



Kentucky Agricultural Statistics Service  
 P.O. Box 1120  
 Louisville, Kentucky 40201-1120  
 (502) 582-5293 or 1-800-928-5277

**LELAND E. BROWN, Director**

# 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

*Released weekly April - November*

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JOC 6-04

**AGRICULTURAL NEWS:** The week started off with cooler temperatures before warm wet weather settled in for the weekend. Temperatures averaged 59 degrees, 2 degrees below normal and 7 degrees below the previous week's average. Rainfall totaled 1.37 inches statewide, 0.37 inches above normal. **Topsoil moisture**, as of Friday, April 30 was rated 1 percent short, 70 percent adequate, and 29 percent surplus. **Subsoil moisture**, was rated 3 percent short, 77 percent adequate, and 20 percent surplus. Days suitable for fieldwork averaged 3.3 out of a possible 7 days.

**SMALL GRAINS:** Wheat condition was rated 2 percent poor, 17 percent fair, 54 percent good, and 27 percent excellent. Reports indicate that 31 percent of the wheat crop had headed, 7 percent behind last year and 17 percent behind average.

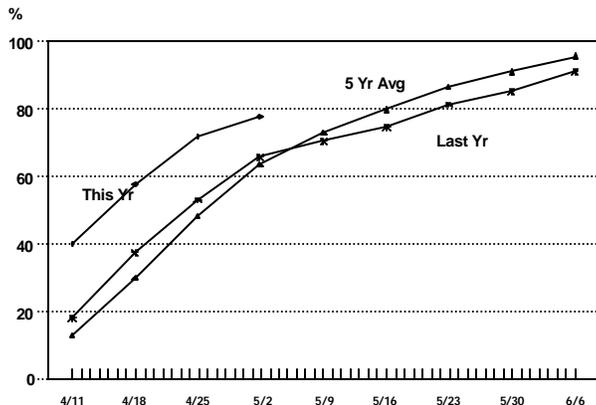
**TOBACCO:** Transplants less than 2 inches at 42 percent, 2 to 4 inches at 38 percent and 20 percent were greater than 4 inches. As of Sunday, May 2

burley tobacco set was 2 percent, the same as last year and the average. Dark tobacco was 2 percent set, 1 percent ahead of last year, and equal to the average.

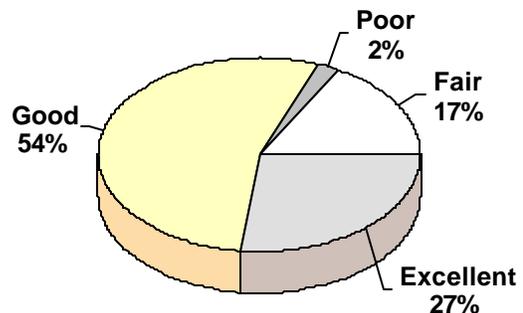
**CORN AND SOYBEANS:** A few days of dry weather the middle of the week gave some farmers a chance to plant their crops between rain showers. Corn producers have planted 78 percent of their acres, 12 percent ahead of last year and 14 percent above the average. Corn emerged was 50 percent, 5 percent ahead of last year and 11 percent ahead of the average. Corn emerged rated 6 percent poor, 22 percent fair, 51 percent good and 21 percent excellent. Soybeans were 8 percent planted, 5 percent above last year and 2 percent ahead of the average.

**OTHER CROPS:** Hay crop condition was 1 percent very poor, 2 percent poor, 23 percent fair, 51 percent good, and 23 percent excellent. Pasture condition was rated 2 percent poor, 20 percent fair, 55 percent good, and 23 percent excellent. Nitrogen supplies were reported as generally adequate statewide.

