



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

Kentucky Agricultural Statistics Service
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JOC 31-02

AGRICULTURAL NEWS: Below normal temperatures prevailed again throughout the State last week, averaging 52 degrees for the week which was five degrees below normal. Days suitable for fieldwork averaged 3.5 out of seven. Precipitation averaged 0.63 inches for the week which was 0.04 inches below normal. **Topsoil moisture** as of Friday, October 18 was rated 1 percent very short, 5 percent short, 77 percent adequate, and 17 percent surplus. **Subsoil moisture** was rated 4 percent very short, 13 percent short, 72 percent adequate, and 11 percent surplus. Stripping tobacco was the primary farming activity last week.

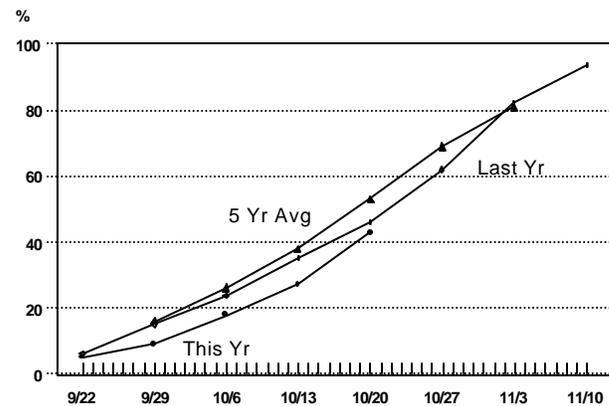
TOBACCO: As of Sunday, October 20, **burley tobacco** was 22 percent stripped. This compared with 19 percent last year and a five-year average of 16 percent. Tobacco stripping was well underway. Producers reported lighter than expected weights as stripping progresses. Condition of the stripped tobacco was reported as 1 percent very poor, 7 percent poor, 33 percent fair, 46 percent good, and 13 percent excellent.

CORN: Harvest was slowed due to wet field conditions and reached 89 percent as of Sunday, October 20. This compared to 91 percent the previous year, and 88 percent for the five-year average.

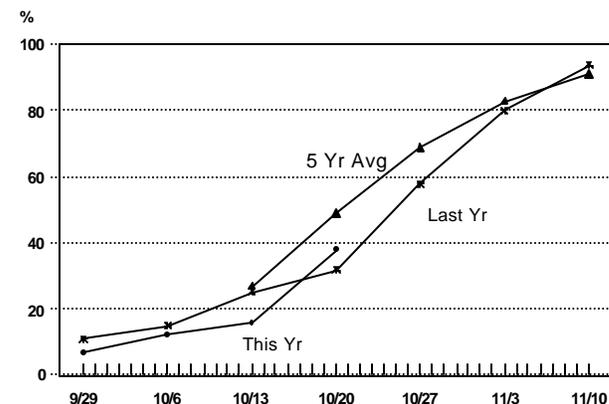
SOYBEANS: Harvest lagged due to wet conditions last week with 43 percent of the State's soybeans already harvested. This compared to 46 percent last season, and the five-year average of 41 percent.

OTHER CROPS: Winter wheat seeding was 38 percent complete as of Sunday, October 20. This compared to 32 percent for 2001 and the five-year average of 49 percent. The crop was rated at 3 percent poor, 31 percent fair, 57 percent good, and 9 percent excellent. **Pasture** condition was rated as 2 percent very poor, 6 percent poor, 30 percent fair, 51 percent good, and 11 percent excellent. About 72 percent of farmers expect local hay supplies to be adequate for the winter. Feeding of hay during the summer's drought caused some farmers to expect a shortage.

