



Crop Progress and Condition

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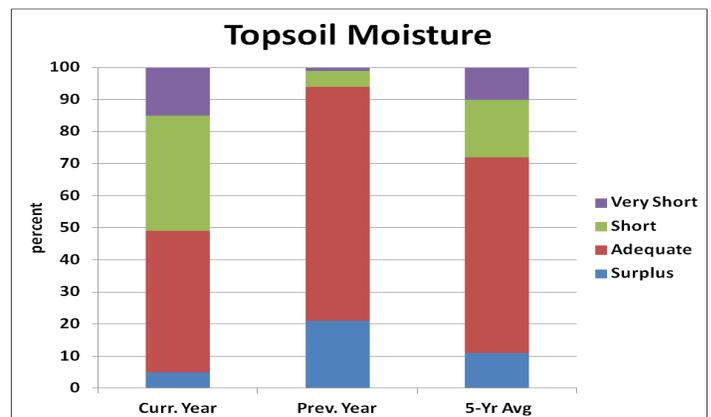
Agricultural News: Kentucky experienced a mix of heat, severe weather, and cool conditions over the past week. Precipitation for the week totaled 1.17 inches, 0.21 inches above normal. Temperatures averaged 75 degrees for the week, 2 degrees below normal. **Topsoil moisture** was rated 15 percent very short, 36 percent short, 44 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 12 percent very short, 32 percent short, 51 percent adequate, and 5 percent surplus. Days suitable for fieldwork averaged 5.9 out of a possible seven.

Primary activities this week included spraying soybeans, baling hay, topping tobacco, and general farm maintenance. Rains continue to be scattered, providing improvement in pasture and crop conditions in some areas. However, dry conditions have continued throughout other areas of the state and pasture and crop conditions continue to deteriorate. There were some reports of corn twisting due to lack of adequate rainfall. High winds resulted in corn and tobacco being blown over in a few locations. Some farmers reported soybeans are wilting in the afternoons and a few are replanting double crop soybeans. Pastures continue to deteriorate in areas and more farmers are beginning to feed hay. There were a few reports of disease issues in vegetables.

SOIL MOISTURE for week ending 07/27/14

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	15	36	44	5
Subsoil	12	32	51	5

- Represents zero.



CROP PROGRESS for week ending 07/27/14

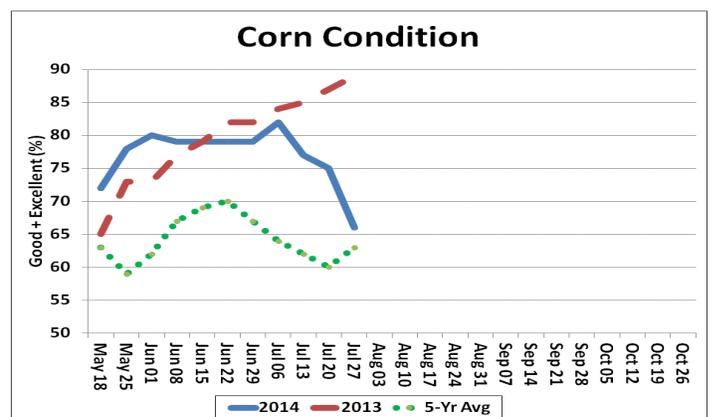
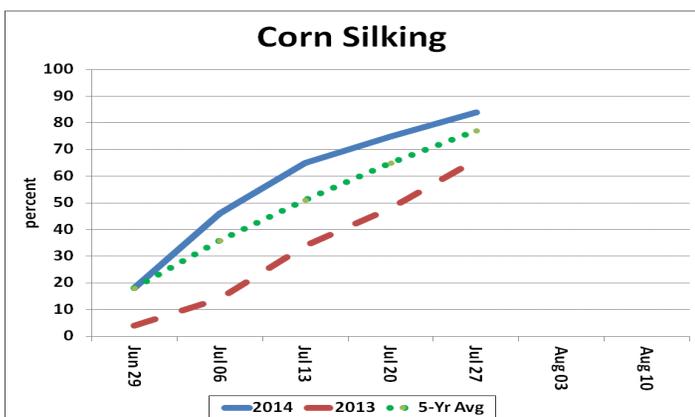
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	84	75	66	77
Corn Milked	51	36	23	45
Corn Dough	30	18	7	23
Corn Dent	11	4	-	7
Soybeans Blooming	53	41	39	57
Soybeans Setting Pods	31	18	14	25
Tobacco Blooming	54	38	45	44
Tobacco Topped	24	16	20	21

