

AGRICULTURAL NEWS: Dry weather continued across Kentucky with more seasonal temperatures throughout the week. Much needed rain moved across the State on Sunday, but more is needed to relieve stressed crops. This was the first rain that some areas of the State had seen in about a month. **Topsoil moisture** as of Friday, August 6 was rated 66 percent very short, 31 percent short and 3 percent adequate. **Subsoil moisture** was rated 62 percent very short, 34 percent short and 4 percent adequate. Days suitable for fieldwork averaged 6.0 out of a possible six days.

CORN: Corn continued to be under stress due to lack of moisture, with conditions rated 6 percent very poor, 17 percent poor, 43 percent fair, 30 percent good and 4 percent excellent. As of Sunday, August 8 about 68 percent of the crop had reached the dough stage or beyond, well ahead of 39 percent last year and the 5 year average of 46 percent. Some of the corn acreage was drying up due to the hot, dry weather. Farmers reported cutting corn for silage.

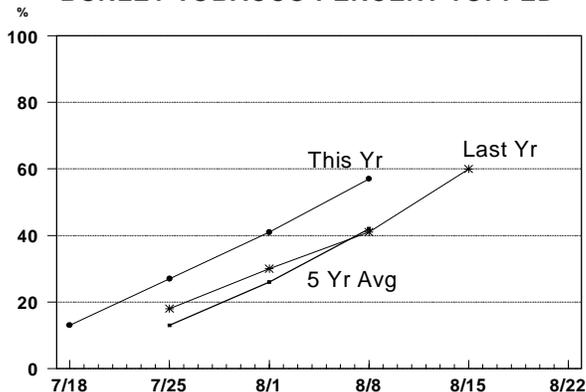
SOYBEANS: The soybean crop was rated 8 percent very poor, 24 percent poor, 39 percent fair, 26 percent good and 3 percent excellent. Soybeans were 77 percent blooming, ahead of last year's 51 percent and 57 percent on average. Some early planted soybeans have begun dropping blooms due to dry soil conditions. Late planted

soybeans are under greater stress with some very short in height. Some have yet to emerge through the wheat stubble. As of August 8, 55 percent of the State's acreage was reported as setting pods, compared to 30 percent a year ago and 29 percent on average. Farmers report that soybeans need significant rainfall to get a good pod fill.

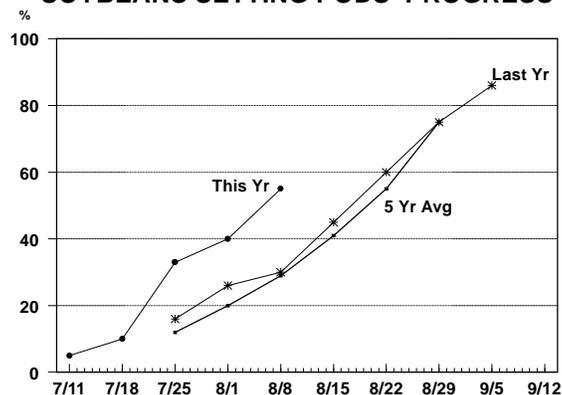
TOBACCO: Producers were busy spraying, topping, and in some areas cutting tobacco last week. The percent of burley topped had reached 57 percent, compared to 41 a year ago and 42 percent on average. Dark tobacco topped was 89 percent complete on August 8. Black shank continued to be a serious problem statewide. Condition of the crop showed some deterioration from the previous week and as of August 6 was rated 13 percent very poor, 23 percent poor, 34 percent fair, 25 percent good and 5 percent excellent.

OTHER CROPS: **Pasture** conditions continued to decline and additional rain was still needed to improve the pastures and hay crops. Pastures as of August 6 were rated 26 percent very poor, 34 percent poor, 29 percent fair and 11 percent good. Farmers continued to feed livestock hay because of the poor pasture conditions. The **hay** crop was rated 27 percent very poor, 32 percent poor, 30 percent fair, 10 percent good and 1 percent excellent. A few farmers reported that they would not be able to harvest a fall hay crop due to the poor condition of the crop.

