



Kentucky Agricultural Statistics Service  
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# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared 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, State Statistician*

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JOC 7-03

**AGRICULTURAL NEWS:** Heavy rainfall throughout the week flooded some low lying areas and prevented farmers from working in the fields despite warmer temperatures. Temperatures averaged 71 degrees, 7 degrees above normal and 6 degrees warmer than the previous week. Rainfall totaled 3.38 inches statewide, 2.32 inches above normal. **Topsoil moisture**, as of Friday, May 9 was rated 24 percent adequate and 76 percent surplus. **Subsoil moisture**, was rated 37 percent adequate and 63 percent surplus. Days suitable for fieldwork averaged 1 out of a possible 7 days.

**SMALL GRAINS:** Wheat condition was rated 1 percent very poor, 4 percent poor, 17 percent fair, 49 percent good, and 29 percent excellent. Reports indicate that 88 percent of the wheat crop had headed, 16 percent ahead of last year and 3 percent more than average.

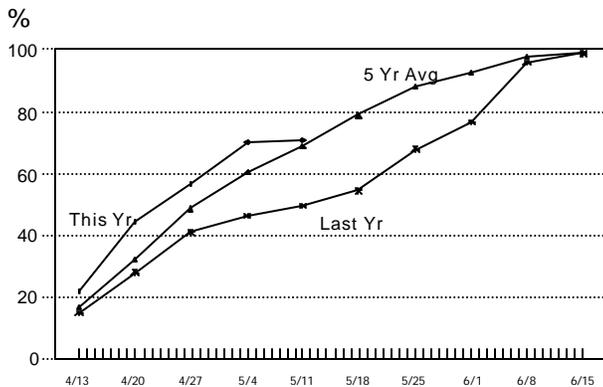
**TOBACCO:** Transplants measured less than 2 inches in 31 percent of greenhouse and plant beds, 2 to 4 inches in 37 percent and 32 percent were greater

than 4 inches. As of Sunday, May 11 burley tobacco set was 4 percent, the same as the previous year, while dark tobacco was only 1 percent set. Farmers reported 95 percent had adequate tobacco plants for setting. South central and far eastern Kentucky farmers expect plant supplies to be very tight.

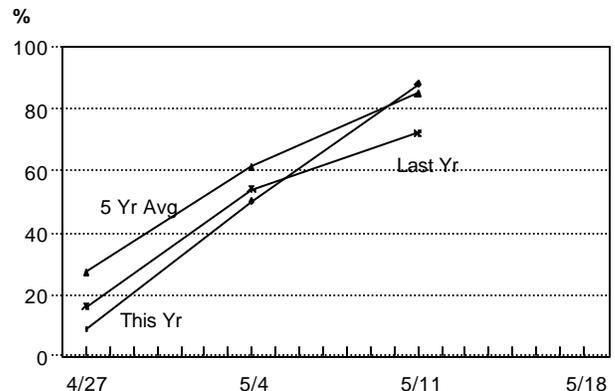
**CORN AND SOYBEANS:** Some corn fields were flooded this past week and will likely need to be reseeded. Corn producers have planted 71 percent of their acres, 21 percent ahead of last year and 2 percent above the average. Corn emerged was 62 percent, 17 percent ahead of last year and 9 percent ahead of the average. Corn emerged rated 3 percent very poor, 6 percent poor, 30 percent fair, 44 percent good and 17 percent excellent. Soybeans were 6 percent planted, 3 percent ahead of last year but 8 percent behind the average.

**OTHER CROPS:** Hay crop condition was 2 percent poor, 14 percent fair, 56 percent good, and 28 percent excellent. Pasture condition was rated 3 percent poor, 13 percent fair, 56 percent good, and 28 percent excellent.

**CORN PLANTING PROGRESS**



**WHEAT PERCENT HEADED OR HEADING**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING MAY 11, 2003  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	71	50	69	70	55
Emerged	62	45	53	52	13
Soybeans					
Planted	6	3	14	4	11
Wheat					
Headed or Heading	88	72	85	50	39
Burley Tobacco Set	4	4	9	3	NA
Dark Tobacco Set	1	4	8	1	NA

