

This is the last issue of the 2003 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 2004 series will begin about the first week of April.

AGRICULTURAL NEWS: Scattered rain, heavy at times, together with windy conditions and cooler temperatures prevailed throughout the State last week. Farmers have mainly been taking down and stripping tobacco as well as harvesting corn and soybeans as grain moisture levels permit. Farmers are also continuing to sow their winter wheat, work their land for next year's plantings, and working cattle. **Topsoil moisture** as of Friday, November 14 was 1 percent short, 65 percent adequate, and 34 percent surplus. **Subsoil moisture** was 1 percent very short, 3 percent short, 78 percent adequate, and 18 percent surplus. Days suitable for field work averaged 3.6 out of a possible 7 days.

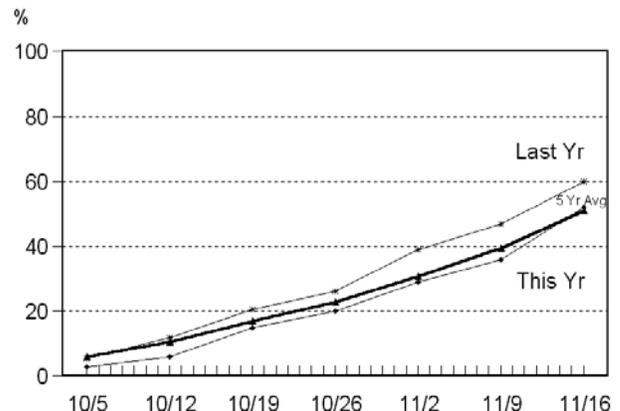
TOBACCO: As of Sunday, November 16, **burley tobacco** crop was 52 percent stripped. This compared to 60 percent last year and 51 percent for the five-year average. Favorable humidity from recent rains has enabled tobacco stripping to continue. With a good production year, most tobacco growers feel they will make their production quota. Farmers have reported that stripped tobacco is tending to weigh a little lighter than expected. Quality and color has been reported as good. Burley tobacco yield was last estimated as of October 1 at 2,100 pounds. This estimate was carried over for November 1. Condition of the stripped tobacco was reported as 1 percent very poor, 5 percent short, 22 percent fair, 52 percent good, and 20 percent excellent.

CORN: Corn harvest was virtually complete with 99 percent of the crop harvested on November 16th. This compared to 100 percent for last year and the five-year average. Corn yield as of November 1 was 140 bushels per acre, up 36 bushels from the drought reduced 2002 crop and the second largest yield on record. The estimated yield was released on November 12th. The record yield of 142 bushels occurred in 2001. Farmers have reported their 2003 crop had good to excellent yields with good quality.

SOYBEANS: As of Sunday, November 16, soybean harvest was 90 percent complete compared to 80 percent last year at this time and 93 percent for the five-year average. Yields have been good to excellent with excellent quality. The soybean yield as of November 1 was 43 bushels per acre. This was a record high. The previous record was established in 2001.

OTHER CROPS: **Winter wheat** seeding was 96 percent complete as of November 16. This compared to last year's 80 percent and the five-year average of 93 percent. The emerged crop was 1 percent very poor, 1 percent poor, 15 percent fair, 55 percent good, and 28 percent excellent. Good soil moisture and fair temperatures this fall have resulted in good germination and plant growth. **Pastures** this fall have supported good livestock grazing. Condition of pastures were rated as 1 percent very poor, 5 percent poor, 22 percent fair, 57 percent good, and 15 percent excellent. Kentucky farmers were still reporting their livestock in good to excellent condition.

BURLEY TOBACCO PERCENT STRIPPED



KENTUCKY CROP PROGRESS
WEEK ENDING NOVEMBER 16, 2003
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Harvested	90	80	93	85	95
Corn					
Harvested	99	100	100	97	91
Burley Tobacco					
Stripped	52	60	51	36	NA
Wheat Seeded	96	80	93	91	95

(NA) Data Not Available.