**CORN PLANTING PROGRESS**



**WHEAT CONDITION (May 2)**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING MAY 2, 2004  
WITH COMPARISONS

**SOIL MOISTURE**  
WEEK ENDING APRIL 30, 2004  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	78	66	64	72	37
Emerged	50	45	39	33	8
Wheat					
Headed	31	38	48	8	24
Soybeans					
Planted	8	3	6	3	5
Burley Tobacco Set	2	2	2	NA	NA
Dark Tobacco Set	2	1	2	NA	NA

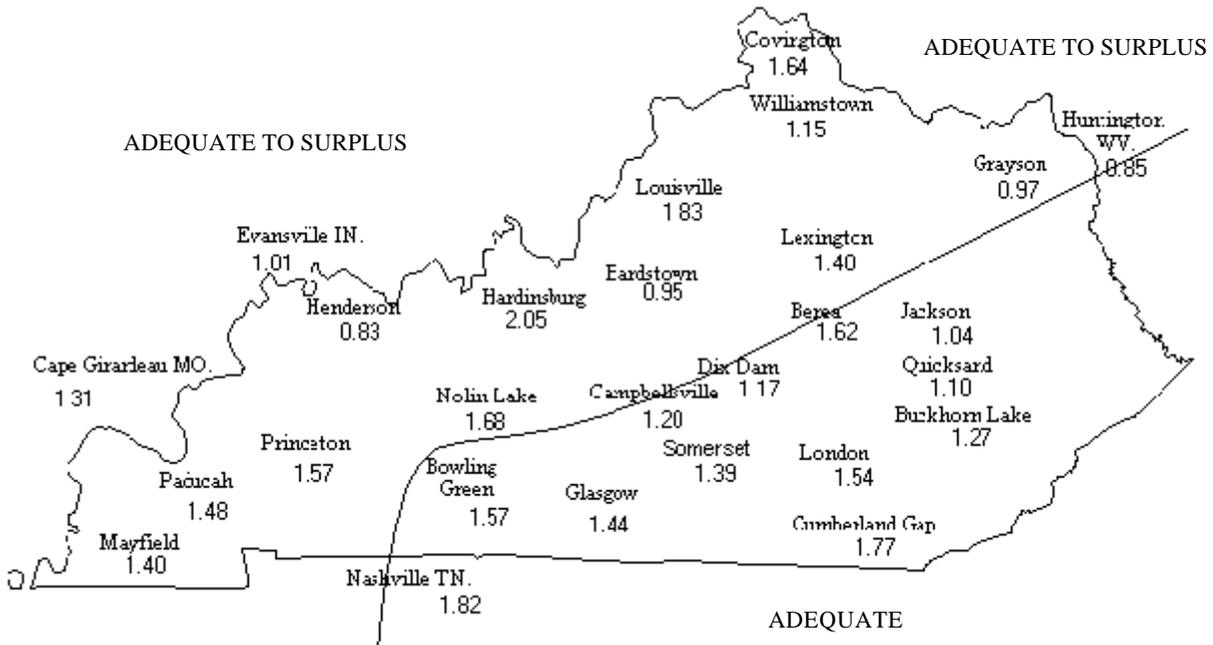
	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	0	1
Short	1	4
Adequate	70	48
Surplus	29	47
<b>SUBSOIL</b>		
Very Short	0	2
Short	3	7
Adequate	77	65
Surplus	20	26

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING APRIL 30, 2004					WEEK ENDING APRIL 23, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn Emerged	0	6	22	51	21	1	3	29	53	14
Wheat	0	2	17	54	27	1	2	17	54	26
Pasture	0	2	20	55	23	0	2	21	57	20
Hay Crops	1	2	23	51	23	-	-	-	-	-

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 2, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, APRIL 30, 2004**



# KENTUCKY WEATHER SUMMARY, APRIL 26 - MAY 2, 2004:

## BELOW NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:

The last week of April was wet and cool. A cold front moved east out of the State early on Monday clearing skies but keeping temperatures low due to northwest winds bringing cold air to the region from Canada. Due to the presence of a strong high pressure system, temperatures dropped into the 30's on Wednesday morning prompting frost and freeze warnings for the bluegrass and eastern parts of Kentucky. By Wednesday afternoon, winds shifted to the south bringing warmer air our way keeping highs in the 70's through Saturday. The majority of the rain received this week occurred from Thursday night into Sunday afternoon when another cold front moved through Kentucky, which brought clearer skies and cooler temperatures. This is the third consecutive week in which rainfall amounts have averaged above normal.