BURLEY TOBACCO PERCENT TOPPED



SOYBEANS SETTING PODS PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 8, 1999
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming or beyond	77	51	57	69	85
Setting Pods or beyond	55	30	29	40	46
Corn					
Silking or beyond	98	95	88	97	91
Milk Stage	86	71	71	81	NA
Dough Stage	68	39	46	58	24
Burley Tobacco					
Blooming	78	66	53	67	NA
Topped	57	41	42	41	NA
Dark Tobacco					
Topped	89	67	70	84	NA

SOIL MOISTURE
WEEK ENDING AUGUST 6, 1999
WITH COMPARISONS

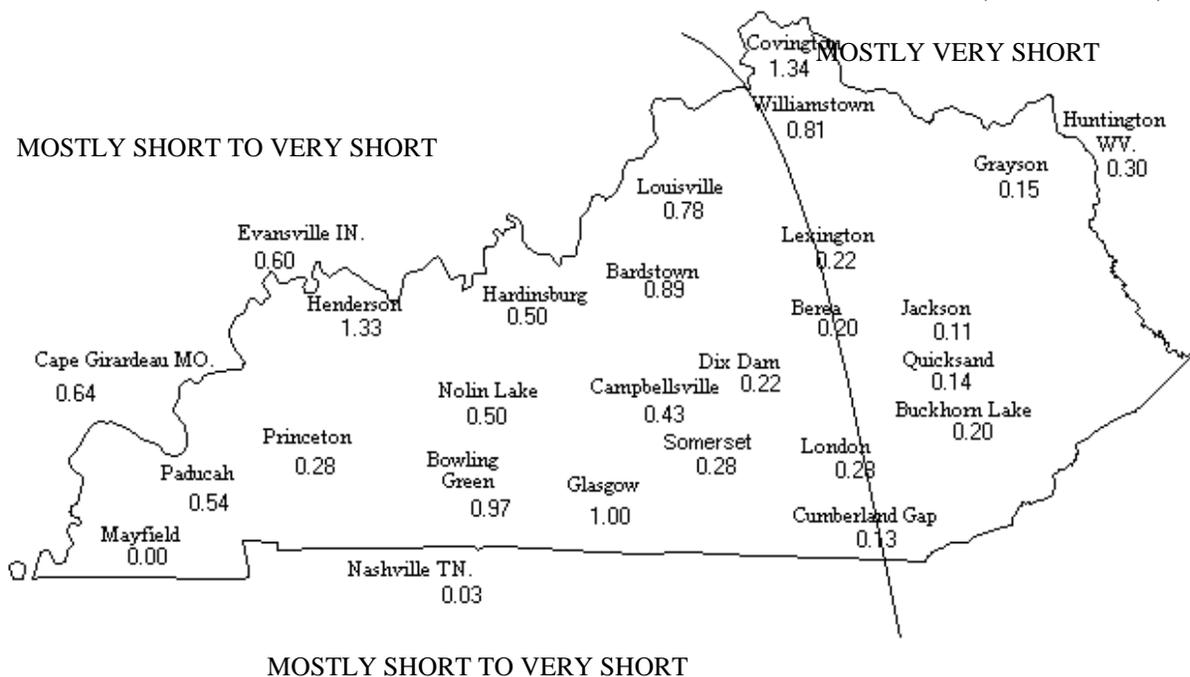
	This Week	Previous Week
TOPSOIL		
Very Short	66	52
Short	31	37
Adequate	3	11
Surplus	0	0
SUBSOIL		
Very Short	62	54
Short	34	32
Adequate	4	14
Surplus	0	0

(NA) Data Not Available

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 6, 1999					WEEK ENDING JULY 30, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	6	17	43	30	4	5	14	28	48	5
Soybeans	8	24	39	26	3	5	15	34	42	4
Pasture	26	34	29	11	0	22	31	32	14	1
Hay Crops	27	32	30	10	1	19	29	32	17	3
Tobacco	13	23	34	25	5	10	18	37	29	6

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 8, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 6, 1999



KENTUCKY WEATHER SUMMARY, AUGUST 2 - 8, 1999:

Dry with seasonal temperatures during the workweek...rain on Sunday:

The extremely hot temperatures of the previous week came to an end last week as cooler, more seasonal temperatures dominated Kentucky and the Midwest the entire workweek. It was a very dry workweek..until Sunday when rainfall moved through the State providing most locations with light to moderate rainfall amounts. Saturday's temperatures were very hot in the mid 90's.