**SOIL MOISTURE**  
WEEK ENDING MAY 9, 2003  
WITH COMPARISONS

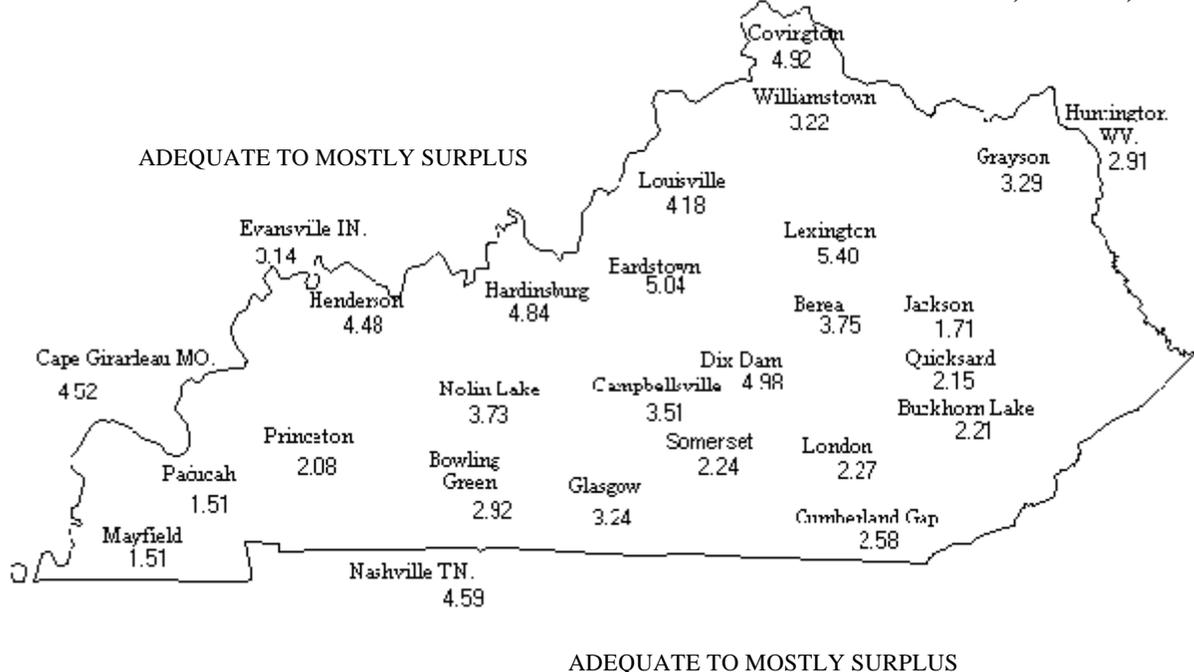
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	0
Short	0	1
Adequate	24	71
Surplus	76	28
<b>SUBSOIL</b>		
Very Short	0	0
Short	0	1
Adequate	37	76
Surplus	63	23

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING MAY 9, 2003					WEEK ENDING MAY 2, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn Emerged	3	6	30	44	17	0	3	25	53	19
Wheat	1	4	17	49	29	0	4	20	48	28
Pasture	0	3	13	56	28	0	2	19	59	20
Hay Crops	0	2	14	56	28	0	4	21	54	21

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 11, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, MAY 9, 2003**



## **KENTUCKY WEATHER SUMMARY, MAY 5 - 11, 2003:**

### **ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:**

The week was defined by warm and humid conditions thanks to a stalled frontal system near the State that brought plenty of unsettled weather to the region. With the warm and humid air, came copious amounts of rainfall, including an almost daily dose of showers and thunderstorms, along with high winds, hail, and tornadoes in Kentucky. Nearly 400 preliminary tornado reports occurred in the nation last week, with several deaths and injuries in Kentucky.

Temperatures for the period averaged 71 degrees across the State which was 7 degrees above normal, and 6 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 near normal in the West to 4 degrees above normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 9 degrees above normal in the West to 10 degrees above normal in the East. Extreme temperatures for the week were 87 and 50 degrees in Bowling Green and Princeton, respectively.

