



**NATIONAL
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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

Released weekly April - November

Issued 4:00 P.M., July 28, 2008

18-08

AGRICULTURAL NEWS: The traditional Kentucky summer of hazy, hot, and humid conditions continued last week with little to no wide spread rainfall. At this point all crops reflect the adequacy of local rainfall. The State needs a good soaking rain for continued crop development. **Topsoil moisture** was rated as 16 percent very short, 47 percent short, 36 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 17 percent very short, 35 percent short, 47 percent adequate, and 1 percent surplus. There were 6.0 days suitable for fieldwork. The majority of farm work this week included cutting hay, topping tobacco, and spraying crops for weeds and insects.

TOBACCO: As of Sunday, July 27, the tobacco crop condition was reported as 6 percent poor, 27 percent fair, 49 percent good, and 18 percent excellent. About 13 percent of tobacco plants were under 24 inches tall, with 37 percent between 24-36 inches in height, and 50 percent were over 36 inches. Thirty percent of the burley tobacco was blooming or beyond, and fifteen percent has been topped. Seventy percent of the dark tobacco was blooming or beyond, and 43 percent has been topped. Farmers were both spraying and topping their tobacco last week. The tobacco crop looks good overall but there were some reports of heavy worm infestations and black shank.

CORN: The corn condition has slipped a little because of the lack of rain. Corn was rated 1 percent very poor, 5 percent poor, 19 percent fair, 49 percent good, and 26 percent excellent. Eighty-two percent of the corn has silked or was silking as of Sunday, July 27, behind both last year's 90 percent and the five-year average of 88 percent. Forty-four percent of the corn was in milk stage or beyond, compared to 53 percent last year and the five-year average of 58 percent. Eighteen percent of the corn was in dough stage or beyond, compared to last year's 29 percent and the five-year average of 29 percent.

SOYBEANS: As of Sunday, July 27, forty-eight percent of the soybeans were blooming, significantly behind last year's 63 percent and the five-year average of 58 percent. Soybean condition declined slightly from last week with 2 percent rated very poor, 9 percent poor, 24 percent fair, 46 percent good, and 19 percent excellent..

OTHER CROPS AND PASTURE: Kentucky pastures and hay crops continue to look good, although they are declining in condition due to lack of rain. Pasture condition was rated 4 percent very poor, 18 percent poor, 42 percent fair, 34 percent good, and 2 percent excellent. Hay in the field was rated as 3 percent very poor, 11 percent poor, 41 percent fair, 40 percent good, and 5 percent excellent.

CROP PROGRESS for week ending 07/27/08

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	82	68	90	88
Corn Milked	44	26	53	58
Corn Dough	18	10	29	29
Soybeans Blooming	48	29	63	58
Burley Tobacco Blooming	30	14	38	44
Burley Tobacco Topped	15	5	19	22
Dark Tobacco Blooming	70	48	31	46
Dark Tobacco Topped	43	30	57	46

SOIL MOISTURE for week ending 07/27/08

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	16	47	36	1
Subsoil	17	35	47	1

CROP CONDITIONS for week ending 07/27/08

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	5	19	49	26
Soybeans	2	9	24	46	19
Pasture	4	18	42	34	2
Hay Crops	3	11	41	40	5
Tobacco	0	6	27	49	18

KENTUCKY WEATHER SUMMARY, JULY 21 - 27, 2008:

Below Normal Temperatures and Slightly Below Normal Rainfall:

Rainfall was slightly below normal for the Bluegrass state again last week and it was the second week straight with below normal rainfall. The south and west sections of the state received the bulk of the rain for the state. The northern half of the state received only limited rainfall. Temperatures were also below to slightly below normal which continued the extended spell of seasonal to below seasonal temperatures.

Temperatures for the 7 day period averaged 77 degrees across the state which was 1 degree below normal. High temperatures averaged from 89 in the West to 87 in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to 1 degree above normal in the East. Low temperatures averaged from 68 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 1 degree below normal in the East.

