



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

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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**

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**AGRICULTURAL NEWS:** Temperatures averaged 68 degrees across the State, which was 8 degrees above normal and 2 degrees warmer than the previous week. Precipitation for the week totaled 1.25 inches Statewide, which was 0.08 inches above normal. Showers and thunderstorms on Friday and Saturday with locally heavy rainfall caused some flood and flash flood problems. **Topsoil moisture** was rated as 7 percent short, 76 percent adequate, and 17 percent surplus. **Subsoil moisture** was rated 11 percent short, 77 percent adequate, and 12 percent surplus. There were 3.8 days suitable for fieldwork. The main farming activities for the week were planting corn and soybeans and setting tobacco.

**TOBACCO:** Only a fourth of the tobacco seedlings are less than 2 inches tall, while 43 percent are 2 to 4 inches tall, and 32 percent are over 4 inches. Eight percent of the burley tobacco has been set compared with 4 percent for last year and the five-year average of 3 percent. Four percent of the dark tobacco has been set, ahead of last year's 1 percent and the five-year average of 2 percent. Producers indicate that there will be adequate plants for tobacco setting in 96 percent of the State.

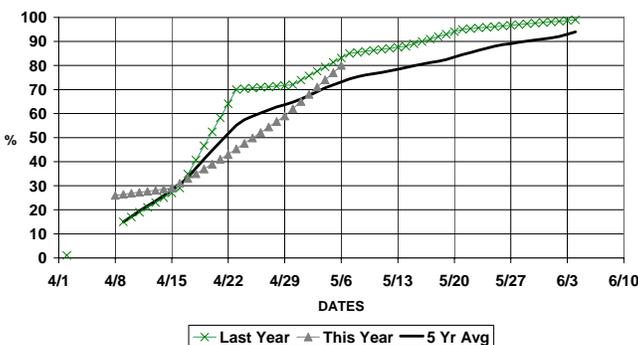
**ROW CROPS:** Corn planting remains behind last year, but is now ahead of the five-year average. As of Sunday, May 6, 80 percent of the corn was

planted compared to 83 percent for last year and 73 percent for the five-year average. Fifty-four percent of the crop had emerged, well behind last year's 66 percent, but the same as the five-year average. After replanting from the late freeze, the condition of the corn crop had improved and was rated 3 percent poor, 21 percent fair, 55 percent good, and 21 percent excellent. Farmers have continued to plant soybeans with 6 percent planted as of Sunday compared to 11 percent last year and 9 percent for the five-year average.

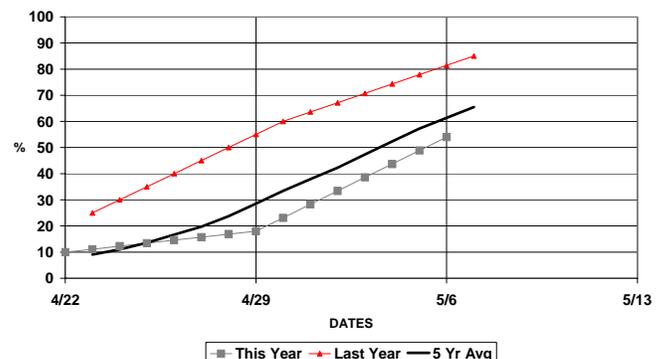
**SMALL GRAINS:** Fifty-four percent of the winter wheat crop had headed, still well behind last year's 81 percent and the five-year average of 61 percent. The crop is still in very poor condition with seventy-four percent rated poor or very poor. Of the crop left in the field, producers expect greatly reduced yields.

**OTHER CROPS AND PASTURE:** Hay crops were rated 3 percent very poor, 23 percent poor, 45 percent fair, 24 percent good, and 5 percent excellent. Compared to the previous week's rating of 39 percent poor to very poor, the hay has begun to recover from the late freeze. Pasture condition was rated 1 percent very poor, 9 percent poor, 41 percent fair, 41 percent good, and 8 percent excellent.

**CORN PLANTING PROGRESS**



**WHEAT PERCENT HEADED OR HEADING**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING MAY 6, 2007

**SOIL MOISTURE**  
WEEK ENDING MAY 6, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	80	83	73	59	23
Emerg'd	54	66	54	21	4
Wheat					
Headed or Heading	54	81	61	18	26
Soybeans Planted	6	11	9	2	3
Burley Tobacco Set	8	4	3	2	NA
Dark Tobacco Set	4	1	2	0	NA