Temperatures for the period averaged 59 degrees across the State which was 2 degrees below normal and 7 degrees cooler than the previous week. High temperatures averaged from 71 in the West to 70 in the East. Departure from normal high temperatures ranged from 4 degrees below normal in the West to 1 degree below normal in the East. Low temperatures averaged from 49 degrees in the West to 48 degrees in the East. Departure from normal low temperature ranged from 2 degrees below normal in the West to 1 degree below normal in the East. Extreme highs were in the upper 70's. Extreme lows were in the lower 30's.

Precipitation (liq. equ.) for the period totaled 1.37 inches statewide which was 0.37 inches above normal. Precipitation totals by climate division, West 1.27 inches, Central 1.59 inches, Bluegrass 1.41 inches and East 1.24 inches, which was 0.18, 0.55, 0.44 and 0.30 inches respectively above normal. By station, precipitation totals ranged from a low of 0.83 inches at Henderson to a high of 2.05 inches at Hardinsburg.

Tom Priddy

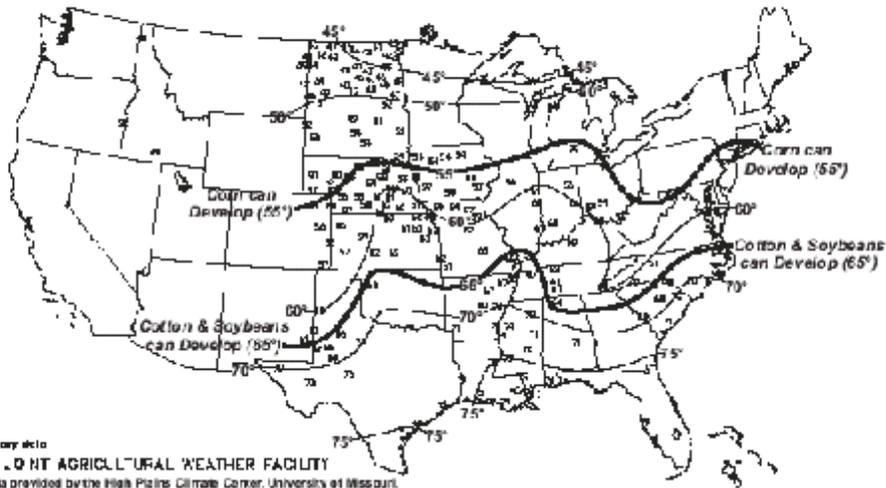
## KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, MAY 2, 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	0.95	5.45	5.41	+1.28	+1.76	78	37	59.1	-2	79	312	-18
Berea	1.62	6.15	5.97	+1.58	+1.97	78	36	60.3	-0	83	336	+4
Bowling Green	1.57	6.68	6.68	+2.04	+2.62	79	37	60.3	-1	82	340	+8
Bristol	1.87	5.23	5.08	+1.68	+1.97	77	32	58.1	-2	73	306	+8
Buckhorn Lake	1.27	5.17	4.86	+1.15	+1.34	77	34	58.6	-2	72	312	+14
Cape Girardeau	1.31	4.09	4.09	-0.67	-0.08	75	39	59.6	-4	78	338	+4
Campbellsville	1.20	6.25	6.24	+1.18	+1.80	77	37	61.0	-1	89	348	+16
Covington	1.64	5.55	5.38	+1.52	+1.85	75	31	55.6	-5	58	246	-22
Cumberland Gap	1.77	5.81	5.71	+1.42	+1.86	77	34	58.8	-2	75	314	+16
Dix Dam	1.17	5.29	5.17	+0.76	+1.21	78	36	59.6	-1	78	309	-21
Evansville	1.01	2.62	2.62	-1.71	-1.17	79	40	60.1	-4	81	341	+39
Glasgow	1.44	8.11	8.11	+3.23	+3.84	81	37	62.7	+1	103	402	+130
Grayson	0.97	5.09	4.50	+1.19	+1.08	79	31	59.7	-1	78	310	+44
Hardinsburg	2.05	6.51	6.51	+1.89	+2.46	78	42	60.1	-1	81	332	+0
Henderson	0.83	3.46	3.34	-1.09	-0.65	77	41	59.9	-4	82	350	+18
Huntington	0.85	5.20	4.48	+1.33	+1.09	80	30	60.3	-0	83	317	+19
Jackson	1.04	4.37	3.93	-0.02	+0.09	78	35	59.1	-1	75	321	+23
Lexington	1.48	5.12	5.02	+0.95	+1.37	77	35	57.1	-3	64	273	+5
London	1.54	4.82	4.76	+0.63	+1.09	76	31	56.9	-3	66	310	+12
Louisville	1.83	6.36	6.35	+1.83	+2.39	79	38	58.9	-3	76	312	+10
Mayfield	1.40	4.42	4.42	-0.95	-0.28	77	36	59.4	-4	76	314	-50
Nashville	1.82	8.37	8.33	+3.69	+4.23	78	41	62.4	+1	92	371	+7
Nolin Lake	1.68	6.99	6.99	+2.11	+2.71	78	39	60.5	-1	86	346	+16
Paducah	1.48	4.42	4.41	-0.91	-0.25	78	44	61.0	-3	86	366	+32
Princeton	1.57	5.84	5.74	+0.72	+1.26	78	42	61.9	-2	93	380	+18
Quicksand	1.10	5.24	4.84	+0.85	+1.00	78	35	59.0	-1	74	320	+22
Somerset	1.39	4.57	4.57	-0.11	+0.47	77	33	58.4	-2	78	302	-28
Spindletop	1.37	4.40	4.32	+0.23	+0.67	78	38	57.9	-2	69	265	-3
Williamstown	1.15	4.87	4.66	+0.44	+0.78	76	35	59.9	-0	85	303	+35

