



**NATIONAL
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USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: The traditional Kentucky summer of hazy, hot, and humid conditions returned last week with little to no rainfall. At this point all the crops need rain for continued good crop development. **Topsoil moisture** was rated as 12 percent very short, 42 percent short, 44 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 11 percent very short, 36 percent short, 51 percent adequate, and 2 percent surplus. There were 6.3 days suitable for fieldwork. The majority of farm work this week included cutting hay, working with their tobacco, and spraying crops for weeds and insects.

TOBACCO: As of Sunday, July 20, the tobacco crop condition was reported as 5 percent poor, 20 percent fair, 53 percent good, and 22 percent excellent. About 28 percent of tobacco plants were under 24 inches tall, with 36 percent between 24-36 inches in height, and 36 percent were over 36 inches. Fourteen percent of the burley tobacco was blooming or beyond, and five percent has been topped. Forty-eight percent of the dark tobacco was blooming or beyond, and 30 percent has been topped. Farmers were spraying and topping their tobacco this past week. The tobacco crop looks good overall with some reports of bud and horn worms and blank shank.

CORN: The corn condition remained steady with 1 percent rated very poor, 3 percent poor, 13 percent fair, 48 percent good, and 35 percent excellent. Sixty-eight percent of the corn has silked or was silking as of Sunday, July 20, well behind both last year's 87 percent and the five-year average of 82 percent. Twenty-six percent of the corn was in milk stage or beyond, compared to 43 percent last year and the five-year average of 44 percent. Ten percent of the corn was in dough stage or beyond, compared to last year's 14 percent and the five-year average of 15 percent.

SOYBEANS: As of Sunday, July 20, twenty-nine percent of the soybeans were blooming, significantly behind last year's 54 percent and the five-year average of 48 percent. Soybean condition improved slightly from last week with 1 percent rated very poor, 6 percent poor, 21 percent fair, 47 percent good, and 25 percent excellent.

OTHER CROPS AND PASTURE: Throughout Kentucky pastures and hay crops continue to look good, although they are in need of rain. Pasture condition was rated 3 percent very poor, 15 percent poor, 33 percent fair, 41 percent good, and 8 percent excellent. Hay in the field was rated as 3 percent very poor, 10 percent poor, 32 percent fair, 46 percent good, and 9 percent excellent.

CROP PROGRESS for week ending 07/20/08

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	68	44	87	82
Corn Milked	26	6	43	44
Corn Dough	10	1	14	15
Soybeans Blooming	29	15	54	48
Burley Tobacco Blooming	14	0	23	29
Burley Tobacco Topped	5	NA	11	11
Dark Tobacco Blooming	48	NA	21	34
Dark Tobacco Topped	30	0	NA	NA

SOIL MOISTURE for week ending 07/20/08

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	12	42	44	2
Subsoil	11	36	51	2

CROP CONDITIONS for week ending 07/20/08

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	3	13	48	35
Soybeans	1	6	21	47	25
Pasture	3	15	33	41	8
Hay Crops	3	10	32	46	9
Tobacco Set	0	5	20	53	22

KENTUCKY WEATHER SUMMARY, JULY 14 - 20, 2008:

The Bluegrass State experienced a very dry week last week with many locations throughout the state reporting no rainfall. Strong high pressure set up over the Ohio Valley and suppressed shower activity for the majority of the period. Most of the rainfall during the period occurred Sunday, July 20 ahead of an approaching cold front. Although temperatures seemed hot across the Commonwealth under sunny skies for much of the week, above normal temperatures still have not been reported for 5 straight weeks.

Temperatures for the period averaged 75 degrees across the state which was 1 degree below normal. High temperatures averaged from 91 in the West to 89 in the East. Departure from normal high temperatures ranged from 1 degree above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 65 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to 2 degrees below normal in the East.

Rainfall for the period totaled 0.19 inches statewide which was 0.72 inches from normal. Rainfall totals by climate division, West 0.02 inches, Central 0.09 inches, Bluegrass 0.21 inches and East 0.40 inches, which was 0.76, 1.00, 0.80 and 0.44 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 0.54 inches at Covington.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 20, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days			
	Last Week	Since April 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	
		(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	14.87	1.89	-0.37	-2.31	93	59	76.9	+1	171	1888	-17	
Berea	0.09	14.35	1.73	-1.52	-2.17	92	58	77.6	+2	184	1908	-48	
Bowling Green	0.00	14.94	3.07	-1.55	-1.10	95	61	77.7	+1	176	2078	+92	
Bristol	0.06	8.88	3.31	-4.65	-0.42	91	56	73.0	-2	151	1845	+51	
Buckhorn Lake	0.00	11.66	2.14	-3.47	-2.09	94	59	76.7	+1	172	1892	+178	
Cape Girardeau	0.01	17.60	2.02	+2.23	-1.19	97	60	77.8	-0	174	2010	-77	
Campbellsville	0.00	13.76	2.79	-3.79	-1.78	94	59	76.7	+0	173	1942	+16	
Covington	0.54	16.89	3.69	+2.28	-0.07	92	57	75.6	+0	166	1746	-8	
Cumberland Gap	0.00	11.49	3.39	-5.06	-1.15	94	59	76.7	+1	172	1907	+143	
Dix Dam	0.03	14.12	1.67	-1.71	-2.51	92	59	77.0	+2	176	1846	-59	
Evansville	0.03	19.67	3.34	+4.80	-0.20	95	60	79.1	+1	184	1962	-14	
Glasgow	0.00	17.99	4.36	+0.35	-0.29	96	58	76.8	+1	169	2073	+177	
Grayson	0.01	15.41	3.10	+0.54	-1.06	93	58	75.3	-0	163	1794	+141	
Hardinsburg	0.11	21.23	5.13	+5.18	+1.04	94	60	77.9	+2	175	1968	-18	
Henderson	0.14	17.23	2.69	+1.99	-0.96	96	60	77.7	-0	176	1964	-42	
Huntington	0.01	15.61	2.80	+0.87	-1.37	93	57	74.9	-1	160	1798	+14	
Jackson	0.00	15.06	5.69	-0.73	+1.28	91	59	75.3	-0	168	1836	+122	
Lexington	0.00	14.94	1.84	-0.30	-2.36	93	59	76.9	+1	171	1812	+28	
London	0.43	12.52	2.88	-2.35	-1.16	95	57	75.1	-0	159	1921	+157	
Louisville	0.23	17.14	1.93	+1.92	-1.90	93	64	78.9	+3	181	2071	+95	
Mayfield	0.00	10.12	1.06	-6.21	-2.74	94	59	76.7	-1	172	1907	-140	
Nashville	0.00	17.87	3.49	+2.49	-0.02	94	63	78.5	+2	182	2166	+49	
Nolin Lake	0.00	18.37	3.29	+1.18	-1.01	94	60	77.6	+1	175	2031	+206	
Paducah	0.00	18.67	2.72	+1.97	-1.06	96	61	79.1	+1	182	2085	+18	
Princeton	0.00	17.23	3.24	+0.85	-0.55	97	58	77.9	-0	176	2101	+65	
Quicksand	0.00	13.51	4.68	-2.28	+0.27	94	59	76.7	+1	172	1894	+180	
Somerset	0.00	15.37	3.09	-1.44	-1.20	93	58	75.8	+0	171	1828	-27	
Spindletop	0.02	14.64	1.80	-0.60	-2.40	93	58	76.7	+1	170	1801	+17	
Williamstown	0.33	19.81	2.80	+4.56	-1.13	92	58	75.9	+0	168	1762	-22	

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>