



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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AGRICULTURAL NEWS: Below normal temperatures prevailed throughout the State last week, averaging 54 degrees for the week which was three degrees below normal. Precipitation averaged 0.24 inches for the week which was 0.42 inches below normal. **Topsoil moisture** as of Friday, October 19 was rated 4 percent very short, 18 percent short, 64 percent adequate, and 14 percent surplus. **Subsoil moisture** was rated 12 percent very short, 28 percent short, 54 percent adequate, and 6 percent surplus. **Days suitable for fieldwork** averaged 4.2 out of a possible 6 days. Primary farming activities continued to include harvesting soybeans, sowing winter wheat, and stripping tobacco.

TOBACCO: As of Sunday, October 21, **burley tobacco** was 20 percent stripped. This compared to 16 percent last year and a five-year average of 15 percent. Tobacco stripping was well underway with good quality reported by most producers. Condition of the stripped tobacco was reported as 3 percent poor, 26 percent fair, 55 percent good, and 16 percent in excellent condition.

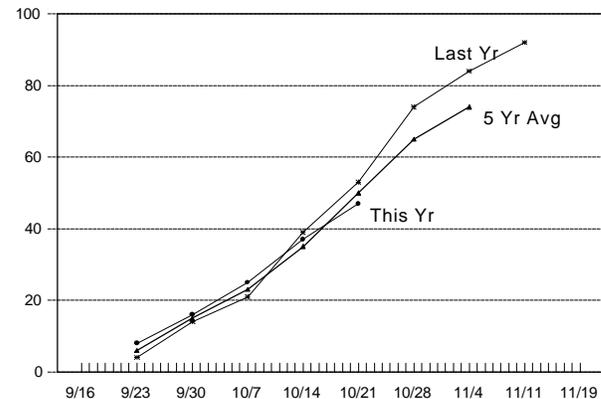
CORN: Ninety-one percent of the corn crop was harvested as of Sunday, October 21. This compared to 90 percent the previous year, and 86 percent for the five-year average. Reports of excellent yields continued; however, some unharvested corn was beginning to fall down.

SOYBEANS: Harvest of full-season soybeans is in full swing with double crop harvest just getting underway. A few reports of damage due to frost in the late beans

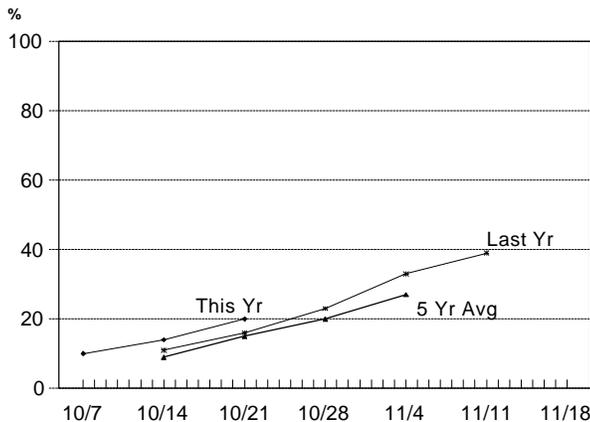
were received. Forty-seven percent of the State's soybeans were harvested. This compared to 53 percent last season, and the five-year average of 50 percent.

OTHER CROPS: **Winter wheat** seeding was 33 percent complete as of Sunday, October 21. Early week rain temporarily halted seeding. This compared to 63 percent for 2000 and the five-year average of 57 percent. The crop was rated at 1 percent poor, 13 percent fair, 67 percent good, and 19 percent excellent. **Pasture** condition was rated as 6 percent very poor, 14 percent poor, 33 percent fair, 39 percent good, and 8 percent excellent. Kentucky farmers continued to report excellent conditions for the State's livestock. Ninety-three percent of farmers expect local hay supplies to be adequate for the winter.

