



# KENTUCKY WEEKLY CROP & WEATHER REPORT



Kentucky Agricultural Statistics Service  
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Prepared 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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RPT 28-01

**AGRICULTURAL NEWS:** Near record low temperatures and mostly dry conditions were common this week. Temperatures averaged 8 to 11 degrees below normal. A few reports of light frost were reported in low lying areas. Days suitable for fieldwork averaged 5.5 out of six. Harvesting hay and corn, cutting and housing tobacco, and seeding fall grains were major farm activities. Topsoil moisture supplies on Friday, September 28 were rated 9 percent very short, 31 percent short, 58 percent adequate, and 2 percent surplus. Subsoil moisture was rated 11 percent very short, 37 percent short, 51 percent adequate, and 1 percent surplus.

**CORN:** Harvest made good progress and reached 68 percent complete as of Sunday, September 30 compared with 62 percent last year and the five-year average of 55. Nearly all of the remaining crop was mature. Most areas continued to report good to excellent yields.

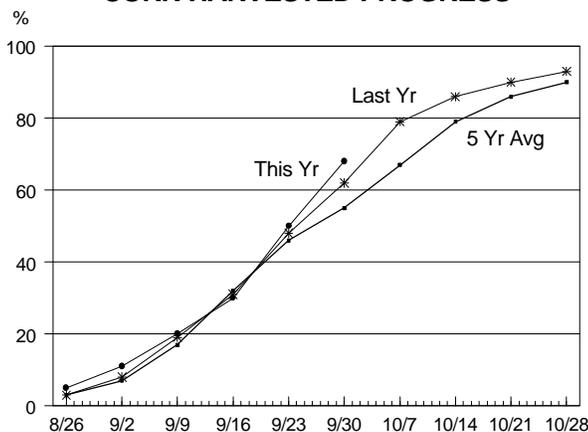
**SOYBEANS:** Harvest was underway with 16 percent complete, compared with 14 percent last year and the five-year average of 15 percent. As of Sunday, September 30, 82 percent of the crop was mature and safe from frost damage, but some double crop beans may be vulnerable to frost damage. About 75 percent were shedding leaves, ahead of 66 percent reported a year ago and the five-year average of 58 percent. On Friday, September 28, soybean condition was

rated 2 percent very poor, 5 percent poor, 17 percent fair, 41 percent good and 35 percent excellent. Early yields were mostly good to excellent.

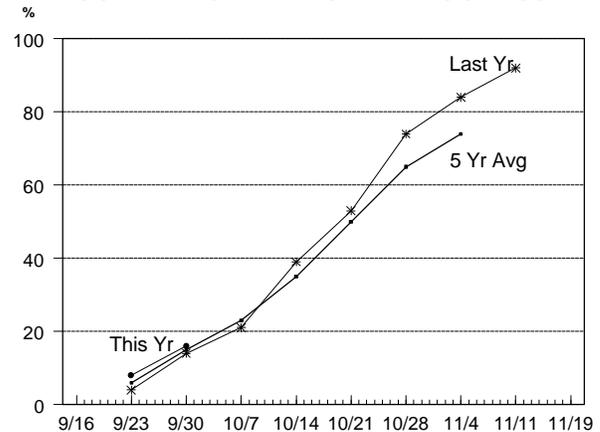
**TOBACCO:** A few fields remain to be cut, but 97 percent was harvested by Sunday, September 30, compared to 95 percent reported last year and the average of 89 percent. Dark tobacco harvest was 98 percent complete compared with 95 percent a year ago and the average of 91 percent. Of the tobacco already cut, 4 percent had been stripped, 19 percent was ready for stripping and 77 percent was not yet ready for stripping. Condition of housed tobacco on Friday, September 28 was reported as 1 percent very poor, 4 percent poor, 16 percent fair, 60 percent good, and 19 percent excellent. Most areas reported minor problems with houseburn.

**OTHER CROPS:** Fall grain seeding got underway this week. Wheat seeding reached 10 percent complete as of Sunday, September 30, compared with 9 percent a year ago and the five-year average of 6 percent. Moisture available for germinating small grains varied considerably, with many areas hoping for a good soaking rain. Farmers were putting up the last of their **hay** crops. **Pastures** were rated 7 percent very poor, 14 percent poor, 31 percent fair, 41 percent good, and 7 percent excellent.

