



**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**

*Released weekly April - November*

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SRM 4-07

**AGRICULTURAL NEWS:** The week began very cold with temperatures gradually rising to normal by mid-week. As the weekend approached, temperatures again dropped bringing frost. The cold front brought moderate to heavy rain. Temperatures averaged 46 degrees, 9 degrees below normal. Total precipitation for the week was 1.74 inches, which was 0.76 inches above normal. **Topsoil moisture** was rated as 1 percent very short, 4 percent short, 63 percent adequate, and 32 percent surplus. **Subsoil moisture** was rated 1 percent very short, 11 percent short, 70 percent adequate, and 18 percent surplus. There were 2.6 days suitable for fieldwork. The main farming activity for the week was tobacco seeding as the weather did not permit other tasks.

**TOBACCO:** As of April 15, plant bed and greenhouse seeding was 88 percent complete. This was 3 percent above the previous year and 1 percent above the five year average. Emergence of transplants reached 69 percent. In comparison, 65 percent of transplants had

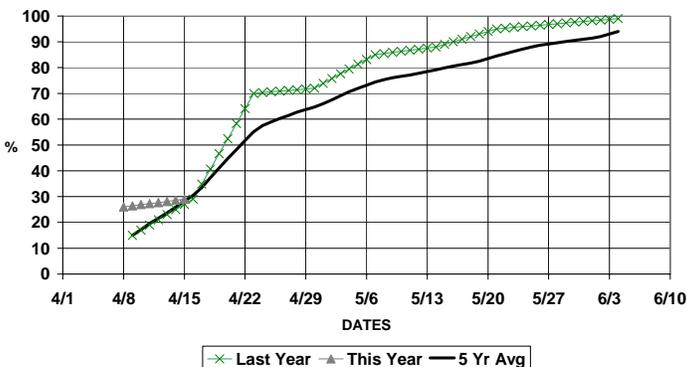
emerged at this time last year with 61 percent being the five year average.

**CORN:** Corn planting progress was hampered by the weather with 29 percent of intended acreage in the ground. Planting was 2 percent ahead of the previous year and 1 percent ahead of the five year average.

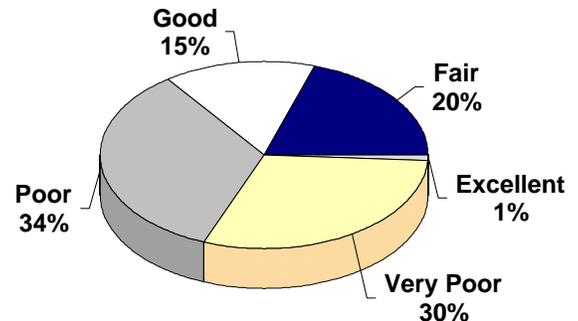
**SMALL GRAINS:** Winter wheat condition was rated 30 percent very poor, 34 percent poor, 20 percent fair, 15 percent good, and 1 percent excellent. Barley condition was 57 percent very poor, 31 percent poor, and 12 percent fair. Freeze damage to small grains was reflected in the dramatic decline in reported conditions.

**OTHER CROPS AND PASTURE:** Early fruit crops and first cutting alfalfa suffered extensive damage resulting from multiple nights of freezing temperatures in the past week. Pasture condition was 1 percent very poor, 12 percent poor, 42 percent fair, 38 percent good, and 7 percent excellent.

**CORN PLANTING PROGRESS**



**WHEAT CONDITION (April 15)**



## KENTUCKY CROP PROGRESS

WEEK ENDING APRIL 15, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Tobacco Transplants					
Seeded	88	85	87	78	NA
Emerged	69	65	61	44	NA
Corn Planted	29	27	28	26	3

(NA)Data Not Available.