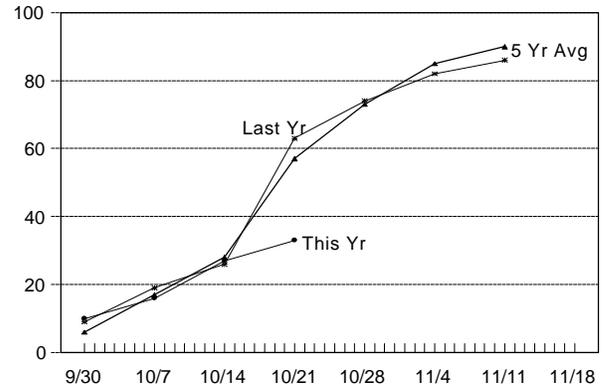
% **SOYBEANS HARVESTED PROGRESS**



BURLEY TOBACCO PERCENT STRIPPED



% **WHEAT PERCENT SEEDING COMPLETE**



KENTUCKY CROP PROGRESS
WEEK ENDING OCTOBER 21, 2001
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans Harvested	47	53	50	37	57
Corn Harvested	91	90	86	89	37
Burley Tobacco Stripped	20	16	15	14	NA
Wheat Seeded	33	63	57	27	80

(NA) Data Not Available.

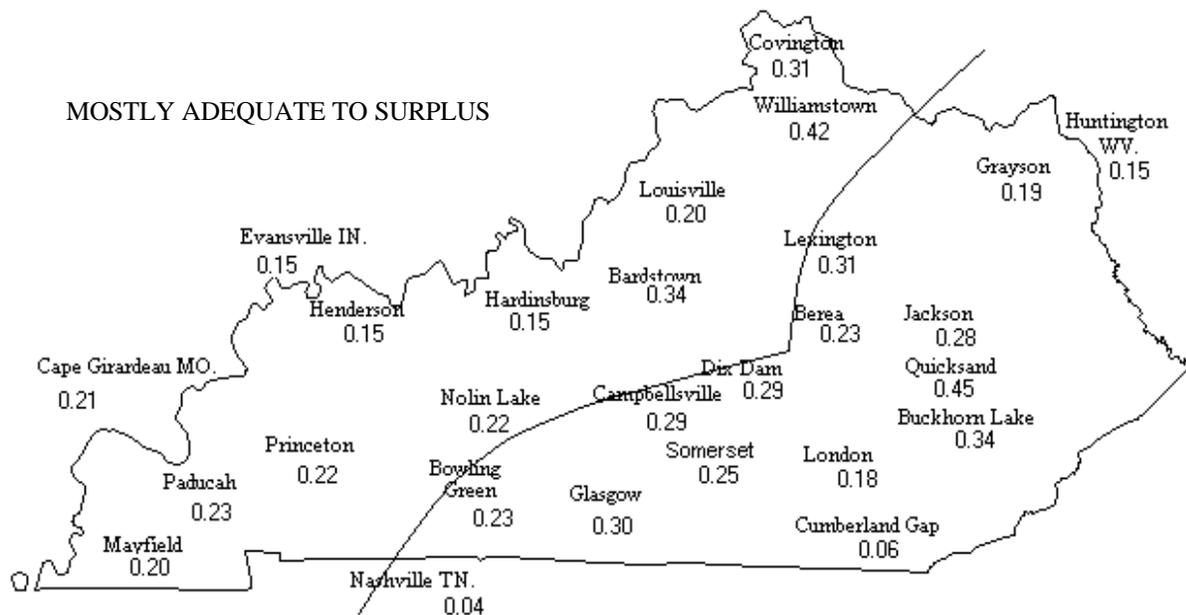
SOIL MOISTURE
WEEK ENDING OCTOBER 19, 2001
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	4	10
Short	18	26
Adequate	64	49
Surplus	14	15
SUBSOIL		
Very Short	12	14
Short	28	37
Adequate	54	45
Surplus	6	4

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING OCTOBER 19, 2001					WEEK ENDING OCTOBER 12, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Fall Wheat Seeded	0	1	13	67	19	-	-	-	-	-
Pasture	6	14	33	39	8	10	17	31	35	7
Quality of Stripped Tobacco	0	3	26	55	16	-	-	-	-	-

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, OCTOBER 21, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, OCTOBER 19, 2001



KENTUCKY WEATHER SUMMARY, OCTOBER 15 - 21, 2001:

BELOW NORMAL TEMPERATURES AND RAINFALL:

Cool temperatures were the story last week with lows falling as low as the low 30s across most of Kentucky causing frost conditions in many areas. Highs only reached the upper 40s to low 50s for a couple of days during the beginning of the week then gradually climbed to the 70s for the weekend. Many areas of the State received rain during the beginning of the workweek and then conditions dried out allowing field activities to continue uninterrupted for the rest of the week.

