



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
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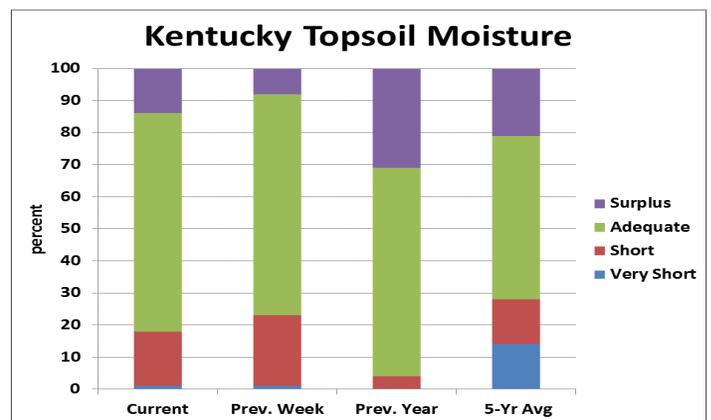
**Agricultural News:** Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.15 inches, 0.16 inches above normal. Temperatures averaged 73 degrees for the week, 2 degrees below normal. **Topsoil moisture** was rated 1 percent very short, 17 percent short, 68 percent adequate and 14 percent surplus. **Subsoil moisture** was rated 1 percent very short, 15 percent short, 76 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible seven.

Heavy rains over the weekend in western and central Kentucky left standing water in some low lying areas, damage to crops has yet to be sufficiently evaluated as farmers continue to monitor. Washing and drowning of corn and soybeans, and scalding and black shank in tobacco are of concern. Fairly dry conditions persisted in eastern areas, with reports of stressed crops in need of rain.

The average height of emerged soybeans was 10 inches, compared to 5 inches last week and 13 inches last year at this time. Pastures, vegetables, and forages were reported in overall good condition. Second cutting of hay has started. Some cattle producers are dealing with pink eye.

**SOIL MOISTURE for week ending 07/03/16**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	17	68	14
Subsoil	1	15	76	8



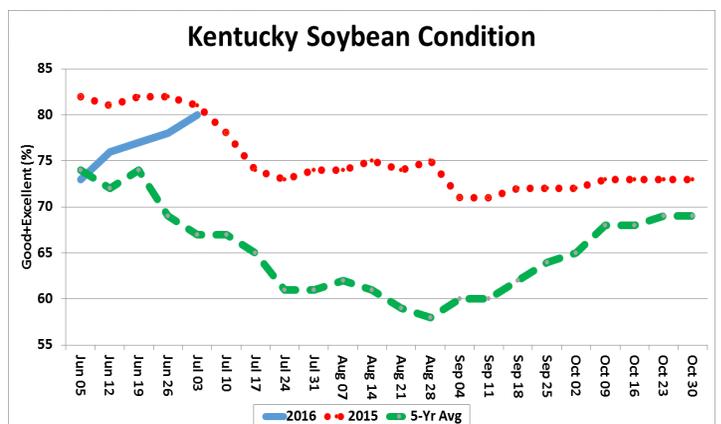
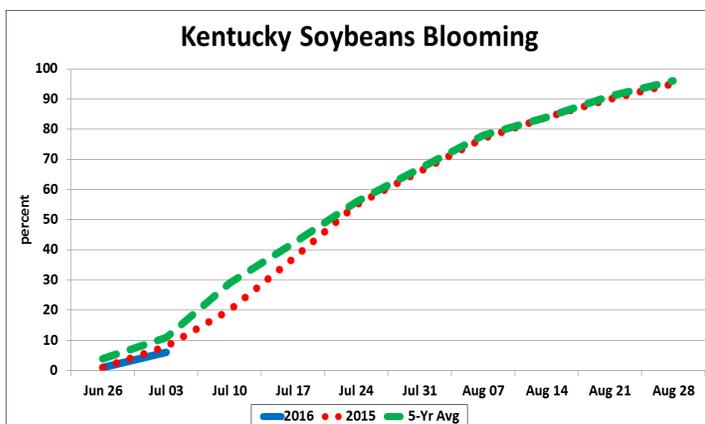
**CROP PROGRESS for week ending 07/03/16**

