



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

Released: July 21, 2014

Issue: 16-14

Agricultural News: Kentucky experienced scattered rainfall over the past week. Precipitation for the week totaled 1.48 inches, 0.49 inches above normal. Temperatures averaged 70 degrees for the week, 7 degrees below normal. **Topsoil moisture** was rated 13 percent very short, 35 percent short, 47 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 10 percent very short, 33 percent short, 52 percent adequate, and 5 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible seven.

Primary activities this week included spraying soybeans, baling hay, and general farm maintenance. Parts of the state received much needed rainfall this week, providing improvement in pasture and crop conditions. However, some areas still remain dry and pasture and crop conditions continue to deteriorate. Some cattle producers are beginning to feed hay. There were a few reports of black shank problems starting to appear in tobacco.

SOIL MOISTURE for week ending 07/20/14

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	13	35	47	5
Subsoil	10	33	52	5

- Represents zero.

CROP PROGRESS for week ending 07/20/14

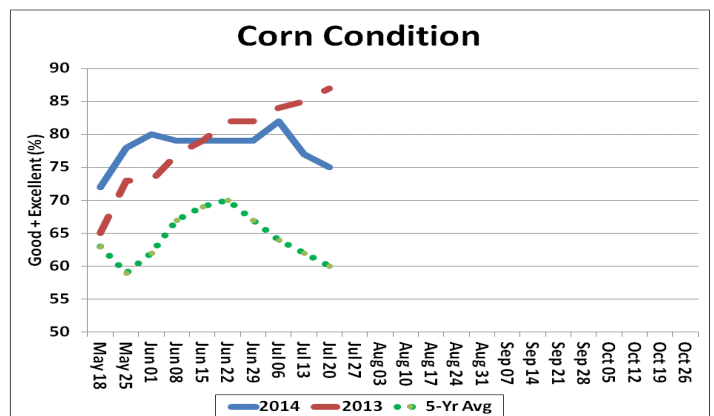
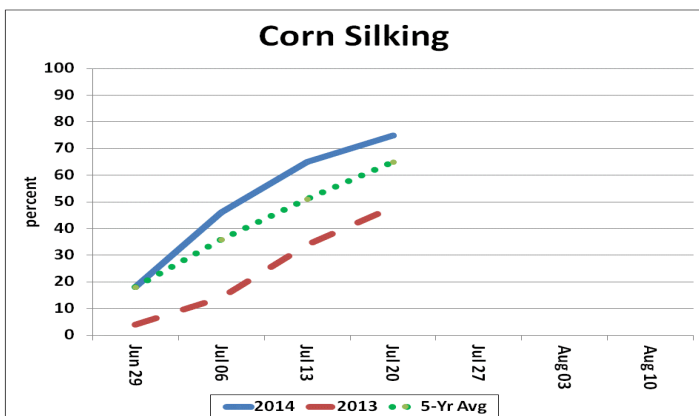
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn Silking	75	65	48	65
Corn Milked	36	26	7	30
Corn Dough	18	10	-	11
Corn Dent	4	-	-	2
Soybeans Blooming	41	31	23	45
Soybeans Setting Pods	18	6	4	13
Tobacco Blooming	38	24	30	31
Tobacco Topped	16	9	11	12

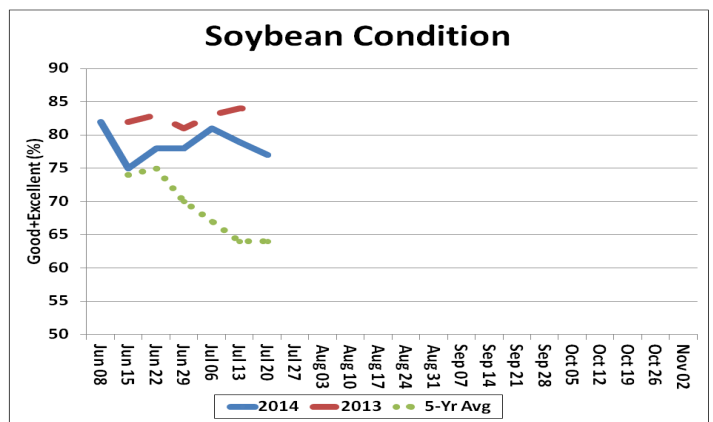
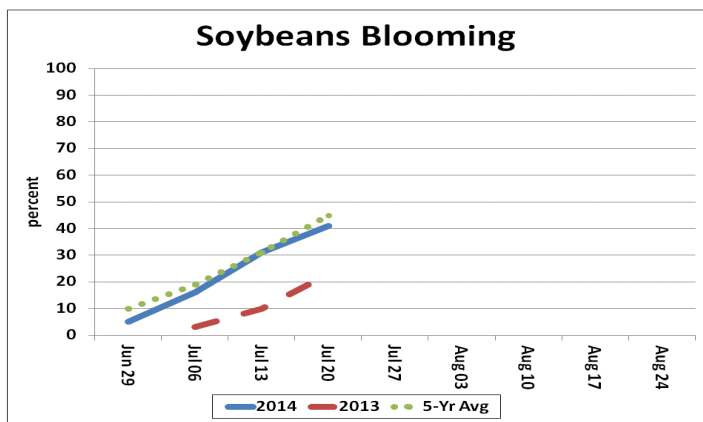
- Represents data not available.

