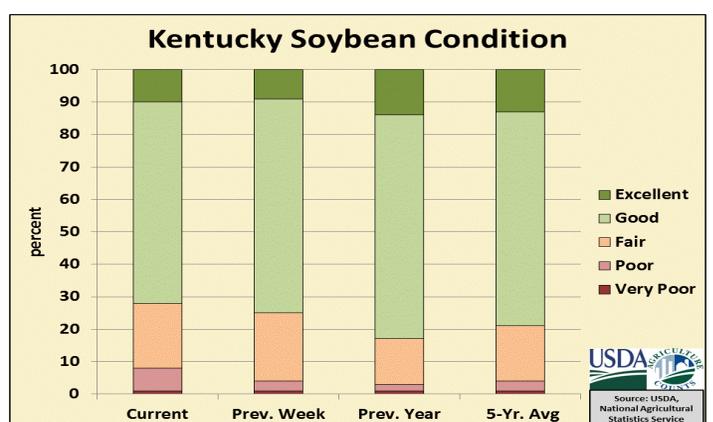
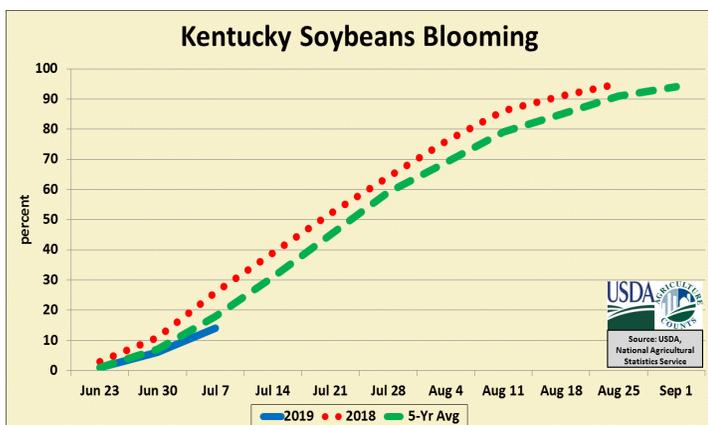
**CROP PROGRESS for week ending 07/07/19**

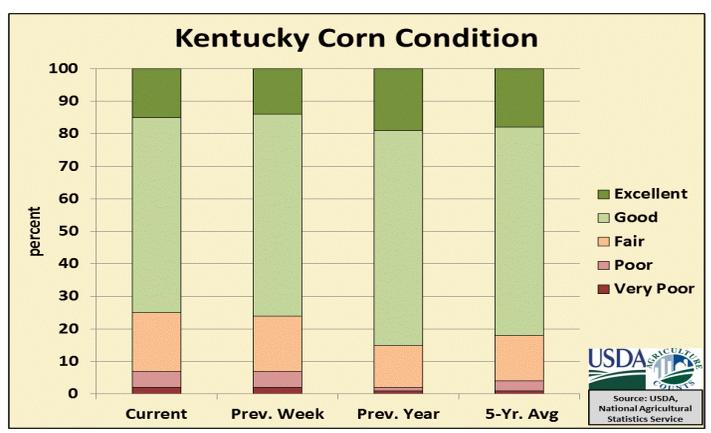
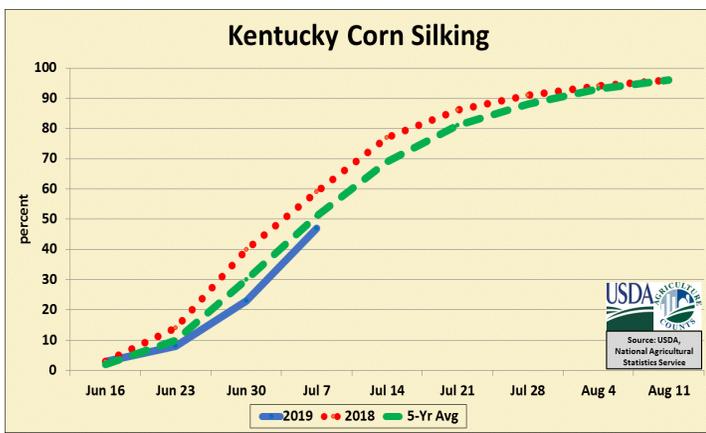
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	47	23	59	51
Corn Milked	8	-	20	15
Soybeans Planted	93	87	98	98
Soybeans Emerged	81	74	94	92
Soybeans Blooming	14	6	26	18
Tobacco Set	95	90	-	-
Tobacco Blooming	12	3	15	13
Winter Wheat Harvested	93	79	-	-

- Shown when data not available.