**CORN HARVESTED PROGRESS**



**SOYBEANS HARVESTED PROGRESS**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING SEPTEMBER 30, 2001  
WITH COMPARISONS

**SOIL MOISTURE**  
WEEK ENDING SEPTEMBER 28, 2001  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Shedding Leaves	75	66	58	55	60
Harvested	16	14	15	8	6
Corn					
Mature	98	97	90	95	64
Harvested	68	62	55	50	13
Burley Tobacco Cut	97	95	89	95	NA
Dark Tobacco Cut	98	95	91	92	NA

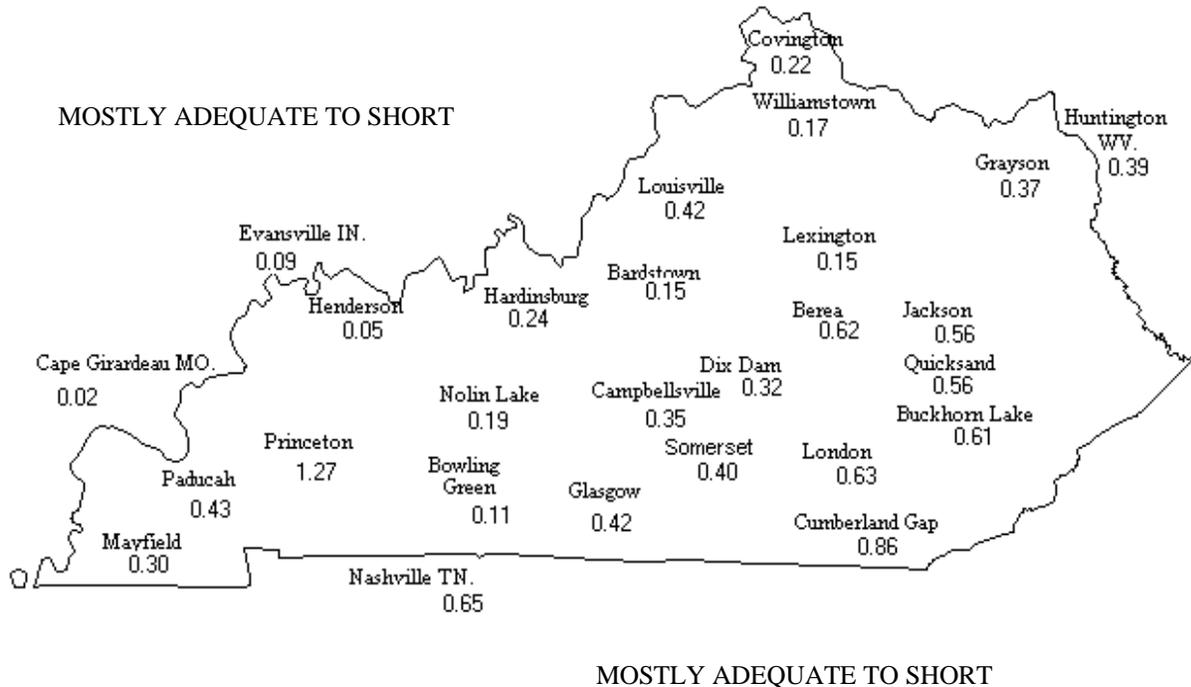
(NA) Data Not Available.

	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	9	9
Short	31	30
Adequate	58	59
Surplus	2	2
<b>SUBSOIL</b>		
Very Short	11	14
Short	37	38
Adequate	51	47
Surplus	1	1

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING SEPTEMBER 28, 2001					WEEK ENDING SEPTEMBER 21, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Soybeans	2	5	17	41	35	1	5	18	41	35
Pasture	7	14	31	41	7	6	13	29	45	7
Housed Tobacco	1	4	16	60	19	1	2	19	60	18

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 30, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 28, 2001**



**KENTUCKY WEATHER SUMMARY, SEPTEMBER 24 - 30, 2001:**  
**MUCH BELOW NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:**

Dry and cold conditions for most of last week across the State. High temperatures only reached the low 70s late in the week with many parts of Kentucky experiencing highs in the 60s for most of the week. Lows approached record low conditions with some areas reaching as low as 34 degrees. There were some needed rain showers at the beginning of the week but for the most part conditions remained dry allowing field activities to continue without interruptions.