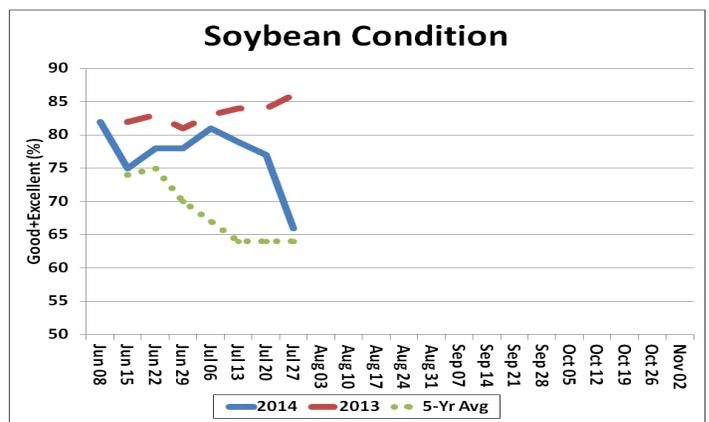
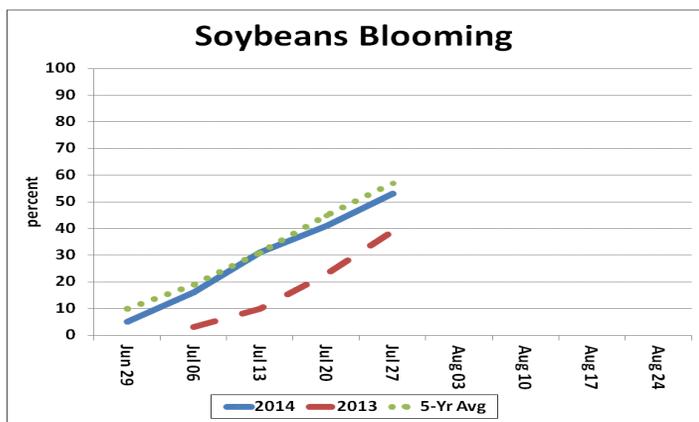
- Represents data not available.

CROP CONDITIONS for week ending 07/27/14

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	3	9	22	49	17
Pasture	6	14	37	39	4
Soybeans	2	7	25	52	14
Tobacco Set	2	6	24	54	14

- Represents zero.





**Kentucky Climate Summary
For the Period July 21, 2014 to July 27, 2014**

Below Normal Temperatures and Above Normal Rainfall:

It was a very active week across the Commonwealth this past period with a mix of summer heat, severe weather, and cool conditions. Temperatures were warm to start the week with highs in the upper 80s to middle 90s on Monday and Tuesday. Dewpoints in the upper 60s to low 70s pushed the heat index toward the triple digits. Attention then turned toward a welcoming cold front on Wednesday. After an initial round of scattered showers and storms, cooler and much drier air moved into the Bluegrass State for the second half of the work week. Many locations saw temperatures well below normal, staying in the mid 70s to low 80s. After a warm day Saturday, the rest of the weekend was dominated by an unsettled pattern. A line of storms worked through much of the state late Saturday night, before scattered to numerous storms fired on Sunday. Both were accompanied by isolated reports of damaging winds and large hail. Portions of Lexington saw straight line winds around 95 mph, while one report from Leslie County measured hail at over 4 inches in diameter, nearly the size of a softball. Over the course of the period, much of the state saw significant rainfall in excess of an inch, but the same cannot be said for Western Kentucky where the dry trend continues with a quarter inch on average. This was the second straight week of above normal rainfall after an extended period of dry conditions. Average temperatures were also near to below normal for the fourth straight week.

