



KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
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Kentucky Department of Agriculture
Cooperative Extension Service

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TNS 34-00

This is the last issue of the 2000 Weekly Crop Weather Report. We thank and are most appreciative of the many farmers, county agricultural agents, county FSA offices, soil conservationists, and others who made this report possible by supplying the basic information each week. Thanks to Tom Priddy and the U.K. Ag Weather Center for supplying the weather data for this report. Also, thanks to the agricultural news media for the professional manner in which they distribute agricultural news across the State. Publication of the 2001 series will begin about the first week of April.

AGRICULTURAL NEWS: Most areas of the State received much needed rain during the week. Temperatures averaged 3 degrees above normal for the week. Precipitation for the week totaled 1.90 inches statewide which was 0.98 inches above normal. Wet fields slowed all harvesting that remained. Stripping tobacco was the major activity in most areas of the State. **Days suitable for fieldwork** averaged 3.4 out of six. As of Friday, November 10, **topsoil moisture** condition was rated 9 percent very short, 21 percent short, 62 percent adequate and 8 percent surplus. **Subsoil moisture** condition was rated 23 percent very short, 32 percent short, 42 percent adequate, and 3 percent surplus. Cattle were in mostly good condition, and hay supplies appear to be more than adequate to last the coming winter feeding cycle.

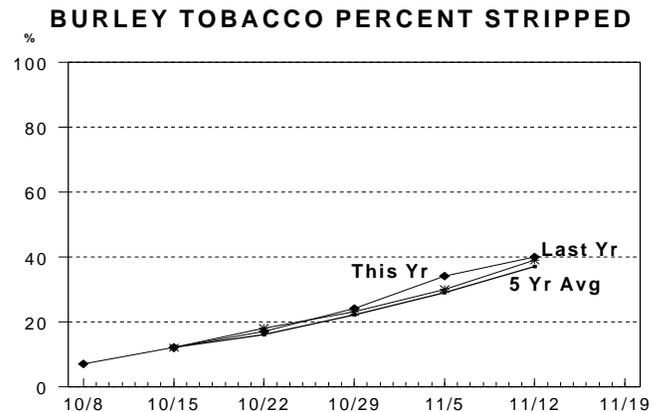
CORN: Last weeks rain was the first impediment to this harvest season. Corn harvest was virtually complete as of Sunday, November 12, compared with 100 percent last year and the five-year average of 96 percent.

SOYBEANS: Wet weather slowed harvest which was 93 percent complete as of Sunday, November 12, compared with 94 percent a year ago, and the average of 84 percent.

TOBACCO: Wet weather aided the curing process, and stripping made good progress statewide. Tobacco yields appear to be above average and good quality, with limited houseburn reported across the State. **Burley** stripping was 40 percent complete by Sunday, November 12. Last year at this time, 39 percent had been stripped and the average was 37 percent. The condition of stripped tobacco was rated 1 percent very poor, 4 percent poor, 27 percent fair, 51 percent good, and 17 percent in excellent condition. Most

producers seem to be quite pleased with the crop considering the long warm dry fall that they just experienced. Burley tobacco auction markets will open Monday, November 20, however direct sales delivery began on November 6.

OTHER CROPS: Fall seeded crops have responded well to the moisture received during the past week. Some stands were slow to develop due to the dry weather this fall. **Winter wheat** seeding was winding down with 87 percent of the crop in the ground by Sunday, November 12, compared with 94 percent for last year and the five-year average of 92 percent. The condition of emerged wheat was rated 2 percent poor, 20 percent fair, 56 percent good, and 22 percent excellent. Moisture supplies going into winter vary considerably throughout the State. Some are very concerned that stock ponds are extremely low in the eastern part of the State. As of Friday, November 10, **pastures** were rated 5 percent very poor, 13 percent poor, 36 percent fair, 41 percent good, and 5 percent excellent.



KENTUCKY CROP PROGRESS
WEEK ENDING NOVEMBER 12, 2000
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans Harvested	93	94	84	85	95
Burley Tobacco Stripped	40	39	37	34	NA
Wheat Seeded	87	94	92	83	85

(NA) Data Not Available.

