



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

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

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AGRICULTURAL NEWS: March ended with adequate amounts of rainfall to sustain crop and pasture growth, with above average temperatures aiding development. There were several thunderstorms, but none particularly severe in nature. The average temperature across the State was 68 degrees, 17 degrees above normal. The amount of precipitation averaged 0.98 inches. Precipitation amount was 0.04 inches below normal. **Topsoil moisture** was 2 percent very short, 11 percent short, 72 percent adequate, and 15 percent surplus. **Subsoil moisture** was 3 percent very short, 16 percent short, 69 percent adequate, and 12 percent surplus. Drier conditions persisted in the extreme southeast part of the State. There were 4.4 days, out of the possible 7, suitable for fieldwork. Farm work during the week consisted primarily of tobacco seeding, fertilization, and planting preparation. Supply of Nitrogen fertilizer is expected to meet 97 percent of anticipated need. Planting preparation, including plowing and fertilization was 43 percent complete.

TOBACCO: As of April 1, plant bed and greenhouse seeding was 73 percent complete. Seeding completion was 6 percent ahead of last year.

SMALL GRAINS & LEGUMES: Due to a relatively mild winter, the State's winter wheat crop is in mostly good condition. Winter wheat lost due to winter kill was reported at 5 percent. The condition of winter wheat was 1 percent very poor, 4 percent poor, 18 percent fair, 49 percent good, and 28 percent excellent. The barley acreage lost to winter kill was reported at 3 percent. Barley condition was 1 percent poor, 13 percent fair, 68 percent good, and 18 percent excellent. Alfalfa stand loss was 4 percent, while Red clover stand loss was 5 percent.

PASTURE & LIVESTOCK: Pasture condition was reported as 1 percent very poor, 7 percent poor, 31 percent fair, 47 percent good, and 14 percent excellent. Roughage requirements for livestock were 43 percent met by pasture. The majority of farms statewide, 69 percent, were still providing livestock with winter feed. Approximately 20 percent of the winter hay supply was reported as still on hand. Livestock were in mostly good condition.

MARCH 1, 2007 PROSPECTIVE PLANTINGS-PLANTED ACRES, KENTUCKY & UNITED STATES

CROPS	KENTUCKY			UNITED STATES		
	2006	Ind. 2007	07 % of 06	2006	Ind. 2007	07 % of 06
	(Thousand Acres)		Percent	(Thousand Acres)		Percent
Corn	1,120	1,310	117	78,327	90,454	115
Soybeans	1,380	1,280	93	75,522	67,140	89
All Sorghum	18	13	72	6,522	7,109	109
All Hay <u>1/</u>	2,480	2,400	97	60,807	63,056	104
All Tobacco <u>1/</u>	83.0	88.5	107	339.0	344.2	102
Burley Tobacco <u>1/</u>	73.0	77.0	105	103.6	107.5	104
All Wheat <u>2/</u>	430	420	98	57,344	60,303	105
Barley <u>2/</u>	15	12	80	3,452	3,703	107

1/ Harvested acreage. 2/ Includes acreage planted preceding fall.

KENTUCKY CROP PROGRESS

WEEK ENDING APRIL 1, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Tobacco Beds Seeded	73	65	43	NA	NA

(NA)Data Not Available.