Rainfall for the period totaled 3.38 inches statewide which was 2.32 inches above normal, and 2.46 inches more than the previous week. Precipitation totals by climate division, West 2.87 inches, Central 3.99 inches, Bluegrass 4.25 inches and East 2.42 inches, which was 1.77, 2.88, 3.23 and 1.41 inches respectively above normal. By station, precipitation totals ranged from a low of 1.51 inches at Mayfield to a high of 5.48 inches at Lexington.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 11, 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	5.04	11.15	7.94	+5.68	+4.16	85	57	71.2	+7	146	533	+68
Berea	3.75	8.24	5.47	+2.27	+1.35	83	58	70.8	+8	143	556	+80
Bowling Green	2.92	9.17	7.04	+3.10	+2.84	87	59	72.1	+8	152	576	+100
Bristol	2.51	9.66	5.78	+4.98	+2.53	84	56	68.8	+6	129	479	+55
Buckhorn Lake	2.21	9.09	4.90	+3.88	+1.32	84	59	70.9	+8	143	533	+109
Cape Girardeau	4.52	10.27	9.18	+4.00	+4.83	83	58	72.7	+6	157	531	+44
Campbellsville	3.51	9.16	5.82	+2.58	+1.29	85	59	72.1	+8	153	599	+123
Covington	4.92	7.46	6.78	+2.19	+3.14	80	54	67.6	+5	121	432	+38
Cumberland Gap	2.58	10.58	5.49	+4.79	+1.47	85	59	69.9	+7	137	522	+98
Dix Dam	4.98	9.87	7.24	+3.97	+3.17	84	57	70.6	+8	143	540	+75
Evansville	3.14	7.24	6.02	+1.53	+2.06	82	54	68.9	+3	131	488	+42
Glasgow	3.24	8.93	5.80	+2.58	+1.43	88	57	73.3	+9	159	622	+206
Grayson	3.29	9.54	7.37	+4.40	+3.80	84	54	69.1	+6	131	518	+135
Hardinsburg	4.84	10.50	7.68	+4.46	+3.51	86	55	72.1	+8	153	553	+77
Henderson	4.48	9.82	8.54	+3.95	+4.51	83	56	70.9	+5	145	541	+65
Huntington	2.91	9.89	7.56	+4.78	+4.01	84	51	68.9	+6	130	503	+79
Jackson	1.71	7.65	4.34	+1.96	+0.43	83	58	69.5	+7	135	513	+89
Lexington	5.48	9.62	8.02	+4.15	+4.24	83	57	69.7	+7	137	472	+78
London	2.27	9.04	4.89	+3.61	+1.16	86	58	69.9	+7	138	511	+87
Louisville	4.18	10.31	8.68	+4.44	+4.64	85	56	70.3	+6	141	509	+63
Mayfield	1.51	7.61	6.03	+0.78	+1.39	84	59	70.7	+4	143	524	+7
Nashville	4.59	9.68	7.01	+3.58	+2.80	86	62	72.5	+8	157	596	+79
Nolin Lake	3.73	9.97	6.81	+3.50	+2.30	86	58	72.3	+8	154	587	+122
Paducah	1.51	8.67	6.99	+1.91	+2.40	84	57	72.4	+6	154	562	+75
Princeton	2.08	9.74	7.90	+3.18	+3.42	85	50	71.3	+5	147	579	+73
Quicksand	2.15	8.11	4.94	+2.42	+1.03	83	59	71.6	+9	149	548	+124
Somerset	2.24	9.17	4.75	+3.02	+0.49	84	58	71.2	+8	147	556	+91
Spindletop	3.16	7.03	5.37	+1.56	+1.59	83	56	69.2	+6	133	467	+73
Williamstown	3.22	6.04	5.21	+0.33	+1.29	80	53	69.2	+6	133	507	+113

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	601	AO	5/9	5/18	6/29	7/2	7/7
Berea	697	AO	AO	5/12	6/27	6/30	7/5
Bowling Green	687	AO	AO	5/13	6/25	6/29	7/4
Bristol	557	AO	5/12	5/21	7/2	7/6	7/11
Buckhorn Lake	639	AO	AO	5/16	6/29	7/2	7/7
Cape Girardeau	567	AO	5/11	5/19	6/27	6/30	7/5
Campbellsville	726	AO	AO	5/10	6/24	6/27	7/2
Covington	493	5/13	5/17	5/25	7/5	7/8	7/13
Cumberland Gap	612	AO	AO	5/18	6/30	7/3	7/8
Dix Dam	627	AO	AO	5/17	6/30	7/3	7/8
Evansville	549	5/9	5/12	5/20	6/28	7/1	7/6
Glasgow	761	AO	AO	AO	6/22	6/26	7/1
Grayson	607	AO	5/9	5/18	6/30	7/4	7/9
Hardinsburg	631	AO	AO	5/16	6/28	7/1	7/6
Henderson	627	AO	AO	5/16	6/25	6/28	7/3
Huntington	593	AO	5/10	5/19	7/1	7/4	7/9
Jackson	635	AO	AO	5/16	6/29	7/3	7/7
Lexington	538	5/9	5/14	5/22	7/3	7/6	7/11
London	601	AO	5/9	5/19	7/1	7/4	7/9
Louisville	582	AO	5/10	5/19	6/30	7/3	7/8
Mayfield	611	AO	AO	5/16	6/25	6/29	7/3
Nashville	749	AO	AO	5/9	6/23	6/26	7/1
Nolin Lake	693	AO	AO	5/12	6/25	6/28	7/3
Paducah	667	AO	AO	5/13	6/23	6/26	7/1
Princeton	693	AO	AO	5/12	6/22	6/25	6/30
Quicksand	662	AO	AO	5/15	6/28	7/1	7/6
Somerset	671	AO	AO	5/14	6/28	7/1	7/6
Spindletop	521	5/11	5/15	5/23	7/4	7/7	7/12
Williamstown	594	AO	5/10	5/19	7/1	7/4	7/9

AO indicates event has already occurred. REAL data are used through 5-08-03 Beyond 5-08-03, 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.

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