Temperatures for the period averaged 56 degrees across the State which was 9 degrees BELOW NORMAL. High temperatures averaged from 70 in the West to 66 in the East. Departure from normal high temperatures ranged from 8 degrees BELOW NORMAL in the West to 8 degrees BELOW NORMAL in the East. Low temperatures averaged from 43 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 11 degrees BELOW NORMAL in the West to 9 degrees BELOW NORMAL in the East. Since April 1st Corn Growing Degree Days accumulations range from 3400 in Northeast Kentucky to 3900 in Southeast Kentucky.

Rainfall for the period totaled 0.36 inches statewide which was 0.45 inches BELOW NORMAL. Precipitation totals by climate division, West 0.36 inches, Central 0.25 inches, Bluegrass 0.27 inches and East 0.55 inches, which was 0.46, 0.59, 0.51 and 0.23 inches respectively BELOW NORMAL. By Kentucky station, precipitation totals ranged from a low of 0.05 inches at Henderson to a high of 1.27 inches at Princeton.

Tom Priddy

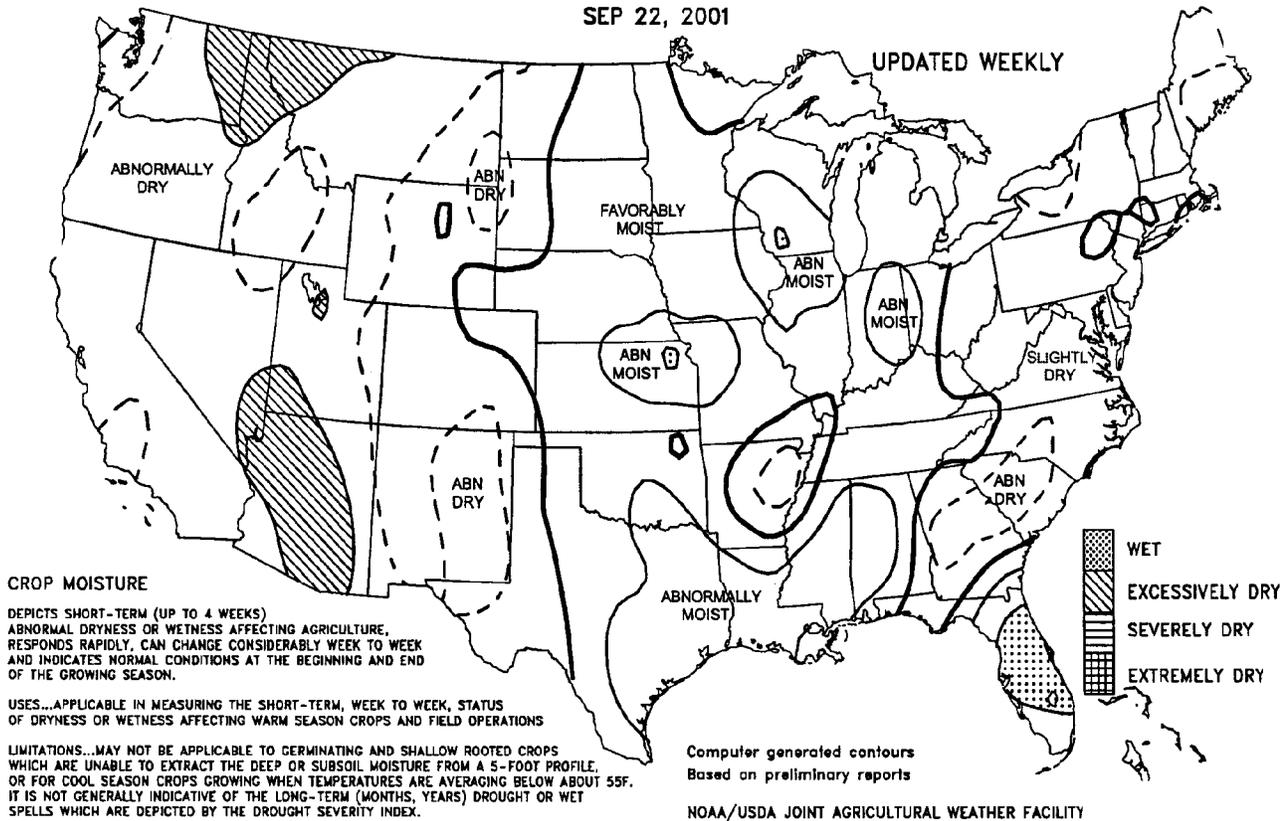
**KENTUCKY TEMPERATURES AND RAINFALL**  
**FOR WEEK ENDING SUNDAY, SEPTEMBER 30, 7:00 P.M.**