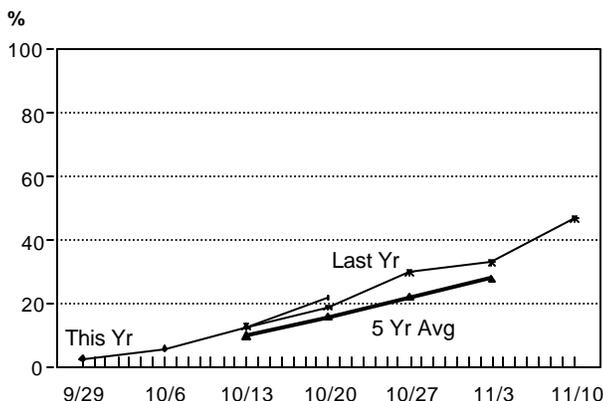
SOYBEANS HARVESTED PROGRESS



WHEAT PERCENT SEEDING COMPLETE



BURLEY TOBACCO PERCENT STRIPPED



KENTUCKY CROP PROGRESS
WEEK ENDING OCTOBER 20, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans Harvested	43	46	53	27	53
Corn Harvested	89	91	88	87	37
Burley Tobacco Stripped	22	19	16	13	NA
Wheat Seeded	38	32	49	16	74

(NA) Data Not Available.

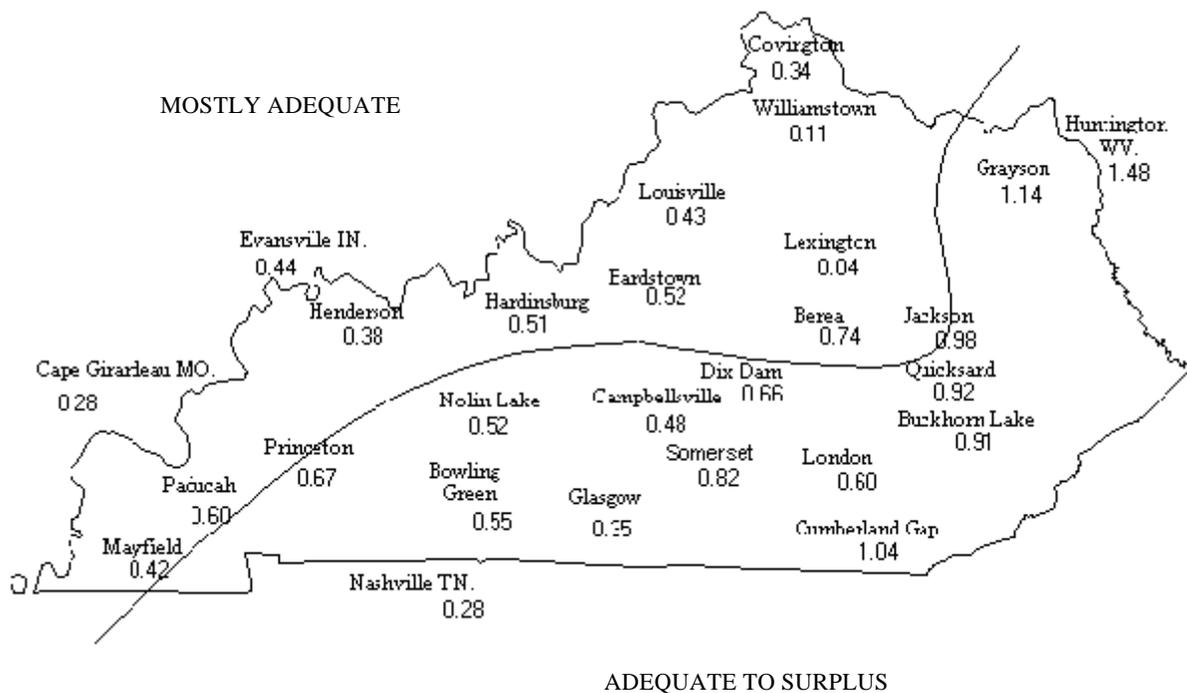
SOIL MOISTURE
WEEK ENDING OCTOBER 18, 2002
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	1	1
Short	5	9
Adequate	77	64
Surplus	17	26
SUBSOIL		
Very Short	4	7
Short	13	19
Adequate	72	59
Surplus	11	15

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING OCTOBER 18, 2002					WEEK ENDING OCTOBER 11, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Fall Wheat Seeded	0	3	31	57	9	-	-	-	-	-
Pasture	2	6	30	51	11	3	9	35	41	12
Quality of Stripped Tobacco	1	7	33	46	13	-	-	-	-	-

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, OCTOBER 20, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, OCTOBER 18, 2002



KENTUCKY WEATHER SUMMARY, OCTOBER 14 - 20, 2002:

BELOW NORMAL TEMPERATURES AND NEAR NORMAL RAINFALL:

Despite the effects of two low pressure systems, temperatures throughout the week remained steady, and below normal for the majority of the State. The first of the two low pressure system passages provided isolated rainfall to eastern and central Kentucky on Tuesday and Wednesday, while the second system provided widespread, yet light rainfall for the State on Saturday and into early Sunday morning.