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 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/>

Average Soil Temperature (2-, 4' Bora)  
APR 18 - 24, 2004



Based on preliminary data  
NOAA/LSDA - ONT AGRICULTURAL WEATHER FACILITY  
Supplemental data provided by the High Plains Climate Center, University of Missouri,  
Iowa State University, Alabama A&M University, and USDA/ARCS Soil Climate Analysis Network

**Corn Percent Planted**

State	Apr 25 2004	Prev Week	Prev Year	5-Yr Avg
CO	10	2	8	9
IL	64	40	40	28
IN	42	15	21	14
IA	36	19	21	16
KS	46	31	36	36
<b>KY</b>	<b>72</b>	<b>58</b>	<b>53</b>	<b>48</b>
MI	15	5	2	3
MN	23	6	19	13
MO	78	67	54	52
NE	22	7	11	14
NC	75	51	54	67
ND	17	3	13	6
OH	30	3	14	8
PA	8	3	4	5
SD	8	0	6	5
TN	82	68	77	70
TX	70	63	72	67
WI	3	0	6	5
ALL	37	20	24	20

These 18 States planted 92% of last year's corn acreage.

**Winter Wheat Condition (Percent)**

State	VP	P	F	G	EX
AR	1	4	36	50	9
CA	0	5	20	35	40
CO	22	24	32	19	3
ID	0	3	18	76	3
IL	0	1	18	60	21
IN	1	1	12	66	20
KS	11	19	31	33	6
MI	1	1	18	57	23
MO	1	3	29	56	11
MT	14	22	39	22	3
NE	9	16	36	37	2
NC	1	6	24	63	6
OH	1	4	21	55	19
OK	4	10	28	46	12
OR	1	5	36	46	12
SD	15	23	33	25	4
TX	6	17	31	37	9
WA	2	6	37	48	7
ALL	8	14	30	39	9
Prev Wk	8	15	31	38	8
Prev Yr.	4	11	31	43	11

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.