Temperatures for the period averaged 54 degrees across the State which was 3 degrees BELOW NORMAL. High temperatures averaged from 68 in the West to 65 in the East. Departure from normal high temperatures ranged from 3 degrees BELOW NORMAL in the West to 2 degrees BELOW NORMAL in the East. Low temperatures averaged from 43 degrees in the West to 40 degrees in the East. Departure from normal low temperature ranged from 5 degrees BELOW NORMAL in the West to 5 degrees BELOW NORMAL in the East. Since April 1st Corn Growing Degree Accumulations range from 3700 in Northeast Kentucky to 4100 in Southwest Kentucky.

Rainfall for the period totaled 0.24 inches statewide which was -0.42 inches from normal. Precipitation totals by climate division, West 0.19 inches, Central 0.24 inches, Bluegrass 0.30 inches and East 0.24 inches, which was 0.50, 0.42, 0.32 and 0.44 inches respectively BELOW NORMAL. By Kentucky station, precipitation totals ranged from a low of 0.06 inches at Cumberland Gap to a high of 0.45 inches at Quicksand.

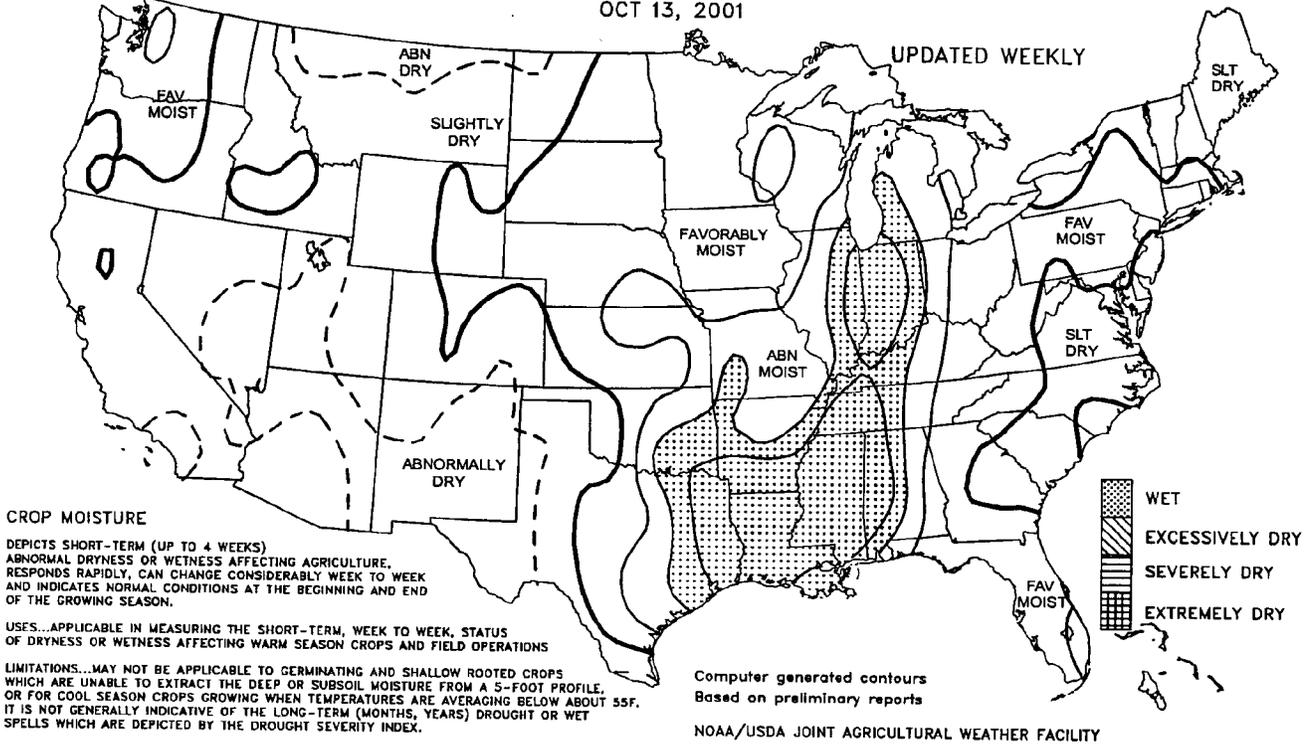
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, OCTOBER 21, 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	0.34	26.23	4.00	+0.35	+1.51	75	31	53.3	-4	96	48
Berea	0.23	22.78	2.48	-4.55	-0.35	75	32	53.9	-2	93	48
Bowling Green	0.23	26.40	3.80	-1.05	+0.89	77	30	52.5	-5	--	--
Bristol	0.00	26.75	1.16	+3.51	-1.36	77	27	50.4	-6	--	--
Buckhorn Lake	0.34	27.31	1.89	+1.24	-0.87	77	28	53.3	-3	--	--
Cape Girardeau	0.21	26.85	3.44	+1.13	+0.57	78	30	55.8	-4	--	--