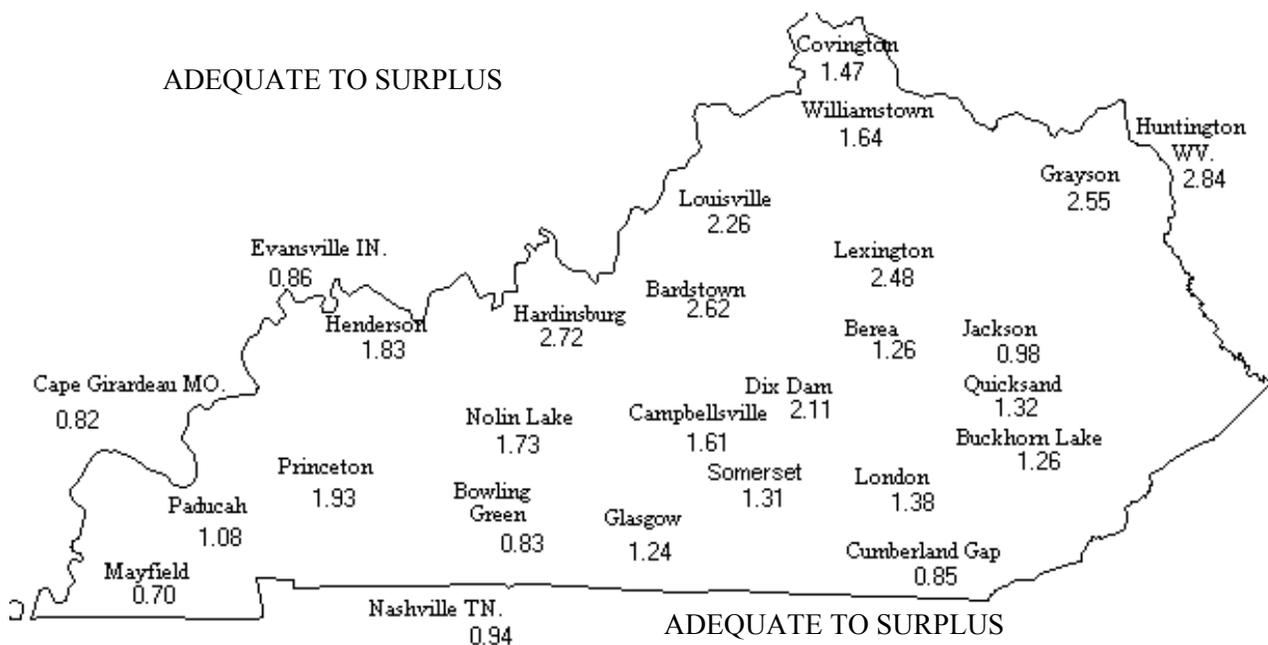
SOIL MOISTURE
WEEK ENDING NOVEMBER 14, 2003
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	0	0
Short	1	6
Adequate	65	75
Surplus	34	19
SUBSOIL		
Very Short	1	1
Short	3	5
Adequate	78	85
Surplus	18	9

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING NOVEMBER 14, 2003					WEEK ENDING NOVEMBER 7, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Emerged Wheat	1	1	15	55	28	0	2	13	59	26
Pasture	1	5	22	57	15	1	4	22	57	16
Quality of Stripped Tobacco	1	5	22	52	20	0	5	32	47	16

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, NOVEMBER 16, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, NOVEMBER 14, 2003



KENTUCKY WEATHER SUMMARY, NOVEMBER 10 - 16, 2003:
ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:

The week started off on the cool side with the last freeze warnings of the season being issued for Monday night. High temperatures were in the upper 60's on Tuesday and Wednesday ahead of a strong low pressure system. However, conditions were wet as many locales received well over an inch of rain causing flood warnings to be issued for eastern counties. High winds were a problem on Thursday as gusts approached 40 mph. Temperatures also cooled down significantly into the middle 20's Friday morning. More rain had entered the state by Friday night and cloudy wet weather lingered through the weekend. The rainy weather allowed the rainfall to be well above normal for the first time in the past seven weeks. Temperatures remained above normal for the 4th consecutive week.

