



# Crop Progress and Condition

**USDA, NASS, Kentucky Field Office**

David Knopf, Director  
PO Box 1120  
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

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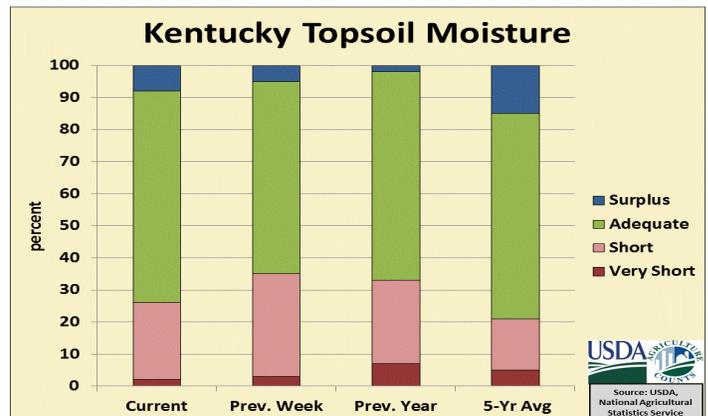
**Agricultural News:** Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.85 inches, 0.88 inches above normal. Temperatures averaged 76 degrees for the week, 1 degree below normal. **Topsoil moisture** was rated 2 percent very short, 24 percent short, 66 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 2 percent very short, 21 percent short, 73 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 5.3 out of a possible seven.

Primary activities this week included applying herbicides and fungicides, topping tobacco, and scouting fields for damage from recent storms.

The above normal rainfall fell mostly in central and eastern portions of the state, which did help to improve crop and pasture conditions in these areas. Western counties still experienced below normal rainfall and continued dry conditions. The severe storms over the weekend brought heavy rainfall, hail, and strong winds. There were some reports of blown over tobacco, lodged corn, and damaged soybean fields.

**SOIL MOISTURE for week ending 07/22/18**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	24	66	8
Subsoil	2	21	73	4



**CROP PROGRESS for week ending 07/22/18**

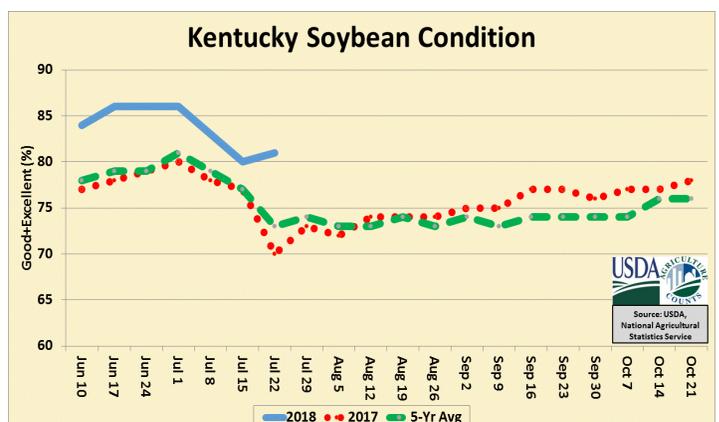
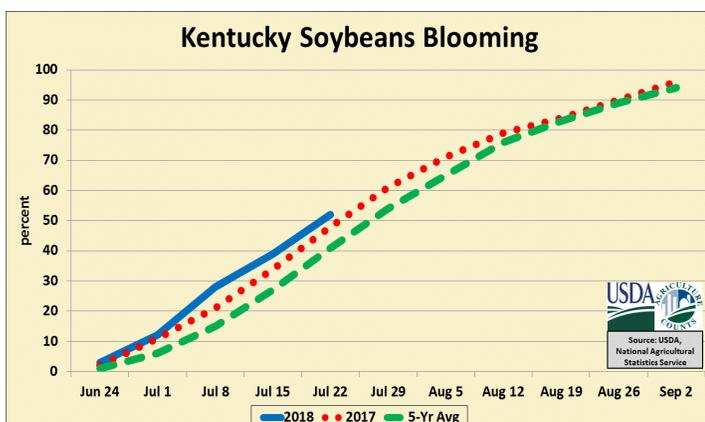
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	86	77	85	75
Corn Milked	53	38	52	38
Corn Dough	32	16	29	19
Corn Dent	5	-	3	3
Soybeans Blooming	52	39	48	41
Soybeans Setting Pods	30	17	26	18
Tobacco Blooming	44	33	45	38
Tobacco Topped	22	12	22	17

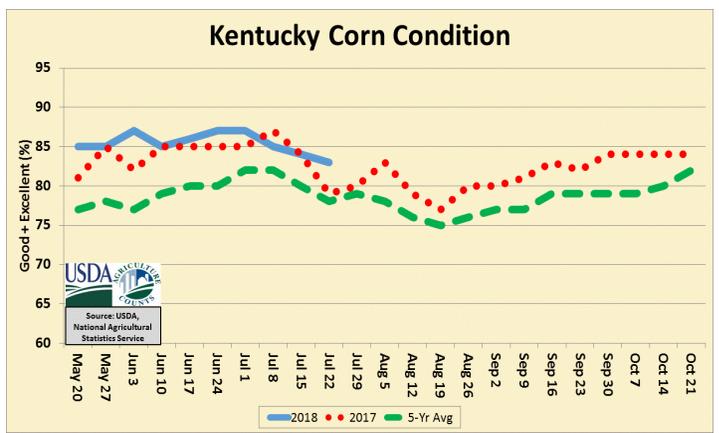
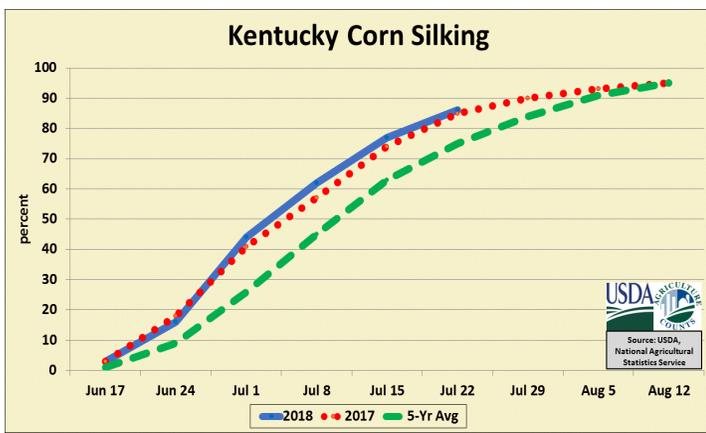
- Represents not available.