SOIL MOISTURE

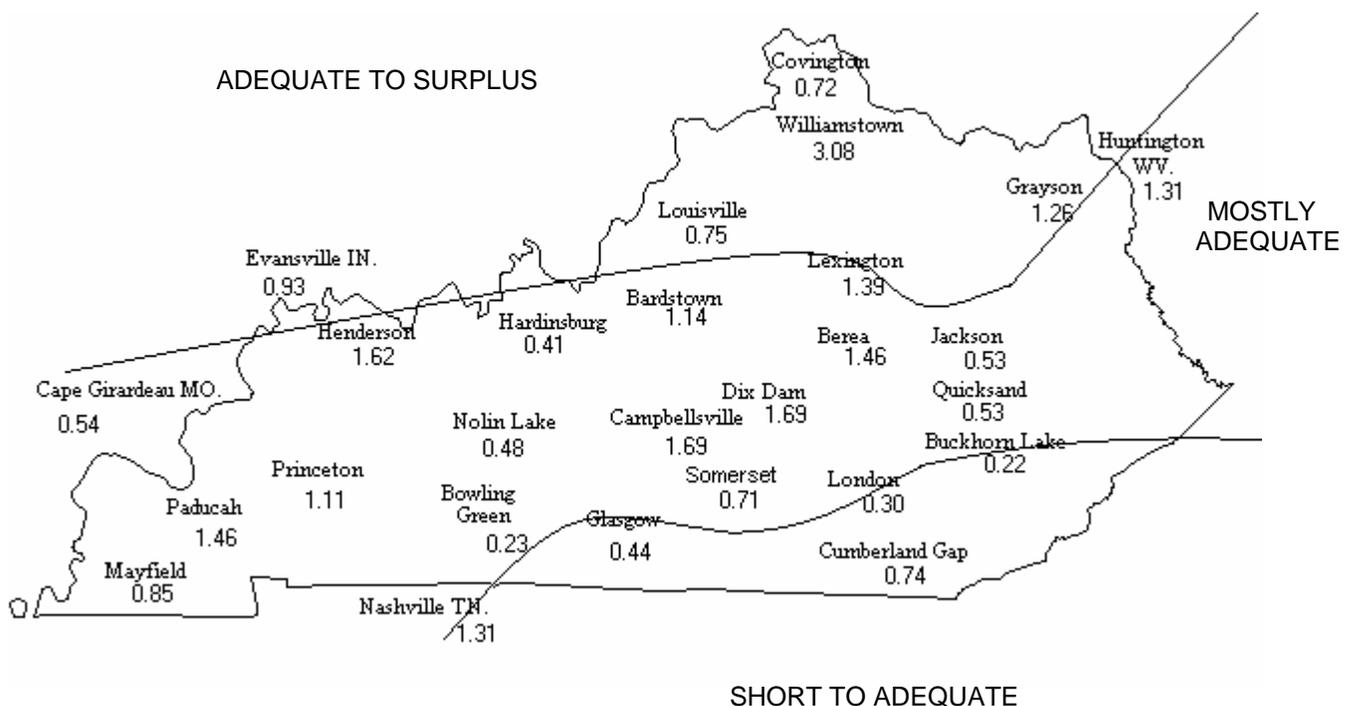
WEEK ENDING APRIL 1, 2007

	This Week	Previous Week
TOPSOIL		
Very Short	2	NA
Short	11	NA
Adequate	72	NA
Surplus	15	NA
SUBSOIL		
Very Short	3	NA
Short	16	NA
Adequate	69	NA
Surplus	12	NA

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING APRIL 1, 2007					WEEK ENDING MARCH 25, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Wheat	1	4	18	49	28	No Survey Conducted				
Barley	0	1	13	68	18					
Pasture	1	7	31	47	14					

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING APRIL 1, 2007



KENTUCKY WEATHER SUMMARY, MARCH 26 - APRIL 1, 2007:

Much Above Normal Temperatures and Near Normal Rainfall:

A very warm and early start to spring for the Bluegrass state. The warm temperatures dominated the entire 7 day period with rainfall at mid-week and on the weekend. This caused an explosion of growth across the entire Commonwealth. Yet, dry conditions were indicated in southern and southeast sections of the State. Temperatures in the low 80s were recorded at most locations. Last week was the 6th week straight with above normal temperatures.

Temperatures for the 7 day period averaged 68 degrees across the State which was 17 degrees above normal and 7 degrees warmer than the previous week. High temperatures averaged from 79 in the West to 76 in the East. Departure from normal high temperatures ranged from 14 degrees above normal in the West to 18 degrees above normal in the East. Low temperatures averaged from 58 degrees in the West to 58 degrees in the East. Departure from normal low temperature ranged from 18 degrees above normal in the West to 19 degrees above in the East. The extreme high temperature was near 85 degrees at Paducah and the extreme low temperatures was near 49 degrees at Jackson.

Precipitation (liq. equ.) for the period totaled 0.98 inches statewide which was -0.04 inches from normal. Precipitation totals by climate division, West 1.09 inches, Central 0.57 inches, Bluegrass 1.58 inches and East 0.70 inches, which was -0.03, -0.47, +0.59 and -0.26 inches respectively from normal. By station, precipitation totals ranged from a low of 0.16 inches at Bristol to a high of 3.08 inches at Williamstown.