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	0.15	22.38	2.40	-1.76	-0.59	78	35	56.7	-8	95	48		
Berea	0.62	20.92	1.08	-4.51	-2.65	81	39	56.0	-7	93	49		
Bowling Green	0.11	22.71	1.96	-2.69	-1.51	74	34	55.8	-9	--	--		
Bristol	0.61	26.20	1.81	+4.71	-1.23	70	36	53.4	-10	--	--		
Buckhorn Lake	0.61	26.03	1.48	+1.87	-1.94	72	38	54.6	-9	--	--		
Cape Girardeau	0.02	23.43	1.50	-0.26	-1.83	74	34	54.8	-12	--	--		
Campbellsville	0.35	22.12	2.23	-6.55	-2.10	75	36	56.1	-8	93	47		
Covington	0.22	27.46	2.52	+5.12	-0.17	70	40	52.9	-10	--	--		
Cumberland Gap	0.86	20.69	3.76	-5.14	+0.89	80	37	57.3	-6	95	45		
Dix Dam	0.32	21.57	2.03	-3.33	-1.15	74	38	55.8	-7	--	--		
Evansville	0.09	22.53	2.40	+0.15	-0.37	77	37	56.3	-10	--	--		
Glasgow	0.42	22.62	2.92	-4.82	-0.71	76	35	56.9	-7	96	46		
Grayson	0.37	23.11	1.08	+0.02	-1.49	71	42	55.1	-8	95	49		
Hardinsburg	0.24	20.87	2.69	-4.30	-0.72	75	37	56.6	-8	95	51		
Henderson	0.05	18.96	2.86	-4.36	-0.37	78	36	58.6	-8	95	50		
Huntington	0.39	22.25	0.87	-0.98	-1.74	71	41	55.4	-8	--	--		
Jackson	0.56	20.20	0.91	-4.98	-2.38	72	41	54.2	-9	--	--		
Lexington	0.15	20.81	2.29	-3.33	-0.70	71	38	54.8	-8	--	--		
London	0.63	22.86	1.25	-0.49	-2.00	71	34	53.1	-10	--	--		
Louisville	0.42	19.01	2.97	-4.51	+0.02	73	39	55.8	-9	--	--		
Mayfield	0.30	18.52	1.95	-7.20	-1.76	73	38	55.6	-11	95	49		
Nashville	0.65	21.28	1.73	-2.38	-1.45	77	38	58.6	-6	--	--		
Nolin Lake	0.19	25.05	2.90	-1.90	-1.04	74	35	55.9	-8	--	--		
Paducah	0.43	23.59	3.90	-1.63	+0.46	77	37	57.1	-9	92	50		
Princeton	1.27	22.36	3.16	-2.88	+0.05	84	35	58.4	-8	99	61		
Quicksand	0.56	27.60	0.96	+2.42	-2.33	72	38	54.2	-9	97	50		
Somerset	0.40	22.04	1.57	-4.43	-2.16	73	37	54.1	-9	90	46		
Spindletop	0.12	21.87	2.91	-2.27	-0.08	69	39	53.5	-10	89	50		
Williamstown	0.17	24.25	0.99	+0.47	-1.99	78	38	55.6	-8	93	48		

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.gwx.ca.uky.edu/>

**Crop Moisture**  
**SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE**  
**SEP 22, 2001**

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 DEPICTED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours  
 Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

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