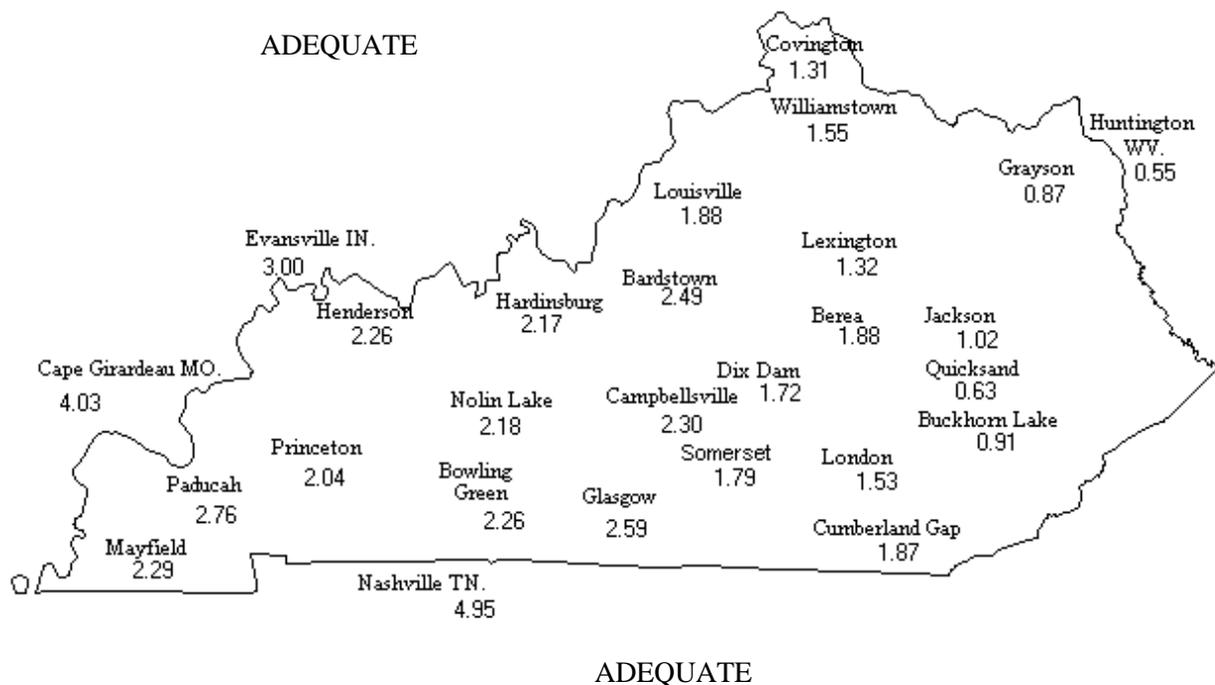
SOIL MOISTURE
WEEK ENDING NOVEMBER 10, 2000
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	9	28
Short	21	46
Adequate	62	26
Surplus	8	0
SUBSOIL		
Very Short	23	31
Short	32	41
Adequate	42	28
Surplus	3	0

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING NOVEMBER 10, 2000					WEEK ENDING NOVEMBER 3, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Emerged Wheat	0	2	20	56	22	1	4	24	52	19
Pasture	5	13	36	41	5	11	17	30	38	4
Quality of Stripped Tobacco	1	4	27	51	17	1	4	26	50	19

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, NOVEMBER 12, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, NOVEMBER 10, 2000



KENTUCKY WEATHER SUMMARY, NOVEMBER 6 - 12, 2000:
ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

The lengthy run of below normal weekly rainfall totals came to an end last week as beneficial rainfall covered most of the Bluegrass state ending very serious forest fires in Eastern Ky, providing needed moisture for seeded and newly established winter wheat and higher humidities which enhanced tobacco curing and stripping operations.

Temperatures for the past week averaged 52 degrees across the State which was 3 degrees ABOVE normal. High temperatures averaged from 57 in the West to 62 in the East. Departure from normal high temperatures ranged from 5 degrees BELOW normal in the West to 4 degrees ABOVE normal in the East. Low temperatures averaged from 44 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 4 degrees ABOVE normal in the West to 7 degrees ABOVE normal in the East.

Precipitation (liq. equ.) for the week totaled 1.90 inches statewide which was 0.98 inches ABOVE normal. Rainfall totals by climate division, West 2.73 inches, Central 2.26 inches, Bluegrass 1.47 inches and East 1.15 inches, which was 1.73, 1.30, 0.64 and 0.26 inches respectively ABOVE normal. By Kentucky station, rainfall totals ranged from a low of 0.63 inches at Quicksand to a high of 2.76 inches at Paducah.