CROP CONDITIONS for week ending 07/20/14

Crop	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	5	18	54	21
Pasture	4	13	40	38	5
Soybeans	1	4	18	60	17
Tobacco Set	1	4	26	54	15

- Represents zero.





**Kentucky Climate Summary
For the Period July 14, 2014 to July 20, 2014**

Much Below Normal Temperatures and Above Normal Rainfall:

The Commonwealth finally saw some significant rainfall this past week, along with a glimpse of early fall. A couple frontal boundaries started the work week on a wet note. Scattered to numerous showers and storms formed along a weakening frontal boundary early Monday, before a stronger cold front moved through the area later that night. Surface high pressure of Canadian origin then pushed into the region for much of the remaining work week. Unseasonable temperatures with low dewpoints invaded the Ohio Valley with highs temperatures only in the 70s about each day. Highs in the upper 70s are normally not seen until late-September. Record lows were broken at many locations on Thursday morning, as temperatures plummeted into the low to mid 50s. Some locations even recorded the mercury dropping into the upper 40s. Showers then redeveloped on Friday, marking the start of an extended period of unsettled conditions heading into the weekend. Rainfall was light in nature, but was present for an extended period of time, mostly across the eastern half of the state. Overall, the state was nearly a half inch above normal for the week, which broke a streak of 5 consecutive periods of below normal rainfall.

Temperatures for the period averaged 70 degrees across the state which was 7 degrees cooler than normal and 6 degrees cooler than the previous period. High temperatures averaged from 79 in the West to 77 in the East. Departure from normal high temperatures ranged from 11 degrees cooler than normal in the West to 10 degrees cooler than normal in the East. Low temperatures averaged from 61 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 7 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. The extreme high temperature for the period was 90 degrees at BOWLING GREEN 4E and the extreme low was 49 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.48 inches statewide which was 0.49 inches above normal and 149% of normal. Precipitation totals by climate division, West 0.49 inches, Central 1.06 inches, Bluegrass 1.60 inches and East 2.76 inches, which was -0.47, 0.05, 0.64 and 1.73 inches respectively from normal. By station, precipitation totals ranged from a low of 0.06 inches at HARDINSBURG 5SW to a high of 5.59 inches at LONDON.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/20/14 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>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>
Bardstown	1.92	15.46	-1.33	0.22	-1.33	91	51	70	-6	139	2,012	52
Berea	2.78	17.40	0.86	1.53	0.86	84	51	69	-6	135	1,858	-148
Bowling Green	1.23	13.73	-1.42	-2.76	-1.42	90	54	72	-4	154	2,198	164
Bristol	2.51	11.48	0.80	-2.05	0.80	93	52	71	-4	144	1,956	109
Buckhorn Lake	2.23	11.23	-0.86	-3.90	-0.86	82	51	69	-6	131	2,010	238
Cape Girardeau	0.79	22.24	1.33	6.87	1.33	87	56	71	-7	148	2,146	7
Campbellsville	2.14	17.36	-0.81	-0.19	-0.81	86	51	70	-6	137	1,952	-31
Covington	0.72	17.44	0.38	2.83	0.38	83	52	69	-6	135	1,897	97
Cumberland Gap	3.95	15.76	1.30	-0.79	1.30	87	52	70	-5	140	1,940	105
Dix Dam	2.51	14.95	0.68	-0.88	0.68	85	52	69	-6	136	1,966	20
Evansville	0.55	21.47	1.43	6.60	1.43	86	57	71	-7	146	2,116	93
Glasgow	1.17	15.90	-2.08	-1.74	-2.08	88	52	71	-5	144	2,102	141
Grayson	2.43	16.64	-0.70	1.77	-0.70	82	49	68	-7	128	1,800	88
Hardinsburg	0.15	15.61	-2.29	-0.44	-2.29	86	51	70	-6	144	2,053	3
Henderson	0.25	19.35	-0.31	4.11	-0.31	87	54	71	-7	144	2,064	-11
Huntington	2.54	16.87	-0.53	2.13	-0.53	80	52	69	-6	132	1,864	4
Jackson	3.27	14.54	-0.13	-1.25	-0.13	83	54	69	-6	135	2,098	326
Lexington	1.65	18.58	-0.94	3.34	-0.94	87	54	71	-4	148	2,073	198
London	5.59	15.75	2.76	0.88	2.76	85	54	71	-4	148	2,086	219
Louisville	1.52	14.62	-1.18	-0.60	-1.18	87	58	73	-3	158	2,304	298
Mayfield	0.49	20.64	-2.00	4.31	-2.00	85	54	70	-8	140	2,109	18
Nashville	1.80	18.14	-0.05	2.76	-0.05	92	57	73	-3	160	2,332	150
Nolin Lake	0.89	15.16	-1.91	-2.03	-1.91	90	51	73	-3	161	2,284	410
Paducah	0.38	19.29	0.05	2.59	0.05	89	56	72	-6	158	2,356	248
Princeton	0.79	15.16	-2.14	-1.22	-2.14	83	52	70	-8	137	2,097	-12
Quicksand	2.67	13.09	-0.08	-2.70	-0.08	85	53	70	-5	140	1,920	148
Somerset	1.39	16.80	-1.17	-0.01	-1.17	85	50	69	-6	134	1,870	-28
Spindletop	0.82	15.55	-2.05	0.31	-2.05	86	52	70	-5	138	2,016	141
Williamstown	0.35	15.16	-1.34	-0.09	-1.34	83	50	68	-7	126	1,860	22

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