



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
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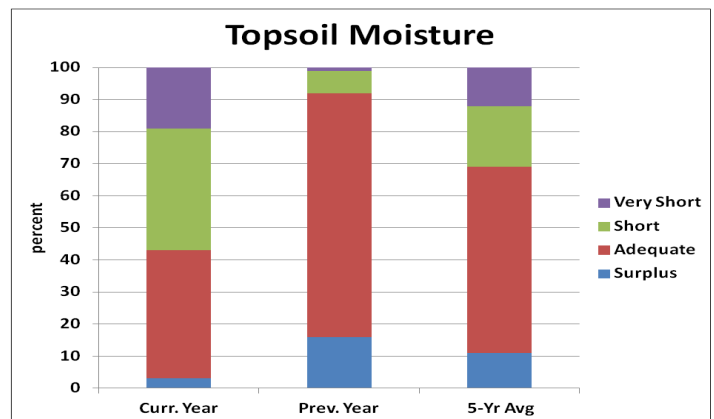
**Agricultural News:** Kentucky experienced unusually cool temperatures and dry conditions over the past week. Precipitation for the week totaled 0.23 inches, 0.74 inches below normal. Temperatures averaged 70 degrees for the week, 6 degrees below normal. **Topsoil moisture** was rated 19 percent very short, 38 percent short, 40 percent adequate and 3 percent surplus. **Subsoil moisture** was rated 14 percent very short, 36 percent short, 47 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 6.3 out of a possible seven.

Primary activities this week included harvesting hay, topping tobacco and general farm maintenance. Lack of rainfall continues to be a concern for many farmers as moderate drought conditions expanded to more areas of the state. As a result of the dry weather, crop conditions continue to deteriorate, especially in corn and soybeans. Early planted crops appear to be fairing better than later planted crops. Grain crops are reportedly maturing early and lack of adequate rainfall is causing concern regarding corn kernel fill and soybean pod fill. Some fields of double crop soybeans are showing severe stand problems and in some instances have yet to germinate due to a lack of moisture. There were reports of fall armyworms in corn and stink bugs in soybeans, but not causing major problems at this point. Some livestock producers are feeding hay, which will cut into their winter supplies. Hay and roughage supplies were reported as 4 percent very short, 26 percent short, 63 percent adequate, and 7 percent surplus. The cool temperatures have benefitted livestock.

**SOIL MOISTURE for week ending 08/03/14**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	19	38	40	3
Subsoil	14	36	47	3

- Represents zero.



**CROP PROGRESS for week ending 08/03/14**

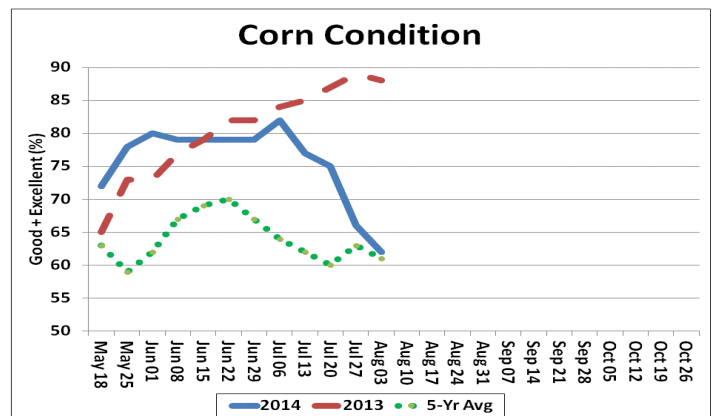
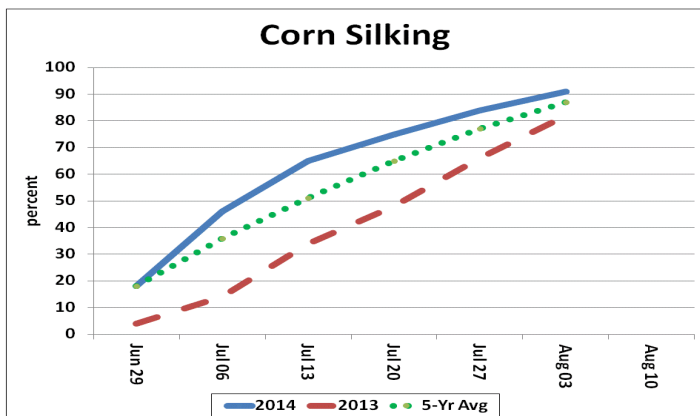
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	91	84	82	87
Corn Milked	65	51	49	61
Corn Dough	42	30	23	37
Corn Dent	18	11	8	18
Soybeans Blooming	65	53	52	68
Soybeans Setting Pods	43	31	26	39
Soybeans Coloring	1	-	-	-
Tobacco Blooming	67	54	58	59
Tobacco Topped	39	24	31	33