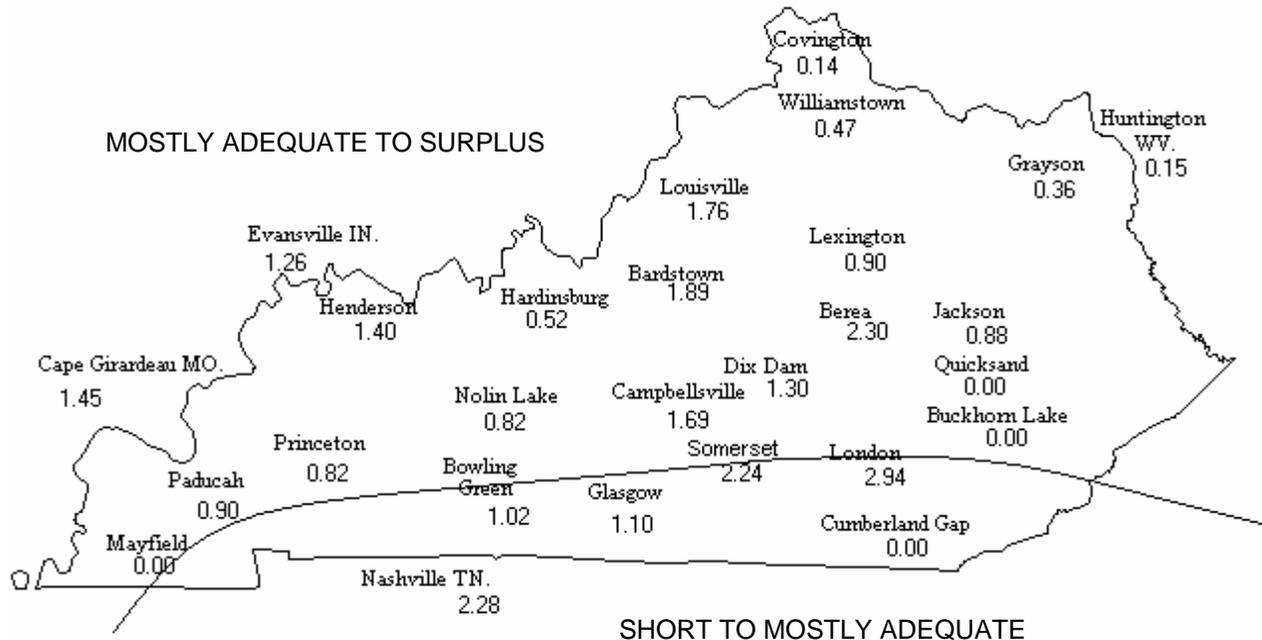
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	0
Short	7	9
Adequate	76	78
Surplus	17	13
<b>SUBSOIL</b>		
Very Short	0	1
Short	11	12
Adequate	77	77
Surplus	12	10

(NA)Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING MAY 6, 2007					WEEK ENDING APRIL 29, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn Emerg'd	0	3	21	55	21	1	9	37	46	7
Wheat	42	32	23	3	0	52	29	16	3	0
Pasture	1	9	41	41	8	4	15	40	37	4
Hay Crop	3	23	45	24	5	9	30	38	20	3

**PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION**  
WEEK ENDING MAY 6, 2007



# KENTUCKY WEATHER SUMMARY, APRIL 30 – MAY 6, 2007:

Above Normal Temperatures and Slightly Above Normal Rainfall:

The workweek started off very warm and dry with temperatures in the 80s. By mid-week, a very slow moving low pressure system moved from the central plains into the Ohio Valley. A meandering front connected to this low moved into Kentucky and threatened showers and thunderstorms into the weekend. Widespread showers and thunderstorms occurred from Friday thru Saturday with locally heavy rainfall which created flood and flash flood problems. Sunday was dry and mild with gusty winds.

Temperatures for the period averaged 67.9 degrees across the State which was 8 degrees above normal and 2 degrees warmer than the previous week. High temperatures averaged from 79 in the West to 78 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 6 degrees above normal in the East. Low temperatures averaged from 61 degrees in the West to 58 degrees in the East. Departure from normal low temperature ranged from 8 degrees above normal in the West to 7 degrees above normal in the East. Extreme high temperatures were in the upper 80s and extreme low temperatures were in the mid 50s.

Precipitation (liq. equ.) for the period totaled 1.25 inches statewide which was 0.08 inches above normal. Precipitation totals by climate division, West 0.98 inches, Central 1.27 inches, Bluegrass 1.17 inches and East 1.50 inches, which was -0.31, +0.05, +0.06 and +0.42 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Buckhorn Lake to a high of 2.94 inches at London.