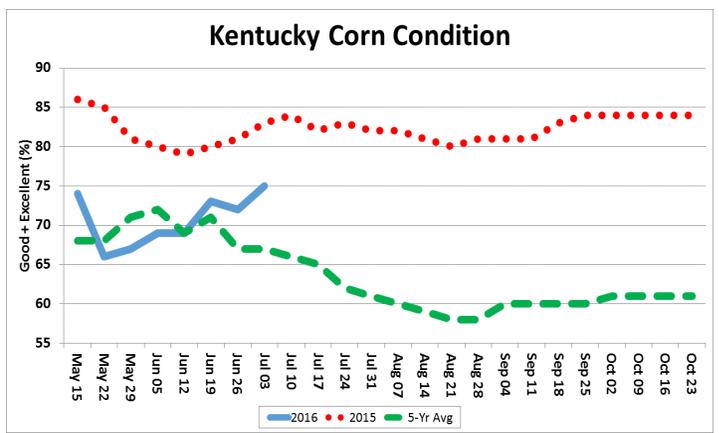
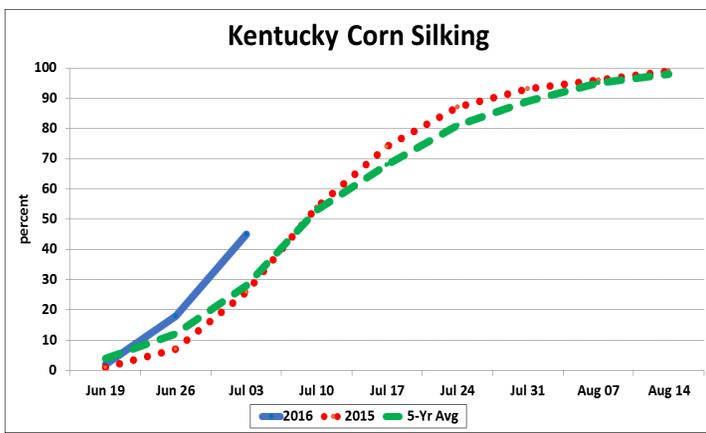
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	45	18	26	28
Corn Milked	8	-	2	4
Soybeans Planted	97	92	94	95
Soybeans Emerged	88	76	85	87
Soybeans Blooming	6	1	8	11
Tobacco Set	97	93	97	98
Tobacco Blooming	5	2	8	7
Winter Wheat Harvested	95	81	87	86

- Represents not available.

**CROP CONDITIONS for week ending 07/03/16**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	4	19	62	13
Livestock	1	2	14	71	12
Pasture	1	6	24	59	10
Soybeans	1	3	16	69	11
Tobacco Set	2	4	25	59	10





**Kentucky Climate Summary  
For the Period June 27, 2016 to July 3, 2016**

Below Normal Temperatures and Above Normal Rainfall:

After seeing five straight weeks of near to above normal temperatures, the Commonwealth caught a break this past period. Following a hot and muggy day on Monday, a couple cold fronts dropped through the Lower Ohio Valley. Winds shifting to the north/northwest led to much cooler and drier air filtering into the area. Temperatures ran below normal on both Wednesday and Thursday with highs in the upper 70s to middle 80s across much of Kentucky. Other than some isolated to scattered activity periodically through the week, most of the Bluegrass State remained dry through Saturday. Widespread activity returned Sunday with storms erupting across Western Kentucky and pushing east. Storms produced torrential rainfall and resulted in significant rainfall accumulations across Western and Central Kentucky. Several locations saw in upwards of an inch of rainfall, with some in excess of three. Overall, this event pushed the state to a second straight week of above normal rainfall.