Temperatures for the period averaged 52 degrees across the State which was 5 degrees below normal. High temperatures averaged from 62 in the West to 59 in the East. Departure from normal high temperatures ranged from 10 degrees below normal in the West to 9 degrees below normal in the East. Low temperatures averaged from 43 degrees in the West to 45 degrees in the East. Departure from normal low temperature ranged from 5 degrees below normal in the West to near normal in the East. Maximum and minimum temperatures were 72 and 31 degrees at Bowling Green and Berea, respectively.

Rainfall for the period totaled 0.63 inches statewide which was 0.04 inches below normal. Rainfall totals by climate division, West 0.47 inches, Central 0.48 inches, Bluegrass 0.57 inches and East 0.99 inches, which was -0.22, -0.18, -0.05 and +0.31 inches respectively from normal. By station, rainfall totals ranged from a low of 0.11 inches at Williamstown to a high of 1.48 inches at Huntington.

Tom Priddy

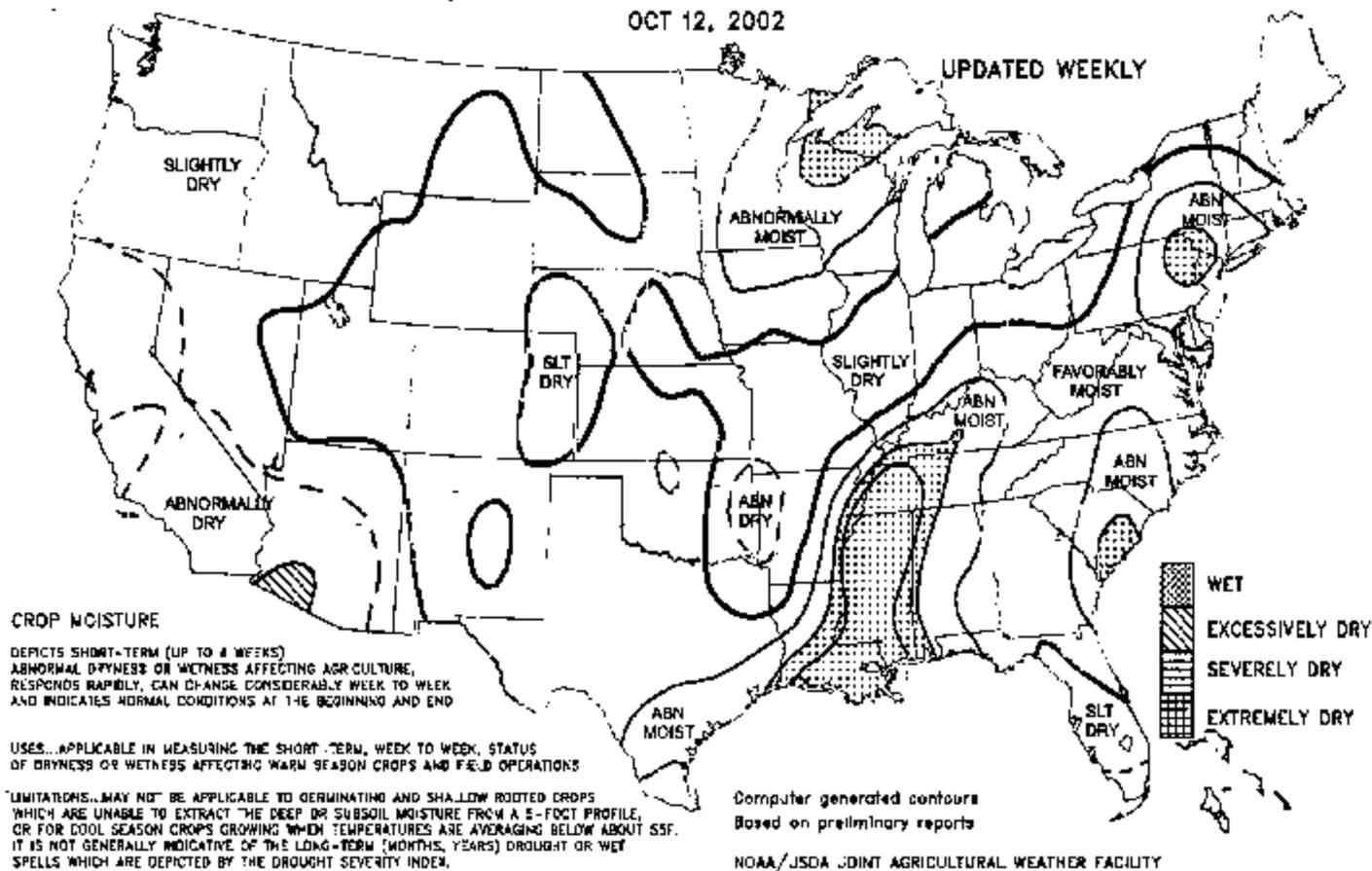
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, OCTOBER 20, 7:00 P.M.