Tom Priddy

## KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 6, 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	1.89	5.89	4.63	+1.14	+0.92	86	56	67.9	+5	125	397	+7
Berea	2.30	5.66	4.58	+0.47	+0.53	85	52	67.7	+6	122	396	+0
Bowling Green	1.02	4.67	4.02	-0.61	-0.10	86	53	70.8	+8	144	431	+35
Bristol	0.53	3.17	2.32	-0.88	-0.85	88	43	65.8	+4	111	360	+6
Buckhorn Lake	0.00	3.12	2.20	-1.43	-1.35	88	55	68.6	+7	128	379	+25
Cape Girardeau	1.45	4.33	4.27	-1.10	+0.02	88	53	70.4	+6	139	414	+12
Campbellsville	1.69	6.65	4.78	+0.91	+0.30	86	51	68.9	+6	130	413	+17
Covington	0.14	3.31	2.54	-1.27	-1.04	85	51	66.8	+5	116	322	-2
Cumberland Gap	0.00	4.36	3.01	-0.65	-0.91	88	51	68.1	+7	124	379	+25
Dix Dam	1.30	5.53	3.87	+0.39	-0.14	84	54	67.1	+6	117	366	-24
Evansville	1.26	4.53	3.36	-0.41	-0.51	87	55	69.5	+5	134	388	+22
Glasgow	1.10	6.31	5.04	+0.78	+0.72	87	52	71.1	+9	145	449	+113
Grayson	0.36	4.31	3.50	-0.14	+0.01	87	52	66.5	+5	113	358	+40
Hardinsburg	0.52	5.20	4.27	-0.05	+0.17	89	60	70.3	+8	139	410	+14
Henderson	1.40	6.82	4.59	+1.68	+0.59	89	56	69.6	+5	135	392	-4
Huntington	0.15	3.46	3.13	-0.96	-0.33	88	51	65.9	+5	109	361	+7
Jackson	0.88	2.64	2.32	-2.33	-1.55	88	55	68.2	+7	125	379	+25
Lexington	0.90	5.02	3.79	+0.27	+0.08	85	54	67.1	+6	118	338	+14
London	2.94	5.08	4.92	+0.34	+1.22	88	48	68.6	+7	129	381	+27
Louisville	1.76	6.36	5.14	+1.24	+1.14	89	56	68.4	+6	125	371	+5
Mayfield	0.00	3.04	2.24	-2.98	-2.43	86	55	68.5	+4	128	382	-50
Nashville	2.28	5.03	4.28	-0.28	+0.13	88	54	71.9	+9	150	455	+23
Nolin Lake	0.82	4.94	4.39	-0.65	+0.01	87	56	70.6	+8	142	429	+39
Paducah	0.90	4.50	3.43	-1.47	-1.20	88	56	71.4	+7	148	430	+28
Princeton	0.82	5.10	4.24	-0.66	-0.24	88	55	71.7	+7	149	475	+49
Quicksand	0.00	1.71	1.44	-3.26	-2.43	88	55	68.9	+8	129	379	+25
Somerset	2.24	5.15	4.12	-0.18	-0.05	85	46	66.7	+5	118	364	-26
Spindletop	0.71	4.58	3.39	-0.17	-0.32	84	50	66.4	+5	112	332	+8
Williamstown	0.47	6.36	4.21	+1.36	+0.31	85	52	66.8	+5	115	326	+2

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/>

**CURRENT EUROPEAN CORN BORER DEGREE DAY TOTALS  
& PREDICTED DATES FOR CERTAIN SPECIFIC VALUES**

Location	Current DD Total	Overwintering		First			Second
		550	610	750	1660	1740	1860
Bardstown	709	AO	AO	5/8	6/23	6/26	7/1
Berea	719	AO	AO	5/8	6/24	6/28	7/2
Bowling Green	790	AO	AO	AO	6/19	6/23	6/28
Bristol	616	AO	AO	5/15	6/29	7/2	7/7
Buckhorn Lake	671	AO	AO	5/11	6/26	6/30	7/4
Cape Girardeau	708	AO	AO	5/8	6/20	6/23	6/28
Campbellsville	732	AO	AO	5/7	6/22	6/25	6/30
Covington	559	AO	5/9	5/19	7/1	7/4	7/9
Cumberland Gap	668	AO	AO	5/12	6/26	6/30	7/5
Dix Dam	650	AO	AO	5/13	6/27	6/30	7/5
Evansville	659	AO	AO	5/11	6/21	6/25	6/29
Glasgow	845	AO	AO	AO	6/17	6/20	6/25
Grayson	646	AO	AO	5/13	6/27	7/1	7/5
Hardinsburg	734	AO	AO	5/7	6/22	6/25	6/30
Henderson	669	AO	AO	5/10	6/21	6/24	6/29
Huntington	651	AO	AO	5/13	6/27	6/30	7/5
Jackson	714	AO	AO	5/8	6/24	6/28	7/3
Lexington	621	AO	AO	5/15	6/28	7/2	7/6
London	746	AO	AO	AO	6/23	6/26	7/1
Louisville	661	AO	AO	5/12	6/25	6/28	7/3
Mayfield	671	AO	AO	5/10	6/21	6/24	6/29
Nashville	895	AO	AO	AO	6/15	6/18	6/23
Nolin Lake	764	AO	AO	AO	6/20	6/24	6/29
Paducah	768	AO	AO	AO	6/17	6/20	6/25
Princeton	873	AO	AO	AO	6/13	6/16	6/21
Quicksand	672	AO	AO	5/11	6/26	6/30	7/4
Somerset	658	AO	AO	5/12	6/27	6/30	7/5
Spindletop	625	AO	AO	5/15	6/28	7/1	7/6
Williamstown	566	AO	5/9	5/18	7/1	7/4	7/9

AO indicates event has already occurred. REAL data are used through 5-06-07 Beyond 5-06-07, NORMAL data are used (adjusted by forecast values). The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext. 245.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.