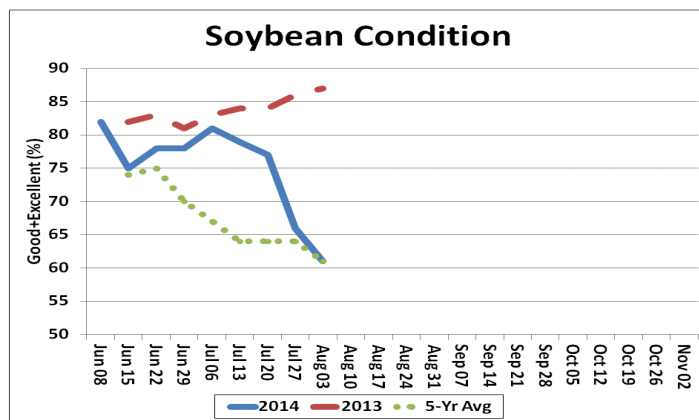
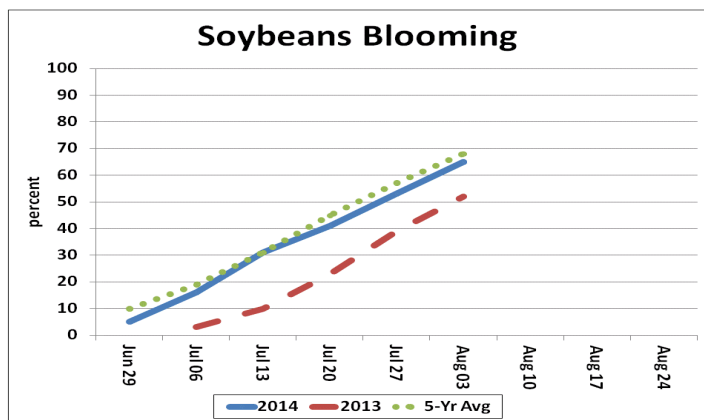
- Represents data not available.

**CROP CONDITIONS for week ending 08/03/14**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	4	11	23	50	12
Hay	4	15	30	45	6
Livestock	1	4	22	63	10
Pasture	7	15	36	38	4
Soybeans	3	9	27	50	11
Tobacco Set	2	4	25	55	14

- Represents zero.





**Kentucky Climate Summary  
For the Period July 28, 2014 to August 3, 2014**

Below Normal Temperatures and Rainfall:

The unusual pattern of cool temperatures and dry conditions continued through the end of July and early August. Normally once of the warmest times of the year, each day this week saw below normal temperatures, both during the day and at night. The coolest temperatures were felt early in the work week as Kentucky was under the influence of a Canadian air mass and northwesterly flow. Most locations only rose into the 70s Monday through Wednesday. Some locations even broke record lows on Monday night. A handful of stations dropped into the upper 40s, which is around 20 degrees below normal for this time of the year. The cool pattern led to the fifth straight week of near to below normal temperatures. Looking at rainfall, it was another dry week across the Commonwealth. The only significant activity was Saturday when showers and storms were isolated to scattered in coverage. The state as a whole averaged under a quarter inch for the week, but the majority came across the Eastern half of the state. Western Kentucky was once again spared and resulted in Moderate Drought being introduced to a large section of West-Central Kentucky by the US Drought Monitor. This was the seventh straight week Western Kentucky has seen below normal precipitation.

