



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

# 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

*LELAND E. BROWN, State Statistician*

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JOC 28-03

**AGRICULTURAL NEWS:** Below average temperatures last week were predominant across the State. Temperatures for the week averaged 52 degrees, 10 degrees below normal. Some scattered frost was reported across northern areas. Precipitation for the week totaled 0.27 inches which was 0.43 inches below normal. The rains only slightly slowed harvesting in Kentucky. **Days suitable for fieldwork** averaged 5.3 out of seven. Harvesting corn and soybeans and clipping pastures were the major farm activities reported. Farmers are in the final stages of cutting and housing tobacco. **Topsoil moisture** as of Friday, October 3 was rated 7 percent short, 83 percent adequate and 10 percent surplus. **Subsoil moisture** was rated 1 percent very short, 8 percent short, 82 percent adequate, and 9 percent surplus.

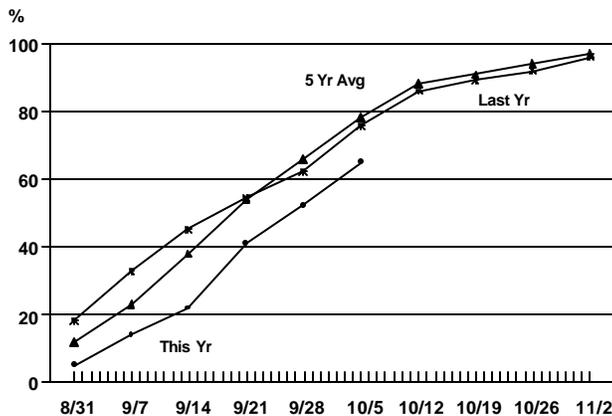
**TOBACCO:** As of Sunday, October 5, **burley tobacco** harvest advanced to 96 percent complete compared to 99 percent last year and the average of 98 percent. The status of burley tobacco in the barn was reported 84 percent not ready for stripping, 13 percent ready for stripping, and 3 percent stripped. Condition of housed tobacco on Friday, October 3 was reported as 6 percent poor, 23 percent fair, 53 percent good, and 18 percent excellent. **Dark tobacco** harvest reached 95 percent complete compared with 99 percent a year ago and the average of 98 percent.

**SOYBEANS:** Harvest was just underway with 13 percent combined, compared with 17 percent last year and the average of 26 percent. Soybeans mature were reported at 80 percent, compared with 87 percent last year, and a 5 year average of 80 percent, with 80 percent safe from frost damage. As of Sunday, October 5, 96 percent were dropping leaves compared to 84 percent a year ago and the average of 80 percent. On Friday, October 3, soybean condition was rated 2 percent poor, 15 percent fair, 52 percent good and 31 percent excellent.

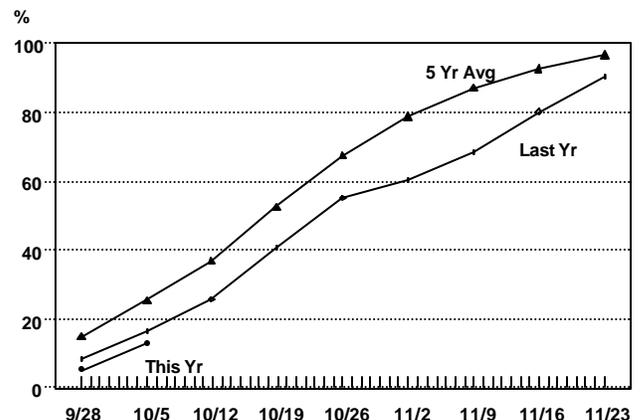
**CORN:** As of October 5, 96 percent of the corn had reached maturity, compared with 99 percent for both last year and the 5 year average. Condition was reported 1 percent very poor, 4 percent poor, 21 percent fair, 37 percent good, and 37 percent excellent. Harvest reached 65 percent complete compared with 76 percent last year and the average of 78 percent. Reports of above average corn yields and quality continue as farmers harvest the crop this year.