Campbellsville	0.29	25.45	3.68	-5.35	+0.46	77	30	53.2	-4	93	46
Covington	0.31	30.82	3.58	+6.54	+0.97	74	31	51.2	-5	--	--
Cumberland Gap	0.06	22.41	2.58	-5.66	-0.37	77	29	51.3	-5	95	44
Dix Dam	0.29	24.38	3.13	-2.46	+0.40	75	32	53.4	-2	--	--
Evansville	0.15	26.13	3.69	+1.81	+1.05	77	32	54.2	-5	--	--
Glasgow	0.30	26.02	3.82	-3.46	+0.87	79	29	55.0	-2	96	45
Grayson	0.19	24.68	1.94	-0.44	-0.73	77	30	53.5	-2	95	48
Hardinsburg	0.15	25.97	5.34	-1.27	+2.42	77	33	54.7	-2	95	50
Henderson	0.15	25.68	6.77	+0.48	+4.08	77	33	56.1	-3	95	50
Huntington	0.15	23.67	1.81	-1.57	-0.85	78	29	53.6	-2	--	--
Jackson	0.28	21.16	1.52	-5.99	-1.27	78	34	53.9	-2	--	--
Lexington	0.31	23.70	3.04	-2.18	+0.55	74	33	53.1	-3	--	--
London	0.18	24.84	2.61	-0.38	-0.07	76	29	50.0	-6	--	--
Louisville	0.20	23.98	5.39	-1.38	+2.82	76	33	54.4	-3	--	--
Mayfield	0.20	29.90	5.53	+1.73	+2.16	77	31	53.9	-5	95	48
Nashville	0.04	25.18	4.55	-0.25	+1.98	78	35	54.8	-2	--	--
Nolin Lake	0.22	29.08	4.22	-0.02	+1.09	77	31	53.0	-4	--	--
Paducah	0.23	29.25	6.09	+2.00	+3.20	79	33	56.5	-3	93	50
Princeton	0.22	29.32	8.23	+2.01	+5.39	78	30	57.1	-2	99	60
Quicksand	0.45	28.14	1.76	+0.99	-1.03	78	28	54.6	-1	97	49
Somerset	0.25	24.95	3.31	-3.74	+0.16	76	28	51.1	-5	90	46
Spindletop	0.26	24.56	2.81	-1.32	+0.32	74	31	53.8	-2	88	49
Williamstown	0.42	27.66	3.58	+1.85	+0.81	75	34	54.0	-2	93	47

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
 OCT 13, 2001



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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