



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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Cooperative Extension Service

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Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.47 inches, 0.54 inches below normal. Temperatures averaged 78 degrees for the week, 5 degrees above normal. **Topsoil moisture** was rated 4 percent very short, 20 percent short, 66 percent adequate and 10 percent surplus. **Subsoil moisture** was rated 3 percent very short, 18 percent short, 72 percent adequate, and 7 percent surplus. Days suitable for fieldwork averaged 5.9 out of a possible seven.

Primary activities this week planting soybeans, harvesting wheat, and cutting hay. Crops are in need of rain in some conditions, as dry conditions persist. Other areas have received adequate moisture. With hay cutting currently under way, reports of reduced and low yields have surfaced. Also, counts of vomitoxin in wheat have been reported. Corn average height was 39 inches. Tobacco average height was 14 inches.

SOIL MOISTURE for week ending 06/22/14

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	4	20	66	10
Subsoil	3	18	72	7

- Represents zero.

CROP PROGRESS for week ending 06/22/14

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Soybeans Planted	80	70	75	84
Soybeans Emerged	72	58	58	75
Tobacco Set	90	81	89	92
Winter Wheat Coloring	98	89	-	-
Winter Wheat Mature	81	40	-	-
Winter Wheat Harvested	35	5	26	50

- Represents data not available.

CROP CONDITIONS for week ending 06/22/14

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	57	22
Pasture	1	7	27	52	13
Soybeans	1	3	18	62	16
Tobacco Set	1	3	17	66	13
Wheat	2	6	22	53	17

- Represents zero.

Kentucky Climate Summary
For the Period June 16, 2014 to June 22, 2014

Above Normal Temperatures and Below Normal Rainfall:

The summer season started in full force this past period with warm and humid conditions in place. The majority of the week was controlled by above normal temperatures with highs getting into the upper 80s to low 90s each day. A moist atmosphere with dew points in the upper 60s to low 70s helped push the heat index into the mid 90s to around 100 at times. This sent the livestock heat stress index into the danger category about each day during the afternoon and early evening hours. High pressure aloft kept the Commonwealth dry for the first half of the week. This feature then broke down Thursday and allowed for daily, isolated to scattered showers and thunderstorms for the remainder of the period. The overall dry nature of the week sent the Bluegrass State to a second straight period of below normal rainfall and the fourth out of the past five weeks.

Temperatures for the period averaged 78 degrees across the state which was 5 degrees warmer than normal and 8 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 87 in the East. Departure from normal high temperatures ranged from 3 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 70 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 94 degrees at CAPE GIRARDEAU ASOS and the extreme low was 59 degrees at LIBERTY 3SW.

Precipitation (liq. equ.) for the period totaled 0.47 inches statewide which was 0.54 inches below normal and 46% of normal. Precipitation totals by climate division, West 0.12 inches, Central 0.40 inches, Bluegrass 0.50 inches and East 0.85 inches, which was 0.88, 0.6, 0.52 and 0.18 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at CADIZ 4SW to a high of 1.98 inches at BARBOURVILLE 3E.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/22/14 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	0.32	12.59	-1.90	1.56	-1.90	92	64	79	5	202	1,330	44
Berea	0.22	12.64	-1.42	0.67	-1.42	90	60	75	2	178	1,209	-118
Bowling Green	0.15	10.98	-2.50	-1.34	-2.50	93	65	80	6	211	1,448	118
Bristol	0.70	6.95	-0.73	-2.85	-0.73	93	62	77	4	188	1,272	69
Buckhorn Lake	0.62	7.86	-2.46	-3.04	-2.46	90	62	77	4	188	1,334	168
Cape Girardeau	0.00	17.70	1.84	5.54	1.84	94	70	82	6	226	1,436	33
Campbellsville	0.25	13.60	-2.48	0.62	-2.48	92	61	77	3	188	1,283	-22
Covington	0.28	13.30	0.15	2.45	0.15	90	66	78	5	200	1,234	89
Cumberland Gap	1.98	9.92	-1.57	-2.09	-1.57	90	64	77	4	190	1,279	76
Dix Dam	0.11	10.09	-2.70	-1.56	-2.70	91	62	77	4	192	1,282	12
Evansville	0.00	16.50	-0.94	5.17	-0.94	94	72	83	7	231	1,398	86
Glasgow	0.01	13.33	-2.41	0.35	-2.41	91	65	79	5	200	1,404	131
Grayson	0.11	13.18	-0.10	2.47	-0.10	92	61	76	3	181	1,156	48
Hardinsburg	0.07	13.81	-1.63	1.85	-1.63	91	63	78	4	196	1,356	10
Henderson	0.00	16.01	-1.22	4.42	-1.22	93	68	81	5	214	1,356	-9
Huntington	1.02	13.23	0.99	2.66	0.99	91	63	76	3	184	1,188	-19
Jackson	1.32	10.26	-0.91	-1.12	-0.91	91	65	78	5	199	1,404	238
Lexington	1.02	15.32	0.70	4.29	0.70	90	66	79	6	202	1,359	155
London	1.06	8.95	-1.14	-1.88	-1.14	93	66	78	5	200	1,372	151
Louisville	0.38	11.97	-2.12	0.58	-2.12	94	70	83	9	228	1,525	228
Mayfield	0.00	18.84	0.02	6.31	0.02	89	67	79	3	201	1,429	29
Nashville	0.43	14.68	1.41	2.81	1.41	95	67	82	8	224	1,564	116
Nolin Lake	0.00	12.77	-2.06	-0.11	-2.06	96	64	80	6	212	1,542	311
Paducah	0.27	15.46	0.52	2.54	0.52	94	70	83	7	234	1,603	221
Princeton	0.53	13.51	-0.52	0.93	-0.52	90	67	79	3	202	1,418	19
Quicksand	0.52	8.76	-2.71	-2.62	-2.71	91	63	78	5	194	1,248	82
Somerset	0.11	13.68	-0.96	1.15	-0.96	89	59	76	3	183	1,216	-33
Spindletop	0.72	13.40	-1.52	2.37	-1.52	92	65	80	7	212	1,310	106
Williamstown	0.25	12.57	-2.37	1.25	-2.37	89	64	77	4	186	1,212	28

The above information is provided by Tom, Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 257-3000 ext 245.