**OTHER CROPS: Pastures** were rated 1 percent very poor, 2 percent poor, 21 percent fair, 61 percent good, and 15 percent excellent. **Winter wheat** seeding reached 10 percent compared with 11 percent last year, and the average of 15 percent. Some farmers reported that they were still putting up hay last week.

**CORN HARVESTED PROGRESS**



**SOYBEANS HARVESTED PROGRESS**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING OCTOBER 5, 2003  
WITH COMPARISONS

**SOIL MOISTURE**  
WEEK ENDING OCTOBER 3, 2003  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Shedding Leaves	96	84	80	70	78
Harvested	13	17	26	5	17
Corn					
Mature	96	99	99	94	79
Harvested	65	76	78	52	18
Winter Wheat Seeded	10	11	15	NA	49
Burley Tobacco Cut	96	99	98	82	NA
Dark Tobacco Cut	95	99	98	88	NA

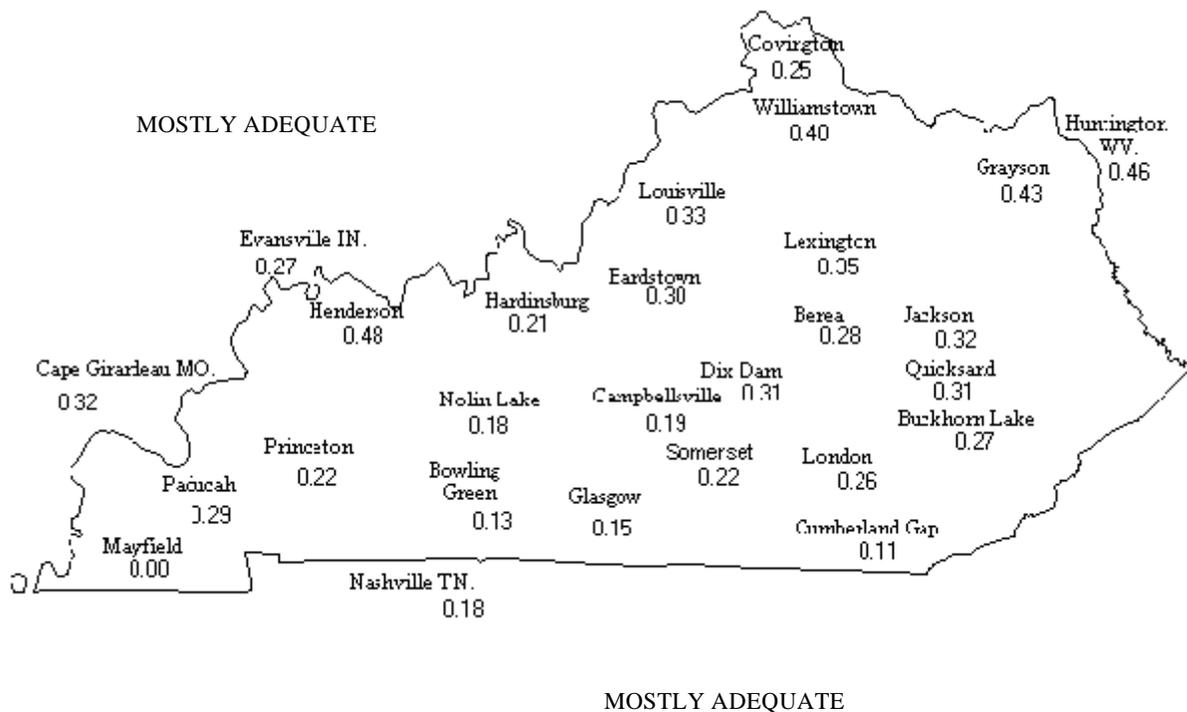
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	0
Short	7	5
Adequate	83	82
Surplus	10	13
<b>SUBSOIL</b>		
Very Short	1	0
Short	8	8
Adequate	82	80
Surplus	9	12

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING OCTOBER 3, 2003					WEEK ENDING SEPTEMBER 26, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Soybeans	0	2	15	52	31	0	1	16	53	30
Pasture	1	2	21	61	15	1	2	21	59	17
Housed Tobacco	0	6	23	53	18	3	12	33	35	17

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, OCTOBER 5, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, OCTOBER 3, 2003**



**KENTUCKY WEATHER SUMMARY, SEPTEMBER 29 - OCTOBER 5, 2003:**

**BELOW NORMAL TEMPERATURE AND BELOW NORMAL RAINFALL:**

Unseasonably cool, record low temperatures, with scattered frost and mostly dry conditions dominated the week and provided minimal interruptions to harvest and field activities. This was the third week straight with cooler than normal temperatures.