Tom Priddy

**KENTUCKY TEMPERATURES AND RAINFALL
 FOR WEEK ENDING SUNDAY, NOVEMBER 12, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly Avg.	Dev. From Norm	Average		
										High	Low	
	(Inches)			(Degrees Fahrenheit)								
Bardstown	2.49	23.65	2.69	-4.42	+0.01	72	33	51.9	+3	95	49	
Berea	1.88	29.38	2.74	-0.38	-0.24	71	31	51.8	+5	90	45	
Bowling Green	2.26	23.88	2.43	-6.31	-0.90	75	32	52.7	+4	--	--	
Bristol	1.85	22.99	1.87	-2.27	-0.64	77	29	53.4	+6	--	--	
Buckhorn Lake	0.91	31.83	1.37	+3.39	-1.54	74	29	53.1	+6	--	--	
Cape Girardeau	4.03	23.15	4.36	-5.12	+1.23	67	32	48.1	-3	--	--	
Campbellsville	2.30	27.59	2.50	-5.83	-0.73	72	32	52.6	+4	93	46	
Covington	1.31	27.69	1.51	+1.11	-1.35	70	36	50.5	+4	--	--	
Cumberland Gap	1.87	24.85	3.10	-6.00	-0.32	75	30	54.8	+8	95	43	
Dix Dam	1.72	16.82	2.24	-12.40	-0.70	71	32	51.6	+5	--	--	
Evansville	3.00	29.39	3.37	+2.65	+0.40	62	34	51.4	+1	--	--	
Glasgow	2.59	27.73	2.80	-4.54	-0.58	74	32	53.7	+5	95	46	
Grayson	0.87	30.93	1.62	+3.59	-1.19	71	32	52.6	+6	95	49	
Hardinsburg	2.17	26.25	2.43	-3.63	-0.80	72	33	51.4	+3	95	54	
Henderson	2.26	26.76	2.45	-0.98	-0.62	66	33	50.2	-1	95	49	
Huntington	0.55	26.00	0.95	-1.54	-1.93	71	29	52.5	+6	--	--	
Jackson	1.02	34.06	2.05	+4.42	-1.00	73	35	52.4	+5	--	--	
Lexington	1.32	25.93	1.92	-2.14	-0.76	71	33	51.9	+5	--	--	
London	1.53	24.25	2.23	-3.41	-0.74	71	30	51.6	+5	--	--	
Louisville	1.88	28.00	2.14	+0.29	-0.74	74	33	51.0	+2	--	--	
Mayfield	2.29	30.60	2.40	-0.69	-1.42	69	33	51.9	+1	96	49	
Nashville	4.95	26.68	5.03	-1.25	+2.03	77	32	53.2	+5	--	--	
Nolin Lake	2.18	27.54	2.37	-4.38	-1.07	75	32	52.2	+4	--	--	
Paducah	2.76	26.75	2.93	-3.20	-0.35	68	33	50.6	-0	92	48	
Princeton	2.04	27.71	2.09	-2.43	-1.34	66	34	51.2	+0	98	56	
Quicksand	0.63	36.51	0.95	+6.87	-2.10	74	28	52.9	+6	98	47	
Somerset	1.79	32.37	1.97	+0.95	-1.39	72	31	53.2	+6	93	47	
Spindletop	1.02	24.50	1.82	-3.57	-0.86	71	31	50.6	+4	90	52	
Williamstown	1.55	27.05	1.93	-1.14	-1.03	72	35	53.4	+6	94	52	

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

WIND CHILL CHART

Wind Speed MPH	Air Temperature (Degrees Fahrenheit)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

WIND CHILL (Equivalent Temperature)

During the winter months many decisions are made which depend upon the temperatures and the extremes which might be expected. Not only do we dress according to the thermometer, but we use it to anticipate the feed requirements and care of livestock. If we have to be out-of-doors, as is the case with children who have to stand waiting for a school bus, we soon find that the temperature alone gives too little information. Should the temperature be zero with a light wind, we would not be as cold as with a strong wind. Thus if we have an idea of how much wind increases the chilling effect of temperature on the human body, we can get a better estimate of how "cold" it really is. If you have any questions regarding the graph please contact Tom Priddy at (859) 257-3000.

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, send an E-Mail message to nass-state-releases@news.usda.gov with the following command in the body of the message: **subscribe ky-crop-weather <e-mail address>**. The E-Mail address is optional; leave the address blank unless subscribing for someone else. The default address is where you sent the message from. You would unsubscribe in a similar way but use the word unsubscribe.

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