Temperatures for the period averaged 73 degrees across the state which was 2 degrees cooler than normal and 6 degrees cooler than the previous period. High temperatures averaged from 85 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. Low temperatures averaged from 65 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 1 degree cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 95 degrees at POPLAR BLUFF ASOS and the extreme low was 52 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 1.15 inches statewide which was 0.16 inches above normal and 116% of normal. Precipitation totals by climate division, West 1.76 inches, Central 1.45 inches, Bluegrass 0.78 inches and East 0.60 inches, which was 0.77, 0.47, -0.19 and -0.43 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BOONEVILLE 2S to a high of 4.75 inches at MURRAY 1W.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 07/03/16 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	0.10	11.71	1.99	-0.78	-1.54	88	56	73	-2	162	1,532	-6
Berea	0.94	15.08	3.77	1.63	0.05	86	55	71	-4	144	1,382	-199
Bowling Green	0.09	9.67	1.99	-4.22	-1.94	92	58	77	2	186	1,766	173
Bristol	0.46	10.34	1.21	-0.82	-2.16	91	59	76	1	184	1,517	75
Buckhorn Lake	0.10	12.79	2.02	0.31	-1.91	86	56	72	-3	154	1,449	59
Cape Girardeau	1.28	15.33	1.68	1.90	-1.55	92	59	76	-1	180	1,708	29
Campbellsville	1.32	15.22	1.77	0.61	-2.22	85	54	72	-3	150	1,440	-115
Covington	0.37	10.91	2.57	-1.37	-1.04	90	54	72	-3	152	1,412	27
Cumberland Gap	1.39	16.94	5.25	3.28	1.19	87	55	73	-2	160	1,451	15
Dix Dam	0.03	14.32	2.72	1.21	-0.82	85	56	71	-4	148	1,448	-74
Evansville	1.58	15.43	4.70	2.78	1.40	90	59	75	-2	173	1,582	4
Glasgow	0.17	16.09	3.69	1.37	-0.66	86	56	73	-2	160	1,572	41
Grayson	0.32	15.60	3.53	3.40	-0.14	86	54	69	-6	136	1,345	15
Hardinsburg	0.68	11.04	1.64	-2.39	-1.98	88	55	72	-3	156	1,525	-86
Henderson	0.73	13.70	2.19	0.70	-1.36	87	57	73	-4	163	1,632	0
Huntington	0.08	16.31	5.75	4.27	2.19	88	57	73	-2	159	1,494	46
Jackson	1.87	16.26	3.60	3.35	-0.09	87	61	73	-2	164	1,550	160
Lexington	0.00	14.35	2.19	1.86	-1.34	89	57	74	-1	166	1,530	77
London	0.12	11.60	1.51	-0.66	-1.97	90	56	75	0	176	1,532	72
Louisville	0.14	12.59	3.85	-0.16	0.53	89	61	76	1	180	1,758	198
Mayfield	0.58	20.15	3.00	6.29	-0.24	89	55	74	-3	168	1,640	-23
Nashville	0.55	7.91	2.96	-5.29	-0.40	95	59	78	3	198	1,912	189
Nolin Lake	0.05	12.94	3.35	-1.48	-0.41	91	57	76	1	179	1,766	297
Paducah	0.52	10.77	0.97	-3.64	-2.81	94	58	77	0	188	1,776	122
Princeton	0.45	12.90	1.56	-1.13	-2.06	89	56	73	-4	164	1,585	-81
Quicksand	1.94	17.08	3.74	4.17	0.05	87	58	72	-3	156	1,414	24
Somerset	0.59	14.31	2.43	0.18	-1.58	85	55	72	-3	150	1,428	-63
Spindletop	0.74	18.90	3.03	6.41	-0.50	88	57	74	-1	166	1,526	73
Williamstown	1.04	15.93	5.75	3.16	2.17	85	55	70	-5	136	1,346	-81

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