Temperatures for the period averaged 52 degrees across the State which was 10 degrees below normal and 12 degrees cooler than the previous week. High temperatures averaged from 65 in the West to 63 in the East. Departure from normal high temperatures ranged from 11 degrees below normal in the West to 10 degrees below normal in the East. Low temperatures averaged from 41 degrees in the West to 41 degrees in the East. Departure from normal low temperature ranged from 12 degrees below normal in the West to 10 degrees below normal in the East.

Rainfall for the period totaled 0.27 inches statewide which was 0.43 inches below normal. Precipitation totals by climate division, West 0.26 inches, Central 0.22 inches, Bluegrass 0.30 inches and East 0.30 inches, which was 0.46, 0.50, 0.37 and 0.41 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Mayfield to a high of 0.48 inches at Henderson.

Tom Priddy

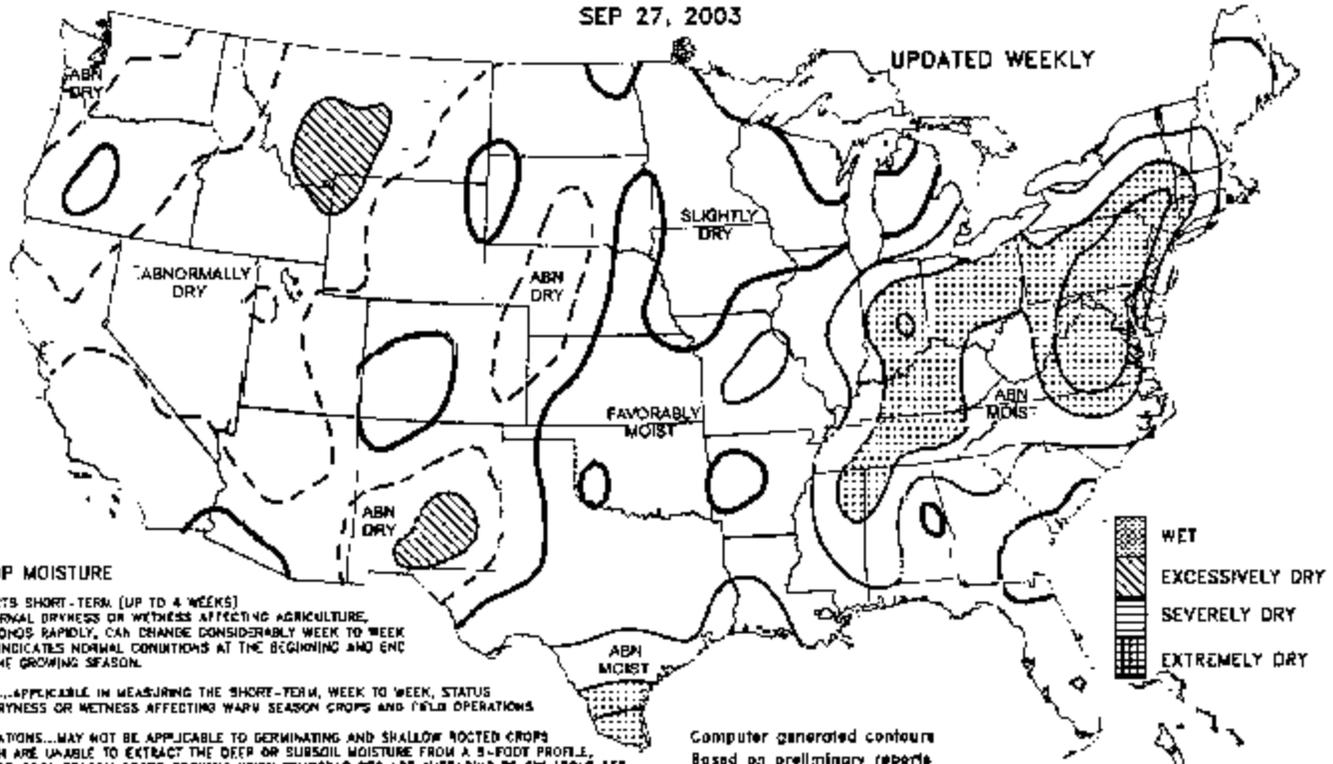
**KENTUCKY TEMPERATURES AND RAINFALL  
FOR WEEK ENDING SUNDAY, OCTOBER 5, 7:00 P.M.**