Temperatures for the period averaged 70 degrees across the state which was 6 degrees cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 83 in the West to 78 in the East. Departure from normal high temperatures ranged from 6 degrees cooler than normal in the West to 9 degrees cooler than normal in the East. Low temperatures averaged from 59 degrees in the West to 59 degrees in the East. Departure from normal low temperature ranged from 8 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. The extreme high temperature for the period was 92 degrees at BOWLING GREEN 4E and the extreme low was 48 degrees at BLACK MOUNTAIN ARC.

Precipitation (liq. equ.) for the period totaled 0.23 inches statewide which was 0.74 inches below normal and 24% of normal. Precipitation totals by climate division, West 0.07 inches, Central 0.08 inches, Bluegrass 0.23 inches and East 0.55 inches, which was 0.86, 0.88, 0.73 and 0.49 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 2.04 inches at PAINTSVILLE 4W.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 08/03/14 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	0.00	15.49	-2.46	-1.90	-2.46	85	52	69	-7	134	2,315	10
Berea	0.24	19.01	0.80	1.18	0.80	83	51	67	-8	118	2,141	-213
Bowling Green	0.00	13.78	-1.87	-4.73	-1.87	90	55	73	-3	158	2,561	167
Bristol	0.00	13.53	1.46	-1.84	1.46	84	51	69	-6	134	2,264	85
Buckhorn Lake	0.25	13.93	1.23	-3.27	1.23	83	51	68	-7	123	2,291	206
Cape Girardeau	0.00	23.33	-1.16	6.36	-1.16	87	56	71	-7	148	2,472	-40
Campbellsville	0.00	19.07	-0.90	-0.83	-0.90	83	52	68	-8	126	2,248	-84
Covington	0.18	18.61	-1.52	2.18	-1.52	86	50	70	-5	138	2,204	66
Cumberland Gap	0.60	17.13	2.00	-1.71	2.00	83	52	69	-6	134	2,246	84
Dix Dam	0.00	16.42	-0.36	-1.55	-0.36	84	50	68	-7	127	2,262	-30
Evansville	0.00	21.83	-1.76	5.23	-1.76	88	58	73	-5	162	2,458	74
Glasgow	0.00	16.29	-2.37	-3.62	-2.37	87	53	70	-6	142	2,434	121
Grayson	0.39	17.92	-0.57	0.97	-0.57	81	51	67	-8	121	2,082	54
Hardinsburg	0.22	16.49	-2.82	-1.62	-2.82	88	52	71	-5	147	2,387	-21
Henderson	0.00	19.55	-2.02	2.55	-2.02	87	54	71	-7	146	2,386	-49
Huntington	0.87	18.53	0.25	1.66	0.25	82	53	67	-8	122	2,151	-45
Jackson	0.85	16.84	1.33	-1.20	1.33	84	52	69	-6	131	2,392	307
Lexington	0.11	20.02	-1.32	2.63	-1.32	86	51	70	-5	138	2,392	173
London	0.01	16.83	2.84	-0.05	2.84	85	54	71	-4	144	2,411	212
Louisville	0.05	16.44	-0.61	-0.72	-0.61	89	54	74	-2	165	2,672	303
Mayfield	0.15	20.80	-3.34	2.51	-3.34	89	54	72	-6	152	2,440	0
Nashville	0.24	18.70	-1.17	1.58	-1.17	91	58	75	-1	174	2,713	155
Nolin Lake	0.42	16.55	-1.85	-2.79	-1.85	89	53	71	-5	150	2,631	426
Paducah	0.00	19.51	-2.59	1.00	-2.59	90	56	74	-4	166	2,711	233
Princeton	0.00	15.27	-2.83	-3.02	-2.83	90	51	71	-7	150	2,424	-47
Quicksand	1.15	17.08	2.76	-0.96	2.76	84	54	69	-6	134	2,222	137
Somerset	0.00	17.56	-1.99	-1.37	-1.99	84	51	68	-7	124	2,166	-65
Spindletop	0.00	17.60	-1.28	0.21	-1.28	86	52	70	-5	138	2,336	117
Williamstown	0.12	17.19	-0.32	-0.03	-0.32	84	51	68	-7	127	2,158	-15

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