



# 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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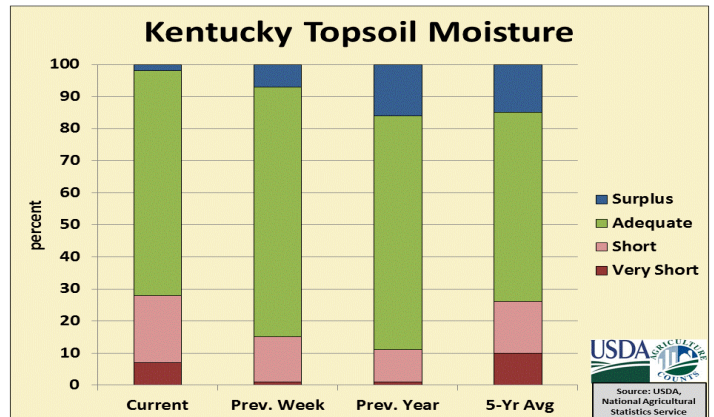
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**Agricultural News:** Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.66 inches, 0.31 inches below normal. Temperatures averaged 80 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 7 percent very short, 26 percent short, 65 percent adequate and 2 percent surplus. **Subsoil moisture** was rated 5 percent very short, 20 percent short, 73 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 6.4 out of a possible seven.

Primary activities this week included spraying of tobacco, corn, and soybeans. Extreme heat and dry conditions have stressed both crops and pasture. Weather impact has been especially visible in pollinating corn and blooming soybeans. There have been some cases of disease in both crops, however not widespread. Even with the dry and hot weather, corn, soybean, and tobacco conditions remain mostly good to fair at this time. Rain over the weekend should improve conditions in some areas.

**SOIL MOISTURE for week ending 07/23/17**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	7	26	65	2
Subsoil	5	20	73	2



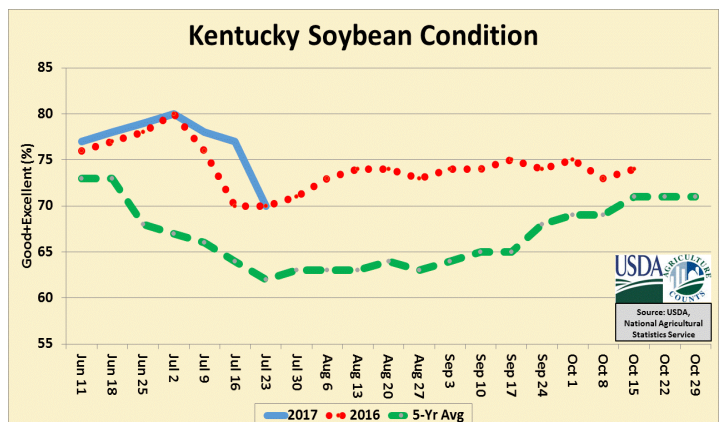
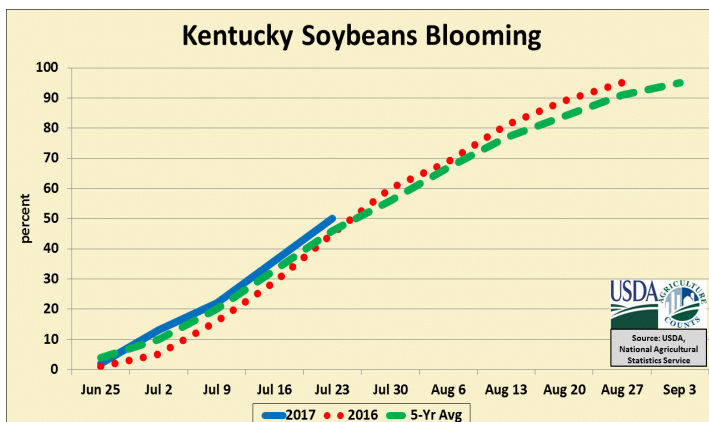
**CROP PROGRESS for week ending 07/23/17**

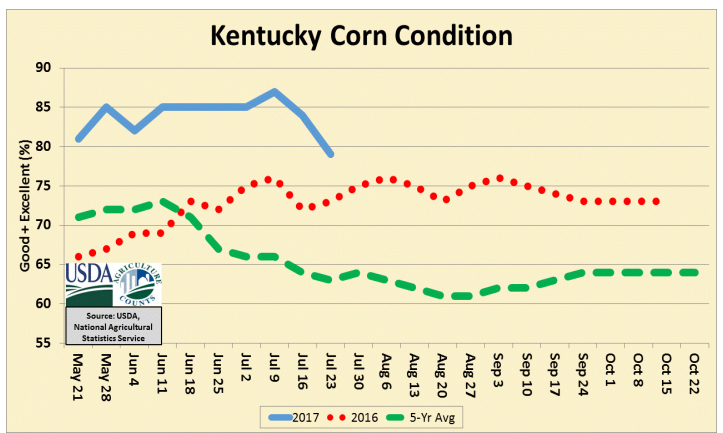
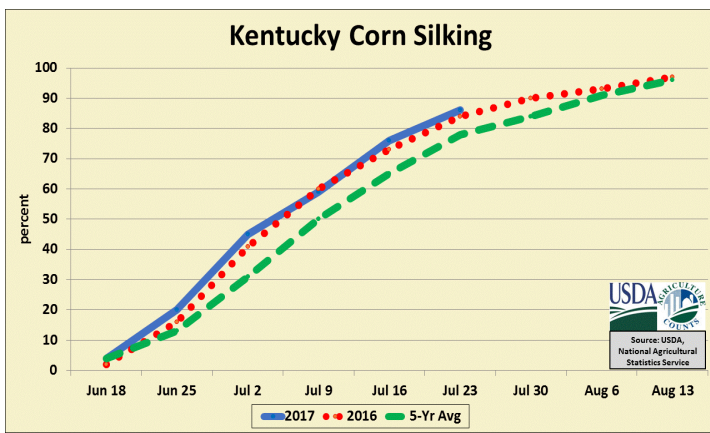
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	86	76	84	78
Corn Milked	54	38	48	42
Corn Dough	31	16	29	22
Corn Dent	4	-	3	5
Soybeans Blooming	50	36	45	46
Soybeans Setting Pods	28	16	17	20
Tobacco Blooming	47	34	28	39
Tobacco Topped	24	13	11	16

- Not available.

