



Crop Progress and Condition

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

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Agricultural News: Kentucky experienced dry conditions over the past week. Precipitation for the week totaled 0.38 inches, 0.61 inches below normal. Temperatures averaged 77 degrees for the week, near normal. **Topsoil moisture** was rated 11 percent very short, 39 percent short, 45 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 9 percent very short, 34 percent short, 52 percent adequate, and 5 percent surplus. Days suitable for fieldwork averaged 6.2 out of a possible seven.

Primary activities this week include spraying soybeans, harvesting wheat, and baling hay. Crop conditions are deteriorating in some areas as dry conditions continue. There were a few reports of corn curling and looking drought stressed. Pastures are drying up and some cattle producers are starting to feed hay. A few producers reported vomitoxin in wheat.

SOIL MOISTURE for week ending 07/13/14

	Very Short	Short	Adequate	Surplus
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil	11	39	45	5
Subsoil	9	34	52	5

- Represents zero.

CROP PROGRESS for week ending 07/13/14

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	65	46	34	51
Corn Milked	26	-	-	14
Corn Dough	10	-	-	3
Soybeans Emerged	96	92	92	98
Soybeans Blooming	31	16	10	31
Soybeans Setting Pods	6	-	-	4
Tobacco Blooming	24	11	18	19
Tobacco Topped	9	-	4	3
Winter Wheat Harvested	98	92	92	97

- Represents data not available.

CROP CONDITIONS for week ending 07/13/14

Crop	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	1	4	18	55	22
Pasture	3	12	37	41	7
Soybeans	1	3	17	62	17
Tobacco Set	1	3	24	56	16

- Represents zero.

Kentucky Climate Summary
For the Period July 7, 2014 to July 13, 2014

Near Normal Temperatures and Below Normal Rainfall:

Dry conditions continued to control the weather pattern this past week across the Commonwealth. The state averaged under a half inch for the week, which made for the fifth straight period of below normal rainfall. This led to an intensification of drought conditions with the US Drought Monitor now reporting 48% of the state as abnormally dry and a slight portion of Southeastern Kentucky in a Moderate Drought. As high pressure pushed east over the weekend, southerly flow brought scorching heat and humidity back to the region. Highs by Sunday were in the low to mid 90s for much of the Commonwealth along with the heat index around 100 degrees. Louisville even hit a high of 97. Scattered storms developed across the region during the afternoon and evening hours as instability was on the rise and a weak front pushed through the area. Significant rainfall totals of greater than a half inch were limited to locations across East-central Kentucky and north into the Bluegrass.

Temperatures for the period averaged 77 degrees across the state which was near normal and 4 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 88 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 67 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from near normal in the West to 2 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at LOUISA 1S and the extreme low was 56 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 0.38 inches statewide which was 0.61 inches below normal and 38% of normal. Precipitation totals by climate division, West 0.38 inches, Central 0.41 inches, Bluegrass 0.23 inches and East 0.51 inches, which was 0.6, 0.59, 0.74 and 0.49 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BIG SANDY to a high of 1.51 inches at MIDDLESBORO AWOS.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/13/14 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	0.00	13.54	-2.66	-0.57	-2.66	92	60	76	0	181	1,872	86
Berea	0.36	14.62	-1.63	-0.25	-1.63	92	57	75	0	175	1,724	-107
Bowling Green	1.01	12.50	-2.40	-2.92	-2.40	95	62	79	3	202	2,044	191
Bristol	0.69	8.97	-0.86	-3.58	-0.86	91	58	76	1	184	1,812	132
Buckhorn Lake	0.56	9.00	-2.34	-5.04	-2.34	90	61	77	2	191	1,880	265
Cape Girardeau	0.15	21.45	0.53	6.88	0.53	93	64	79	1	200	1,998	49
Campbellsville	0.02	15.22	-2.46	-1.12	-2.46	91	58	76	0	180	1,814	7
Covington	0.33	16.72	0.00	3.07	0.00	89	61	76	1	179	1,762	133
Cumberland Gap	1.35	11.81	-0.47	-3.55	-0.47	89	59	76	1	180	1,800	129
Dix Dam	0.04	12.44	-1.46	-2.27	-1.46	93	57	77	2	188	1,830	59
Evansville	0.89	20.92	0.98	6.97	0.98	93	64	79	1	200	1,970	130
Glasgow	0.74	14.73	-3.12	-1.71	-3.12	93	61	78	2	193	1,958	174
Grayson	0.00	14.21	-2.82	0.44	-2.82	91	57	75	0	176	1,671	116
Hardinsburg	0.36	15.46	-2.18	0.49	-2.18	96	61	77	1	190	1,910	41
Henderson	1.14	19.10	-0.52	4.78	-0.52	93	62	78	0	194	1,920	28
Huntington	0.41	14.33	-1.80	0.70	-1.80	93	61	78	3	194	1,732	42
Jackson	0.38	11.27	-1.78	-3.33	-1.78	94	63	78	3	198	1,963	348
Lexington	0.00	16.93	-1.30	2.82	-1.30	93	60	78	3	196	1,925	224
London	0.33	10.16	-1.54	-3.64	-1.54	93	62	78	3	198	1,938	239
Louisville	0.03	13.10	-2.11	-1.10	-2.11	97	65	81	5	216	2,146	324
Mayfield	0.00	20.15	-2.26	4.84	-2.26	93	61	78	0	193	1,969	54
Nashville	0.01	16.34	-1.36	1.86	-1.36	95	66	80	4	214	2,172	179
Nolin Lake	0.31	14.27	-2.58	-1.78	-2.58	95	61	78	2	200	2,123	416
Paducah	0.51	18.91	-0.06	3.15	-0.06	94	66	80	2	209	2,199	278
Princeton	0.12	14.37	-2.33	-1.04	-2.33	92	62	76	-2	184	1,960	33
Quicksand	0.72	10.42	-1.93	-4.18	-1.93	92	59	76	1	182	1,780	165
Somerset	0.18	15.41	-2.33	-0.30	-2.33	91	57	76	1	179	1,736	5
Spindletop	0.26	14.73	-1.88	0.62	-1.88	94	61	78	3	198	1,878	177
Williamstown	1.31	14.81	-1.29	0.58	-1.29	91	61	75	0	177	1,734	65

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