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	0.52	34.87	8.60	+9.07	+6.09	64	37	51.1	-6	95	48
Berea	0.74	37.97	7.53	+10.73	+4.66	65	31	52.9	-3	94	50
Bowling Green	0.55	36.25	8.95	+8.90	+6.01	72	40	57.5	-0	--	--
Bristol	1.42	18.23	3.48	-4.93	+0.94	70	37	51.4	-5	--	--
Buckhorn Lake	0.91	25.99	4.84	+0.01	+2.04	63	35	51.4	-5	--	--
Cape Girardeau	0.28	32.01	1.80	+6.38	-1.09	72	30	50.9	-9	--	--
Campbellsville	0.48	35.81	8.40	+5.11	+5.13	66	36	52.9	-5	95	50
Covington	0.34	26.63	4.98	+2.44	+2.37	62	37	47.7	-9	--	--
Cumberland Gap	1.04	22.09	5.43	-5.87	+2.48	67	37	52.3	-4	95	50
Dix Dam	0.66	32.86	7.79	+6.11	+5.04	63	34	51.5	-5	--	--
Evansville	0.44	27.72	3.96	+3.49	+1.32	69	34	51.4	-8	--	--
Glasgow	0.35	36.57	8.77	+7.19	+5.79	68	39	53.9	-4	95	47
Grayson	1.14	25.63	5.95	+0.61	+3.29	63	38	51.6	-5	95	51
Hardinsburg	0.51	32.49	9.31	+5.35	+6.37	66	38	52.9	-5	95	51
Henderson	0.38	34.72	5.92	+9.61	+3.20	64	35	51.3	-8	95	50
Huntington	1.48	25.97	7.09	+0.83	+4.43	63	37	51.7	-5	--	--
Jackson	0.98	28.39	5.45	+1.33	+2.63	63	39	51.2	-5	--	--
Lexington	0.84	26.97	7.47	+1.17	+4.96	62	37	50.3	-6	--	--
London	0.60	24.91	4.61	-0.22	+1.90	63	37	51.6	-5	--	--
Louisville	0.43	30.72	9.53	+5.45	+6.94	66	38	50.8	-7	--	--
Mayfield	0.42	22.38	6.06	-5.67	+2.67	65	37	52.0	-8	95	51
Nashville	0.28	27.59	7.78	+2.24	+5.18	69	39	55.2	-2	--	--
Nolin Lake	0.52	35.52	10.14	+6.52	+6.97	70	40	55.7	-2	--	--
Paducah	0.60	29.64	5.48	+2.48	+2.56	69	35	53.1	-7	95	46
Princeton	0.67	32.03	8.60	+4.82	+5.74	68	34	54.1	-6	99	62
Quicksand	0.92	29.83	7.18	+2.77	+4.36	64	33	51.3	-5	95	51
Somerset	0.82	31.86	7.04	+3.28	+3.86	66	39	52.9	-3	94	52
Spindletop	0.75	22.14	6.48	-3.66	+3.97	63	37	49.5	-7	87	48
Williamstown	0.11	22.63	3.31	-3.08	+0.53	64	35	49.8	-6	95	51

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: tpriddy@ca.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
OCT 12, 2002

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

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/JSDA JOINT AGRICULTURAL WEATHER FACILITY

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