## SOIL MOISTURE

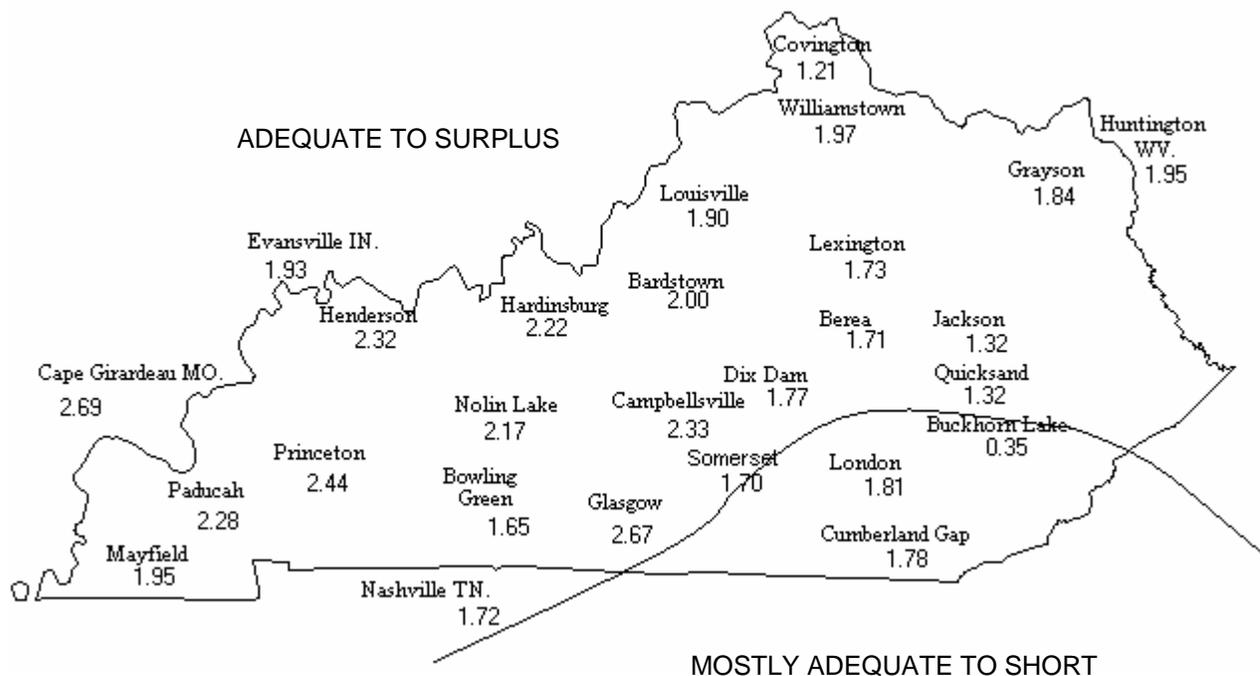
WEEK ENDING APRIL 15, 2007

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	1	1
Short	4	10
Adequate	63	70
Surplus	32	19
<b>SUBSOIL</b>		
Very Short	1	1
Short	11	13
Adequate	70	75
Surplus	18	11

## KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING APRIL 15, 2007					WEEK ENDING APRIL 8, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Wheat	30	34	20	15	1	9	6	21	49	15
Barley	57	31	12	0	0	4	6	17	53	20
Pasture	1	12	42	38	7	0	4	28	53	15
Tobacco Transplants	1	4	36	50	9	-	-	-	-	-

## PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING APRIL 15, 2007



# **KENTUCKY WEATHER SUMMARY, APRIL 9 - 15, 2007:**

## **Below Normal Temperatures and Above Normal Rainfall:**

It was a very cool, wet week for the Bluegrass state. The week started off with temperatures in the low to mid 20s on Monday morning which was a continuation of the previous week's historic cold temperatures. A slight warming trend occurred on Tuesday and Wednesday with highs in the upper 50s and low 60s. The remainder of the week returned to very cool temperatures with frost threatening again late in the weekend. Light to moderate rain occurred on Tuesday and Wednesday. Widespread moderate to heavy rainfall through the weekend interrupted most outdoor activities with flooding and flash flooding mainly in eastern Kentucky.

Temperatures for the past 7 days averaged 46 degrees across the State which was 9 degrees below normal with the same average temperature as the previous week. High temperatures averaged from 57 in the West to 55 in the East. Departure from normal high temperatures ranged from 13 degrees below normal in the West to 9 degrees below normal in the East. Low temperatures averaged from 37 degrees in the West to 37 degrees in the East. Departure from normal low temperature ranged from 8 degrees below normal in the West to 7 degrees below normal in the East.

Precipitation (liq. equ.) for the period totaled 1.74 inches statewide which was 0.76 inches above normal. Precipitation totals by climate division, West 2.08 inches, Central 2.10 inches, Bluegrass 1.58 inches and East 1.19 inches, which was 1.00, 1.10, 0.64 and 0.28 inches respectively above normal. By station, precipitation totals ranged from a low of 0.35 inches at Buckhorn Lake to a high of 2.69 inches at Cape Girardeau.

