



# 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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**Agricultural News:** Kentucky experienced above normal temperatures and near normal rainfall over the past week. Precipitation for the week totaled 0.95 inches, 0.05 inches below normal. Temperatures averaged 77 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 4 percent very short, 24 percent short, 64 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 3 percent very short, 23 percent short, 66 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 5.2 out of a possible seven.

Primary activities this week included harvesting wheat and planting soybeans. Some areas of the state are dry while others have received rain from spotty showers. These conditions have had strong effects on hay and the second cutting. Reports of low quantity and low quality in hay have surfaced. Wheat harvest is in full swing. Yields appear to be good, but vomitoxin is being reported, especially in fields that were not treated. Double crop soybeans are being planted as wheat is harvested. Early soybeans are now starting to bloom. Soybean average height was 10 inches. Tobacco average height was 19 inches.

**SOIL MOISTURE for week ending 06/29/14**

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	4	24	64	8
Subsoil	3	23	66	8

- Represents zero.

**CROP PROGRESS for week ending 06/29/14**

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	18	-	4	18
Soybeans Planted	93	80	86	93
Soybeans Emerged	79	72	69	85
Soybeans Blooming	5	-	-	10
Tobacco Set	94	90	94	99
Tobacco Blooming	3	-	-	-
Winter Wheat Mature	96	81	-	-
Winter Wheat Harvested	71	35	61	78

- Represents data not available.

**CROP CONDITIONS for week ending 06/29/14**

Crop	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	1	3	17	56	23
Pasture	1	7	30	52	10
Soybeans	1	2	19	61	17
Tobacco Set	1	2	17	64	16
Wheat	2	8	20	52	18

- Represents zero.

**Kentucky Climate Summary**  
**For the Period June 23, 2014 to June 29, 2014**

Above Normal Temperatures and Near Normal Rainfall:

The closing week of June kept warm temperatures in place across the Commonwealth, along with some beneficial rainfall. Storm coverage was isolated to scattered just about each day of the period within a moist and unstable air mass. Overall, the state averaged just under an inch, which was slightly below normal. This ended up being the third straight period with below normal rainfall and in turn, dry conditions were becoming evident across the Lower Ohio Valley. The latest US Drought Monitor now has nearly 53% of the state as showing signs of being abnormally dry, along with a slight portion of Southeastern Kentucky in a moderate drought.

Temperatures for the period averaged 77 degrees across the state which was 2 degrees warmer than normal and 2 degrees cooler than the previous period. High temperatures averaged from 85 in the West to 85 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to near normal in the East. Low temperatures averaged from 69 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 4 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 94 degrees at CARLISLE 5SW and the extreme low was 53 degrees at WILLIAMSBURG AWOS.

Precipitation (liq. equ.) for the period totaled 0.95 inches statewide which was 0.05 inches below normal and 95% of normal. Precipitation totals by climate division, West 0.87 inches, Central 0.90 inches, Bluegrass 1.07 inches and East 0.97 inches, which was -0.12, -0.08, 0.09 and -0.06 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BIG SANDY to a high of 2.71 inches at CAPE GIRARDEAU ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 06/29/14 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	0.50	13.09	-1.46	1.20	-1.46	91	65	78	3	192	1,523	82
Berea	1.53	14.17	0.05	1.28	0.05	90	63	76	2	182	1,390	-94
Bowling Green	0.26	11.24	-2.33	-2.05	-2.33	93	67	80	5	206	1,655	163
Bristol	1.32	8.27	0.27	-2.35	0.27	91	64	77	3	188	1,460	110
Buckhorn Lake	0.57	8.43	-1.97	-3.44	-1.97	90	64	76	2	184	1,518	216
Cape Girardeau	2.71	20.41	3.83	7.44	3.83	93	67	78	1	194	1,630	56
Campbellsville	1.48	15.08	-1.64	1.13	-1.64	91	64	77	2	186	1,469	11
Covington	2.43	15.73	2.19	3.99	2.19	90	65	77	3	192	1,425	134
Cumberland Gap	0.49	10.41	-1.04	-2.60	-1.04	89	63	76	2	180	1,458	112
Dix Dam	1.12	11.21	-1.40	-1.30	-1.40	94	65	78	4	192	1,474	49
Evansville	1.31	17.81	0.53	5.67	0.53	94	69	79	2	202	1,600	124
Glasgow	0.49	13.82	-1.86	-0.24	-1.86	90	65	77	2	190	1,594	162
Grayson	1.03	14.21	0.49	2.61	0.49	89	64	76	2	181	1,336	93
Hardinsburg	0.36	14.17	-1.85	1.33	-1.85	92	65	78	3	192	1,548	38
Henderson	1.06	17.07	-0.38	4.60	-0.38	92	67	78	1	196	1,552	22
Huntington	0.69	13.92	1.04	2.48	1.04	90	63	77	3	188	1,376	22
Jackson	0.59	10.85	-0.45	-1.42	-0.45	90	65	77	3	188	1,592	290
Lexington	1.01	16.33	1.51	4.44	1.51	91	68	78	4	198	1,556	200
London	0.87	9.82	-0.32	-1.86	-0.32	89	65	77	3	191	1,563	196
Louisville	0.70	12.67	-1.62	0.48	-1.62	94	70	81	6	217	1,742	284
Mayfield	1.06	19.90	0.65	6.58	0.65	87	67	76	-1	180	1,610	45
Nashville	1.23	15.91	2.38	3.21	2.38	91	68	79	4	204	1,769	151
Nolin Lake	0.98	13.75	-0.80	-0.05	-0.80	94	67	79	4	203	1,746	369
Paducah	2.01	17.47	2.28	3.61	2.28	92	70	79	2	204	1,807	257
Princeton	0.20	13.71	-0.56	0.23	-0.56	87	65	76	-1	183	1,602	38
Quicksand	0.88	9.64	-1.76	-2.63	-1.76	91	63	77	3	186	1,434	132
Somerset	1.41	15.09	0.12	1.57	0.12	90	63	76	2	181	1,397	-1
Spindletop	1.00	14.40	-0.65	2.51	-0.65	92	68	79	5	201	1,511	155
Williamstown	0.82	13.39	-1.45	1.19	-1.45	89	65	76	2	186	1,397	64

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