Rainfall for the period totaled 0.87 inches statewide which was 0.19 inches below normal. Rainfall totals by climate division, West 1.02 inches, Central 1.04 inches, Bluegrass 0.79 inches and East 0.62 inches, which was +0.09, -0.07, -0.27 and -0.51 inches respectively from normal. By station, rainfall totals ranged from a low of 0.06 inches at Cumberland Gap to a high of 2.33 inches at Princeton.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 27, 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	0.68	15.55	1.93	-0.81	-2.55	94	56	76.8	+1	173	2061	-12
Berea	1.17	15.52	2.28	-1.35	-1.70	89	61	74.1	-1	165	2073	-58
Bowling Green	1.71	16.65	4.68	-0.91	+0.41	97	59	79.3	+3	191	2269	+108
Bristol	1.42	10.30	4.22	-4.20	+0.34	94	57	75.4	-0	169	2014	+59
Buckhorn Lake	0.70	12.36	1.93	-3.87	-2.42	94	57	76.8	+1	176	2068	+200
Cape Girardeau	0.66	18.26	1.95	+2.09	-1.25	96	58	78.9	+1	188	2198	-78
Campbellsville	0.64	14.40	2.97	-4.37	-1.85	95	56	76.9	+1	176	2118	+17
Covington	0.46	17.35	3.10	+1.79	-0.72	90	59	74.3	-1	166	1912	-10
Cumberland Gap	0.06	11.55	1.94	-6.19	-2.79	94	57	76.8	+1	176	2083	+158
Dix Dam	0.82	14.94	2.03	-2.01	-2.41	90	58	75.6	+0	171	2017	-56
Evansville	0.22	19.89	2.76	+4.11	-0.88	94	60	76.9	-1	176	2138	-20
Glasgow	1.43	19.42	5.44	+0.59	+0.66	98	57	78.3	+2	182	2255	+184
Grayson	0.18	15.59	2.15	-0.37	-2.21	92	57	76.1	+1	175	1969	+162
Hardinsburg	0.80	22.03	5.15	+4.91	+0.87	95	57	77.1	+1	177	2145	-16
Henderson	0.39	17.62	2.65	+1.46	-1.04	95	58	77.5	-0	181	2145	-43
Huntington	0.17	15.78	1.27	-0.07	-3.15	92	57	76.4	+1	175	1973	+21
Jackson	0.75	15.81	5.02	-1.16	+0.32	91	56	74.5	-1	168	2004	+136
Lexington	1.05	15.99	2.20	-0.37	-2.28	94	57	76.6	+1	176	1988	+36
London	0.79	13.31	3.19	-2.64	-1.08	95	57	77.1	+2	178	2099	+174
Louisville	0.43	17.62	1.93	+1.38	-2.11	93	57	77.0	+1	180	2264	+106
Mayfield	0.20	10.32	1.12	-7.02	-2.90	94	57	76.8	-1	176	2083	-139
Nashville	0.99	18.86	3.98	+2.58	+0.40	94	64	79.8	+4	193	2359	+53
Nolin Lake	1.17	19.54	3.49	+1.21	-1.04	97	58	78.2	+2	183	2214	+228
Paducah	2.31	20.98	4.57	+3.33	+0.79	96	58	79.1	+1	189	2274	+25
Princeton	2.33	19.56	5.57	+2.21	+1.71	98	57	79.3	+1	187	2284	+66
Quicksand	0.62	14.13	3.88	-2.84	-0.82	94	57	76.8	+1	176	2070	+202
Somerset	1.68	17.05	3.70	-0.87	-0.70	94	56	75.6	+0	168	1996	-20
Spindletop	0.65	15.29	1.47	-1.07	-3.01	93	58	76.9	+2	177	1978	+26
Williamstown	0.61	20.42	2.27	+4.14	-1.80	92	58	75.2	-0	171	1933	-19

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/>