**CROP CONDITIONS for week ending 07/07/19**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	18	60	15
Pasture	1	5	17	68	9
Soybeans	1	7	20	62	10
Tobacco Set	1	9	30	55	5





**Kentucky Climate Summary  
For the Period July 1, 2019 to July 7, 2019**

Above Normal Temperatures and Rainfall:

The weather this past week followed a repetitive pattern. Each day started with mostly to partly sunny skies, but by late morning to early afternoon, clouds were on the increase. Peak heating brought diurnal rounds of scattered to numerous showers and storms, mainly of the pulse variety and dissipating shortly after sunset. While severe weather was minimal, a moist and very unstable air mass led to torrential downpours, frequent lightning, and occasional gusty winds. Overall, the repetitive pattern led to a state rainfall average of 1.35 inches for the week, over a third of an inch above normal. As an extension to the last week of June, highs remained in the middle 80s to low 90s throughout the week. High dew points pushed peak heat indices into the middle 90s to around 100 at times and kept the livestock heat stress index elevated in the danger category.

Temperatures for the period averaged 79 degrees across the state which was 3 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 86 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to near normal in the East. Low temperatures averaged from 71 degrees in the West to 67 degrees in the East. Departure from normal low temperatures ranged from 4 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at PADUCAH ASOS and the extreme low was 64 degrees at MT STERLING AWOS.

Precipitation (liq. equ.) for the period totaled 1.35 inches statewide which was 0.36 inches above normal and 136% of normal. Precipitation totals by climate division, West 1.41 inches, Central 1.48 inches, Bluegrass 0.67 inches and East 1.83 inches, which was 0.41, 0.49, -0.29 and 0.81 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BURLINGTON 4S to a high of 5.00 inches at SOMERSET.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/07/19 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
	Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Bardstown	0.36	18.30	5.81	5.16	2.12	90	66	78	2	197	1,732	95
Berea	0.54	17.32	4.45	3.30	0.69	90	65	78	3	194	1,642	-39
Bowling Green	1.47	18.05	6.95	3.55	2.96	93	69	81	5	214	1,982	285
Bristol	1.14	16.66	3.96	4.94	0.51	91	65	78	3	196	1,766	228
Buckhorn Lake	2.54	17.55	6.31	4.45	2.31	87	65	75	0	178	1,698	218
Cape Girardeau	0.66	20.98	3.77	7.09	0.54	95	71	82	4	226	1,894	107
Campbellsville	1.58	14.98	4.96	-0.32	0.84	90	67	78	2	198	1,656	0
Covington	0.02	19.63	8.17	6.80	4.52	91	66	80	5	212	1,641	158
Cumberland Gap	2.13	23.40	7.66	9.06	3.49	77	60	69	-6	131	998	-532
Dix Dam	1.04	16.12	6.89	2.37	3.20	90	66	79	4	201	1,722	100
Evansville	0.45	18.89	6.43	5.72	3.07	91	69	80	2	212	1,784	102
Glasgow	1.34	19.41	5.62	4.00	1.20	89	67	78	2	196	1,768	136
Grayson	2.22	16.01	6.42	3.18	2.63	90	66	79	4	200	1,717	297
Hardinsburg	1.55	24.86	7.80	10.81	4.07	90	68	79	3	202	1,736	22
Henderson	0.36	16.19	4.84	2.67	1.26	90	68	79	1	205	1,762	26
Huntington	1.47	14.44	4.24	1.77	0.54	90	58	77	2	188	1,624	79
Jackson	2.85	18.92	8.34	5.33	4.48	88	65	77	2	190	1,780	300
Lexington	0.85	17.14	6.38	4.00	2.69	92	67	80	5	210	1,814	262
London	2.93	21.87	10.82	9.00	7.21	89	66	78	3	192	1,771	215
Louisville	0.75	19.70	5.87	6.37	2.43	93	70	82	6	227	2,019	354
Mayfield	0.64	15.47	3.22	1.03	-0.15	91	68	80	2	212	1,838	74
Nashville	0.70	14.57	5.70	0.85	2.30	93	71	82	6	228	2,147	316
Nolin Lake	1.59	20.84	10.10	5.77	6.22	94	67	79	3	201	1,890	325
Paducah	1.49	24.15	6.01	9.20	2.23	96	68	83	5	228	1,940	179
Princeton	0.85	15.29	4.95	0.71	1.29	91	68	79	1	204	1,779	9
Quicksand	1.76	16.57	7.52	2.98	3.66	89	65	78	3	192	1,686	206
Somerset	0.99	19.42	5.82	4.66	1.75	87	65	76	1	182	1,640	53
Spindletop	0.56	15.94	4.91	2.80	1.22	93	68	81	6	215	1,808	256
Williamstown	1.23	19.60	6.43	6.25	2.77	89	66	78	3	194	1,570	47

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