Tom Priddy

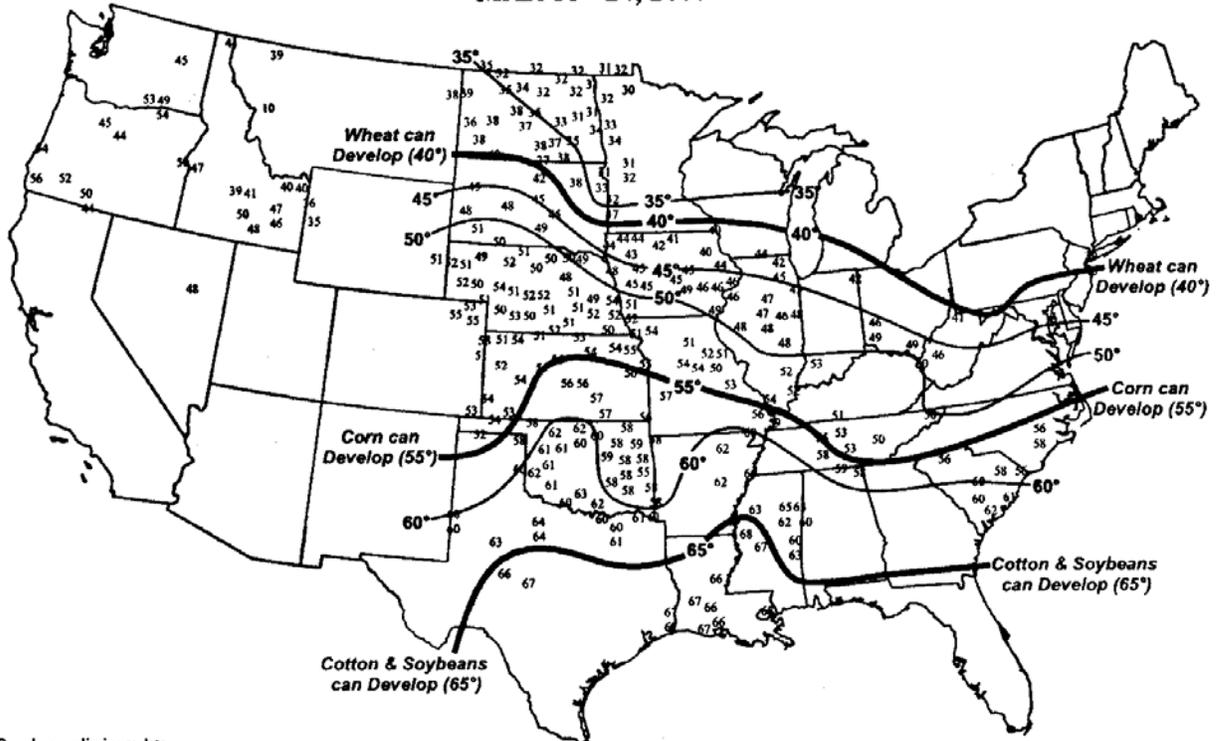
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, APRIL 1, 7:00 P.M.

Weather Station	Precipitation		Deviation From Normal Since Jan. 1	Temperatures					Air Temp.
	Last Week	Since Jan 1		Soil 4 In. High	Grass Low	High	Air Low	Wkly. Avg	Deviation From Normal
	(Inches)			(Degrees Fahrenheit)					
Bardstown	1.14	10.21	-0.39	65	60	81	51	67.2	+17
Berea	1.46	8.37	-1.82	63	55	85	52	68.1	+19
Bowling Green	0.23	7.52	-5.67	--	--	84	55	68.6	+18
Bristol	0.16	5.24	-5.24	--	--	80	44	63.8	+15
Buckhorn Lake	0.22	5.79	-5.81	--	--	83	56	68.4	+20
Cape Girardeau	0.54	10.45	-0.95	--	--	83	50	67.6	+15
Campbellsville	1.69	10.53	-2.16	62	53	84	51	67.7	+18
Covington	0.72	10.48	+0.84	--	--	81	51	65.4	+17
Cumberland Gap	0.74	6.89	-6.63	63	57	83	56	67.6	+19
Dix Dam	1.69	8.56	-2.30	--	--	82	51	67.1	+18
Evansville	0.93	11.80	+1.18	--	--	81	52	67.5	+15
Glasgow	0.44	10.11	-3.15	60	56	87	55	69.6	+19
Grayson	1.26	9.13	-0.15	63	57	83	45	66.6	+18
Hardinsburg	0.41	9.05	-3.06	70	64	84	55	68.1	+18
Henderson	1.62	11.06	+0.04	63	57	83	51	67.6	+15
Huntington	1.31	8.60	-0.63	--	--	84	43	65.3	+17
Jackson	0.53	6.93	-4.44	--	--	81	49	67.4	+19
Lexington	1.39	8.64	-1.96	--	--	80	50	66.4	+18
London	0.30	6.74	-4.89	--	--	84	54	69.1	+20
Louisville	0.75	10.45	-0.51	--	--	82	50	67.4	+17
Mayfield	0.85	8.50	-5.45	63	57	83	55	67.5	+15
Nashville	1.31	7.65	-4.76	--	--	86	58	70.4	+20
Nolin Lake	0.48	9.12	-3.05	--	--	85	50	68.6	+18
Paducah	1.46	12.12	-0.14	--	56	83	56	69.0	+16
Princeton	1.11	9.99	-3.34	64	56	85	51	69.7	+17
Quicksand	0.53	6.15	-5.22	63	57	83	56	68.4	+20
Somerset	0.71	11.07	-1.16	64	51	82	48	64.2	+16
Spindletop	1.13	7.13	-3.47	61	55	79	49	65.6	+17
Williamstown	3.08	13.85	+3.70	63	57	82	51	66.1	+17

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/>

Average Soil Temperature (°F, 4" Bare)

MAR 18 - 24, 2007



Based on preliminary data

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Supplemental data provided by Alabama A&M University, Bureau of Reclamation - Pacific Northwest Region AgriMet Program, High Plains Regional Climate Center, Illinois State Water Survey, Iowa State University, Louisiana Agricultural Information System, Mississippi State University, Oklahoma Mesonet, Purdue University, University of Missouri and USDA/NRCS Soil Climate Analysis Network.

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.