Temperatures for the period averaged 50 degrees across the state which was 2 degrees above normal. High temperatures averaged from 58 in the West to 56 in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 0 degrees from normal in the East. Low temperatures averaged from 44 degrees in the West to 42 degrees in the East. Departure from normal low temperature ranged from 5 degrees above normal in the West to 7 degrees above normal in the East. Extreme highs were in the middle 70's, and extreme lows were in the middle 20's.

Rainfall for the period totaled 1.61 inches statewide which was 0.69 inches above normal. Rainfall totals by climate division, West 1.20 inches, Central 1.90 inches, Bluegrass 1.76 inches and East 1.56 inches, which was 0.21, 0.94, 0.94 and 0.68 inches respectively above normal. By station, rainfall totals ranged from a low of 0.70 inches at Mayfield to a high of 2.72 inches at Hardinsburg.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, NOVEMBER 16, 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			
	(Inches)			(Degrees Fahrenheit)								High	Low
Bardstown	2.62	40.97	4.27	+12.45	+1.47	67	27	49.6	+2	96	56		
Berea	1.26	38.49	4.04	+8.22	+0.91	68	30	50.6	+5	93	57		
Bowling Green	0.83	37.49	2.88	+6.71	-0.65	73	28	51.4	+4	--	--		
Bristol	0.54	46.64	3.74	+20.99	+1.17	71	25	48.6	+3	--	--		
Buckhorn Lake	1.26	40.59	4.28	+11.67	+1.25	70	27	50.2	+4	--	--		
Cape Girardeau	0.82	38.39	1.75	+9.59	-1.52	69	29	49.7	+0	--	--		
Campbellsville	1.61	41.22	3.93	+7.26	+0.57	69	25	49.9	+3	97	60		
Covington	1.47	30.39	2.56	+3.34	-0.39	67	24	46.1	+0	--	--		
Cumberland Gap	0.85	44.53	3.34	+13.11	-0.23	70	26	49.5	+4	96	59		
Dix Dam	2.11	39.89	4.24	+10.18	+1.18	67	28	49.4	+4	--	--		
Evansville	0.86	24.28	1.70	-2.96	-1.40	69	30	51.3	+2	--	--		
Glasgow	1.24	43.47	3.52	+10.59	-0.08	71	25	52.3	+5	99	63		
Grayson	2.55	40.45	5.43	+12.68	+2.59	67	28	48.1	+2	96	59		
Hardinsburg	2.72	39.74	4.66	+9.31	+1.27	65	28	48.8	+1	95	58		
Henderson	1.83	38.23	3.50	+9.95	+0.24	69	29	49.9	+0	96	59		
Huntington	2.84	41.14	5.92	+13.15	+2.98	67	28	48.0	+2	--	--		
Jackson	0.98	35.93	3.84	+5.77	+0.64	67	27	48.6	+3	--	--		
Lexington	2.48	38.35	4.52	+9.83	+1.72	65	26	47.8	+2	--	--		
London	1.38	45.41	3.64	+17.24	+0.51	68	26	48.6	+3	--	--		
Louisville	2.26	39.20	3.44	+11.00	+0.42	65	29	48.9	+2	--	--		
Mayfield	0.70	24.11	0.90	-7.83	-3.11	68	26	48.8	-1	96	59		
Nashville	0.94	36.41	2.07	+7.93	-1.14	73	28	53.4	+6	--	--		
Nolin Lake	1.73	39.27	3.84	+6.74	+0.21	69	27	50.8	+3	--	--		
Paducah	1.08	32.36	1.96	+1.84	-1.51	75	28	51.9	+2	94	54		
Princeton	1.93	35.90	4.20	+5.14	+0.55	71	28	52.1	+2	98	66		
Quicksand	1.32	42.73	4.50	+12.57	+1.30	70	27	50.8	+5	96	59		
Somerset	1.31	46.83	3.59	+14.86	+0.09	69	24	49.0	+3	96	59		
Spindletop	1.63	30.80	3.38	+2.28	+0.58	66	28	47.0	+1	91	56		
Williamstown	1.64	36.28	3.02	+7.62	-0.03	65	26	48.4	+3	96	59		

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000. E-mail: priddy@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, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.

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