**CROP CONDITIONS for week ending 07/22/18**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	-	2	15	68	15
Pasture	2	7	23	58	10
Soybeans	1	2	16	68	13
Tobacco Set	2	7	19	64	8

- Represents zero.





**Kentucky Climate Summary  
For the Period July 16, 2018 to July 22, 2018**

Below Normal Temperatures and Above Normal Rainfall:

Damaging storms developed this past week, in addition to a long awaited break in summer heat. The main focus was Friday as the state sat within a very unstable air mass. Multiple rounds of severe storms moved through the area during the afternoon hours and carrying into the evening/overnight, producing everything from torrential rainfall, large hail, damaging winds, and even a few weak tornadoes. The majority of the severe weather and rainfall was situated across the Bluegrass and Central/Eastern Kentucky. In addition to activity early in the period and over the weekend, these areas averaged over two inches for the week. Western Kentucky missed out on much of the rainfall and averaged under a third of an inch. Temperature-wise, conditions were a bit cooler for the week, especially over the weekend as showers and cloud cover kept highs limited to the middle 70s to middle 80s. Overall, Kentucky temperatures averaged below normal for the week, which is the first time that had happened since the end of April.

Temperatures for the period averaged 76 degrees across the state which was 1 degree cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 88 in the West to 85 in the East. Departure from normal high temperatures ranged from 2 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperatures ranged from 1 degree 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 POPLAR BLUFF ASOS and the extreme low was 55 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 1.85 inches statewide which was 0.88 inches above normal and 191% of normal. Precipitation totals by climate division, West 0.29 inches, Central 1.93 inches, Bluegrass 2.74 inches and East 2.43 inches, which was -0.64, 0.94, 1.80 and 1.42 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at CAMPBELLSVILLE 7W to a high of 5.86 inches at MCKEE 5S.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/22/18 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	0.75	16.56	5.33	1.00	1.05	92	63	76	0	184	2,201	192
Berea	2.16	22.14	6.60	5.98	2.67	87	57	74	-1	167	2,045	-11
Bowling Green	1.78	13.40	4.02	-3.39	-0.18	94	65	80	4	212	2,526	440
Bristol	2.69	17.55	4.03	3.74	0.26	89	64	75	0	176	2,102	207
Buckhorn Lake	1.93	17.18	5.69	1.74	1.43	87	59	74	-1	167	2,120	303
Cape Girardeau	0.27	19.13	7.13	3.53	3.92	94	59	80	2	210	2,480	287
Campbellsville	0.00	15.97	4.12	-1.93	-0.52	91	59	75	-1	178	2,102	69
Covington	2.68	13.58	4.23	-1.30	0.45	90	62	76	1	178	2,206	357
Cumberland Gap	4.39	20.17	9.09	3.28	4.50	89	58	75	0	177	2,116	234
Dix Dam	2.41	21.18	4.95	5.03	0.70	89	60	75	0	174	2,146	150
Evansville	0.17	19.88	4.88	4.75	1.31	93	62	78	0	197	2,390	315
Glasgow	2.67	17.75	7.18	-0.23	2.49	91	63	77	1	186	2,270	258
Grayson	3.52	24.33	5.02	9.15	0.80	87	56	74	-1	164	2,030	273
Hardinsburg	0.86	16.54	5.23	0.18	1.09	92	61	77	1	191	2,302	201
Henderson	0.39	14.92	4.56	-0.58	0.90	91	62	78	0	194	2,428	301
Huntington	3.15	15.64	5.58	0.58	1.34	88	59	75	0	173	2,155	247
Jackson	2.54	18.91	6.38	2.78	1.89	87	62	75	0	172	2,218	401
Lexington	3.55	19.96	5.72	4.40	1.44	89	62	76	1	181	2,264	340
London	3.28	22.25	8.82	7.07	4.72	89	61	76	1	182	2,174	259
Louisville	2.86	18.82	6.71	3.31	2.82	91	66	79	3	200	2,564	506
Mayfield	0.39	17.19	4.32	0.57	0.46	90	66	78	0	200	2,412	271
Nashville	0.00	10.84	0.77	-4.80	-2.76	89	64	75	-1	176	2,498	262
Nolin Lake	2.61	17.21	6.77	-0.30	2.40	91	63	77	1	186	2,346	424
Paducah	0.00	18.59	3.30	1.62	-0.48	95	67	80	2	213	2,564	402
Princeton	0.29	19.68	7.51	3.03	3.70	91	65	78	0	195	2,378	217
Quicksand	3.30	19.60	7.88	3.47	3.39	89	58	75	0	176	2,109	292
Somerset	1.85	23.70	8.72	6.57	4.40	88	60	75	0	173	2,100	154
Spindletop	3.73	26.24	8.71	10.68	4.43	88	63	75	0	174	2,242	318
Williamstown	1.99	20.25	5.18	4.71	1.21	85	62	73	-2	162	2,046	160

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr1 Weather Center (859) 218-4364.