**CROP CONDITIONS for week ending 07/23/17**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	3	16	64	15
Pasture	2	5	24	62	7
Soybeans	1	4	25	61	9
Tobacco Set	2	7	23	61	7





**Kentucky Climate Summary  
For the Period July 17, 2017 to July 23, 2017**

Above Normal Temperatures and Below Normal Rainfall:

Kentucky saw an extended stretch of heat and humidity build into the area. The heat peaked on Friday and Saturday with the majority of the state in the low to middle 90s, but some locations even jumped into the upper 90s. While temperatures for the week were not too far from normal, it was the amount of moisture in the air that led to oppressive conditions. Dew points in the low to middle 70s sent heat indices well over 100, approaching 110 at times. A Heat Advisory was issued for much of the state. Livestock heat stress continued to run in the danger to emergency category with not much recovery seen during the overnight hours. Up until the weekend, rainfall continued to be lacking. Only isolated activity was seen over the course of much of the period. That changed for the northern half of Kentucky late Saturday and into Sunday as a couple clusters of storms brought numerous to widespread rain coverage. Overall, other than the Bluegrass area, rainfall was below normal for a second straight week.

Temperatures for the period averaged 80 degrees across the state which was 3 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 92 in the West to 90 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 71 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 3 degrees warmer than normal in the West to 4 degrees warmer than normal in the East. The extreme high temperature for the period was 99 degrees at EVANSVILLE ASOS and the extreme low was 59 degrees at BURKESVILLE 3W.

Precipitation (liq. equ.) for the period totaled 0.66 inches statewide which was 0.31 inches below normal and 68% of normal. Precipitation totals by climate division, West 0.41 inches, Central 0.45 inches, Bluegrass 1.11 inches and East 0.66 inches, which was -0.51, -0.54, 0.17 and -0.35 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 6.77 inches at MAYSVILLE 3SW.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/23/17 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	16.65	2.31	0.93	-2.01	93	63	79	3	204	2,174	140
Berea	0.70	16.86	2.99	0.56	-0.95	93	60	78	3	196	2,036	-45
Bowling Green	0.00	20.93	3.13	3.98	-1.08	97	66	83	7	232	2,435	323
Bristol	0.23	8.09	0.24	-5.86	-3.56	96	58	79	4	202	2,095	176
Buckhorn Lake	0.18	17.71	3.01	2.11	-1.27	94	62	78	3	195	2,080	240
Cape Girardeau	0.00	20.99	1.17	5.27	-2.03	96	67	83	5	230	2,407	187
Campbellsville	0.54	19.60	2.56	1.53	-2.12	95	62	79	3	204	2,090	32
Covington	0.82	19.57	2.99	4.55	-0.80	90	66	79	4	204	2,018	144
Cumberland Gap	0.13	18.50	1.45	1.44	-3.17	94	60	79	4	200	2,102	197
Dix Dam	0.35	14.16	2.87	-2.15	-1.42	94	62	80	5	206	2,122	101
Evansville	2.50	21.72	4.05	6.46	0.47	99	66	83	5	232	2,388	287
Glasgow	0.02	18.19	3.22	0.04	-1.49	93	64	80	4	211	2,250	213
Grayson	2.00	21.71	4.21	6.37	-0.04	91	61	77	2	192	1,946	166
Hardinsburg	0.03	17.43	2.65	0.92	-1.52	96	63	80	4	212	2,188	61
Henderson	0.14	12.01	1.28	-3.62	-2.39	96	63	82	4	222	2,338	185
Huntington	1.01	17.14	4.88	1.92	0.61	92	64	79	4	205	2,130	198
Jackson	0.91	20.67	2.68	4.37	-1.85	92	65	79	4	204	2,185	345
Lexington	0.71	17.24	4.07	1.52	-0.25	94	64	81	6	214	2,223	274
London	0.02	20.77	3.42	5.44	-0.71	95	61	80	5	206	2,140	201
Louisville	1.14	15.19	3.31	-0.47	-0.61	98	70	84	8	240	2,532	448
Mayfield	0.00	19.13	3.93	2.37	0.04	93	62	81	3	217	2,302	136
Nashville	0.02	8.14	0.02	-7.63	-3.52	98	67	83	7	233	2,448	185
Nolin Lake	0.10	19.35	2.74	1.67	-1.66	99	65	82	6	224	2,516	570
Paducah	0.01	21.35	1.97	4.24	-1.81	97	66	84	6	238	2,502	314
Princeton	0.07	15.90	1.80	-0.89	-2.02	94	63	81	3	218	2,300	113
Quicksand	0.82	19.22	2.84	2.92	-1.69	94	62	79	4	200	2,088	248
Somerset	0.00	20.10	4.05	2.81	-0.28	92	61	78	3	194	2,034	64
Spindletop	0.54	22.72	3.54	7.00	-0.78	94	64	73	-2	188	2,181	232
Williamstown	0.51	22.29	2.84	6.60	-1.15	91	63	78	3	196	1,964	54

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