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	0.30	36.08	4.05	+11.53	+1.18	70	34	52.2	-10	96	57		
Berea	0.28	33.93	2.44	+8.05	-1.08	70	35	52.6	-9	93	58		
Bowling Green	0.13	34.08	4.89	+8.19	+1.55	71	34	53.9	-9	--	--		
Bristol	0.02	42.25	2.58	+20.34	-0.34	69	32	51.4	-10	--	--		
Buckhorn Lake	0.27	35.18	2.18	+10.57	-1.08	69	32	51.6	-10	--	--		
Cape Girardeau	0.32	35.10	1.46	+10.93	-1.76	72	35	52.4	-12	--	--		
Campbellsville	0.19	36.70	4.28	+7.52	+0.21	70	32	53.4	-9	97	61		
Covington	0.25	26.66	2.46	+3.86	-0.21	70	31	50.1	-11	--	--		
Cumberland Gap	0.11	40.30	3.58	+13.94	+0.69	68	32	52.3	-9	96	60		
Dix Dam	0.31	35.05	3.09	+9.69	+0.01	71	35	52.1	-10	--	--		
Evansville	0.27	21.66	2.11	-1.18	-0.63	73	35	52.5	-12	--	--		
Glasgow	0.15	39.32	5.39	+11.39	+1.92	72	32	54.0	-9	99	63		
Grayson	0.43	34.45	2.52	+10.88	-0.07	69	30	51.1	-11	96	60		
Hardinsburg	0.21	34.10	3.39	+8.44	+0.10	70	34	53.1	-10	95	59		
Henderson	0.48	34.02	2.58	+10.25	-0.52	73	34	53.4	-11	96	60		
Huntington	0.46	34.71	2.42	+11.00	-0.20	69	29	50.9	-11	--	--		
Jackson	0.32	31.27	2.33	+5.62	-0.84	69	33	51.5	-10	--	--		
Lexington	0.35	33.21	2.89	+8.66	+0.02	72	34	51.4	-10	--	--		
London	0.26	40.40	3.37	+16.60	+0.26	69	31	51.4	-10	--	--		
Louisville	0.33	34.51	3.22	+10.55	+0.36	73	35	53.0	-10	--	--		
Mayfield	0.00	22.61	3.03	-3.69	-0.60	70	33	52.5	-12	96	60		
Nashville	0.18	33.46	6.69	+9.38	+3.65	74	35	55.7	-7	--	--		
Nolin Lake	0.18	34.68	4.35	+7.22	+0.60	70	34	53.7	-9	--	--		
Paducah	0.29	28.97	2.76	+3.27	-0.55	72	36	54.7	-10	94	54		
Princeton	0.22	30.04	1.81	+4.31	-1.23	72	34	54.1	-11	98	67		
Quicksand	0.31	37.11	1.88	+11.46	-1.29	69	33	51.8	-10	96	60		
Somerset	0.22	42.17	3.72	+15.17	+0.13	71	32	52.4	-9	96	60		
Spindletop	0.23	26.84	2.31	+2.29	-0.56	71	33	50.9	-11	92	56		
Williamstown	0.40	33.09	4.56	+8.83	+1.63	72	33	52.4	-9	96	60		

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/>

**Crop Moisture**  
**SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE**  
**SEP 27, 2003**

UPDATED WEEKLY



**CROP MOISTURE**

DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F. IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEFINED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours  
 Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

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