Temperatures for the period averaged 75 degrees across the state which was 2 degrees cooler than normal and 6 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 82 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 5 degrees cooler than normal in the East. Low temperatures averaged from 64 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 3 degrees cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 97 degrees at HARTFORD 3E and the extreme low was 52 degrees at BLACK MOUNTAIN ARC.

Precipitation (liq. equ.) for the period totaled 1.17 inches statewide which was 0.21 inches above normal and 122% of normal. Precipitation totals by climate division, West 0.24 inches, Central 1.23 inches, Bluegrass 1.59 inches and East 1.61 inches, which was -0.67, 0.26, 0.64 and 0.61 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BOWLING GREEN 5S to a high of 5.22 inches at WHITLEY CITY 3N.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/27/14 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
	<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	0.03	15.49	-2.08	-0.87	-2.08	92	55	74	-2	169	2,180	46
Berea	1.37	18.77	0.62	1.90	0.62	89	58	74	-1	164	2,023	-158
Bowling Green	0.05	13.78	-1.73	-3.78	-1.73	96	54	79	3	204	2,402	186
Bristol	2.05	13.53	1.38	-0.97	1.38	90	59	75	0	173	2,130	116
Buckhorn Lake	2.45	13.68	0.90	-2.55	0.90	88	59	72	-3	158	2,168	238
Cape Girardeau	1.09	23.33	-0.28	7.16	-0.28	95	58	75	-3	177	2,323	-5
Campbellsville	1.71	19.07	-0.83	0.30	-0.83	89	54	74	-2	170	2,122	-36
Covington	0.99	18.43	-1.12	2.87	-1.12	91	55	74	-1	169	2,066	95
Cumberland Gap	0.77	16.53	1.39	-1.21	1.39	87	60	74	-1	172	2,112	113
Dix Dam	1.47	16.42	0.77	-0.53	0.77	89	54	74	-1	170	2,136	16
Evansville	0.36	21.83	0.38	6.05	0.38	94	57	76	-2	182	2,297	91
Glasgow	0.39	16.29	-2.31	-2.54	-2.31	92	55	77	1	190	2,292	153
Grayson	0.89	17.53	-1.04	1.57	-1.04	89	53	73	-2	162	1,961	91
Hardinsburg	0.66	16.27	-2.18	-0.85	-2.18	97	53	77	1	187	2,240	9
Henderson	0.20	19.55	-1.21	3.39	-1.21	93	53	75	-3	175	2,239	-18
Huntington	0.79	17.66	-0.68	1.81	-0.68	91	54	74	-1	166	2,030	1
Jackson	1.45	15.99	0.44	-0.98	0.44	89	59	73	-2	163	2,261	331
Lexington	1.33	19.91	-0.90	3.55	-0.90	91	55	76	1	181	2,254	205
London	1.07	16.82	2.73	0.87	2.73	91	59	76	1	181	2,267	233
Louisville	1.77	16.39	-0.32	0.15	-0.32	94	60	79	3	203	2,507	318
Mayfield	0.01	20.65	-3.27	3.31	-3.27	91	57	76	-2	180	2,289	23
Nashville	0.32	18.46	-1.03	2.18	-1.03	94	62	80	4	207	2,538	167
Nolin Lake	0.97	16.13	-2.15	-2.20	-2.15	96	56	78	2	197	2,481	440
Paducah	0.22	19.51	-1.74	1.86	-1.74	95	57	77	-1	189	2,546	251
Princeton	0.11	15.27	-2.30	-2.08	-2.30	92	54	75	-3	176	2,274	-18
Quicksand	2.84	15.93	1.59	-1.04	1.59	90	60	74	-1	168	2,088	158
Somerset	0.76	17.56	-1.93	-0.36	-1.93	89	56	74	-1	170	2,041	-25
Spindletop	2.05	17.60	-1.07	1.24	-1.07	92	55	76	1	183	2,198	149
Williamstown	1.91	17.07	-0.39	0.79	-0.39	92	55	74	-1	170	2,030	23

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