Tom Priddy

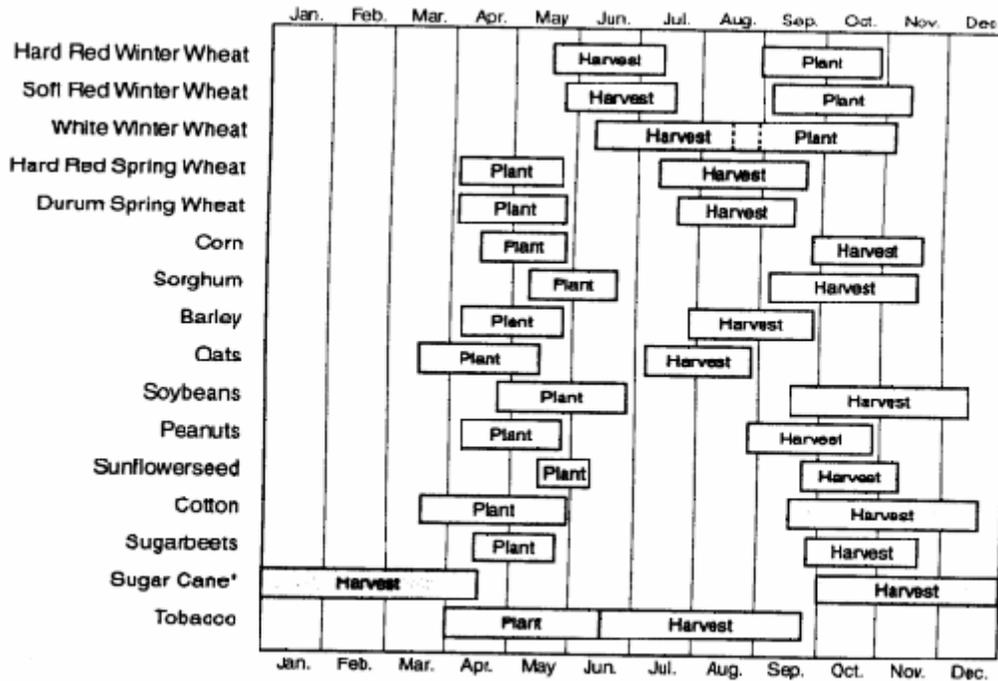
## **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, APRIL 15, 7:00 P.M.**

Weather Station	Precipitation		Deviation From Normal Since Jan. 1	Temperatures				Air Temp.	
	Last Week	Since Jan 1		Soil 4 In. High	Grass Low	Air High	Air Low	Wkly. Avg	Deviation From Normal
	(Inches)			(Degrees Fahrenheit)					
Bardstown	2.00	13.15	+0.74	54	46	62	24	45.7	-10
Berea	1.71	11.00	-1.18	62	45	61	28	46.9	-7
Bowling Green	1.65	9.68	-5.53	--	--	70	26	49.0	-6
Bristol	1.50	7.44	-4.58	--	--	72	22	48.3	-6
Buckhorn Lake	0.35	6.52	-6.83	--	--	63	26	46.1	-8
Cape Girardeau	2.69	13.19	-0.28	--	--	65	22	46.1	-11
Campbellsville	2.33	14.48	-0.42	54	47	63	26	46.5	-9
Covington	1.21	12.34	+0.95	--	--	58	28	42.9	-11
Cumberland Gap	1.78	9.95	-5.47	54	47	63	26	46.1	-8
Dix Dam	1.77	11.69	-1.14	--	--	62	26	45.4	-9
Evansville	1.93	14.34	+1.84	--	--	67	26	45.6	-12
Glasgow	2.67	13.77	-1.61	51	48	66	25	49.1	-6
Grayson	1.84	11.49	+0.52	54	47	62	28	45.8	-8
Hardinsburg	2.22	12.05	-2.07	57	47	64	30	47.4	-8
Henderson	2.32	14.34	+1.33	54	47	64	24	45.7	-12
Huntington	1.95	10.59	-0.32	--	--	62	27	46.1	-8
Jackson	1.32	8.43	-4.85	--	--	63	29	46.1	-8
Lexington	1.73	11.16	-1.25	--	--	62	25	44.7	-9
London	1.81	8.55	-4.91	--	--	63	23	46.2	-8
Louisville	1.90	13.44	+0.50	--	--	63	25	44.4	-11
Mayfield	1.95	11.35	-4.96	54	47	63	26	46.1	-11
Nashville	1.72	10.11	-4.34	--	--	71	32	51.1	-4
Nolin Lake	2.17	12.40	-1.89	--	--	66	27	48.2	-7
Paducah	2.28	14.76	+0.16	55	48	66	25	47.3	-10
Princeton	2.44	13.07	-2.50	55	40	68	26	50.0	-8
Quicksand	1.32	7.60	-5.68	54	47	63	26	46.1	-8
Somerset	1.70	13.63	-0.63	54	45	62	24	44.7	-9
Spindletop	1.64	9.56	-2.85	50	43	61	25	44.1	-10
Williamstown	1.97	16.73	+4.64	54	47	60	27	43.6	-10

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/>

# PLANTING AND HARVESTING CALENDAR FOR MOST MAJOR U.S. CROP AREAS <sup>1/</sup>



\* Planting coincides with harvesting.

<sup>1/</sup> Represents areas where production is concentrated, but not full spectrum of planting and harvesting periods for each crop.

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.