Temperatures for this past week averaged 76 degrees across the state which was 1 degree ABOVE NORMAL and 8 degrees cooler than the previous week. High temperatures averaged from 89 in the West to 88 in the East. Departure from normal high temperatures were NEAR NORMAL in the West to 2 degrees ABOVE NORMAL in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 1 degree BELOW NORMAL in the West to 1 degree BELOW NORMAL in the East. Growing degree days for corn since April 1, ranged from 2381 at Covington to 2796 at Princeton. Statewide rainfall for the week totaled 0.51 inches which was 0.33 inches BELOW NORMAL. Rainfall totals by climate division, West 0.56 inches, Central 0.77 inches, Bluegrass 0.49 inches and East 0.20 inches, which was -0.22, +0.07, -0.37 and -0.67 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Mayfield to a high of 1.34 inches at Covington. Other areas to receive significant rainfall; Henderson (1.33 in.), Glasgow (1.00), Bowling Green (0.97), Bardstown (0.89), Williamstown (0.81).

Tom Priddy

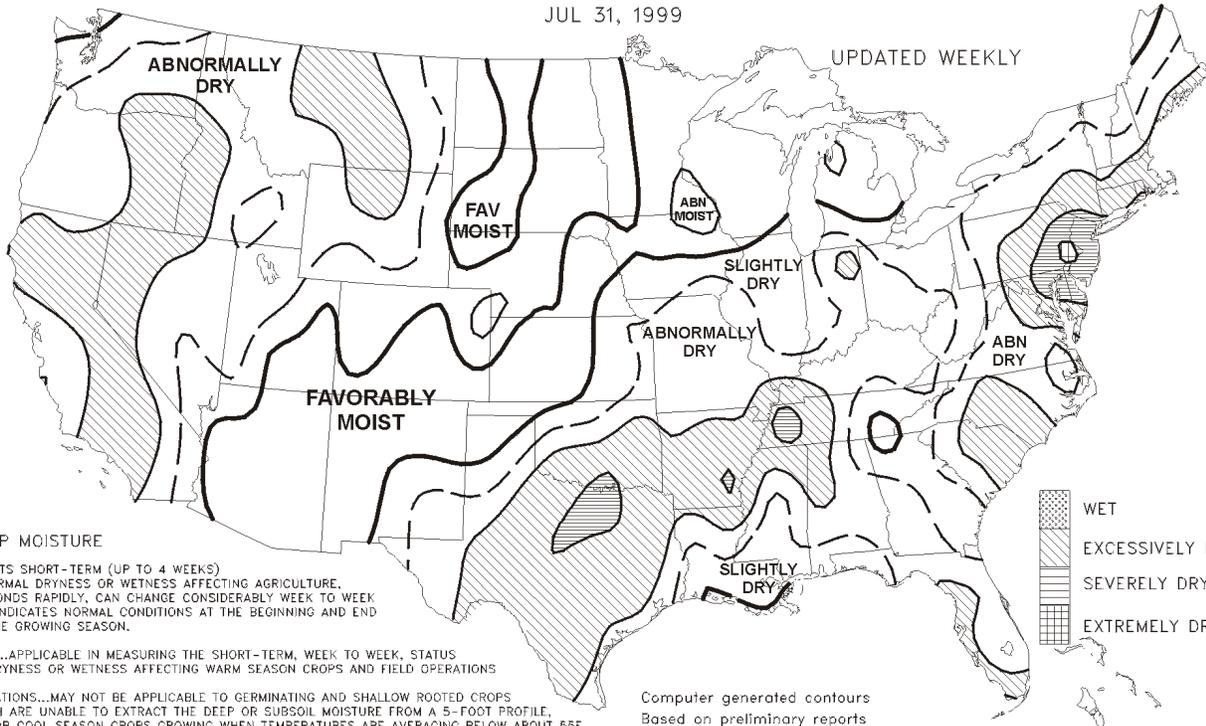
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 8, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr.1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.89	13.26	1.36	-4.76	-2.88	95	58	75.6	+0	168	2539	+186
Berea	0.20	13.01	2.25	-5.46	-1.63	96	57	75.4	+1	164	2521	+98
Bowling Green	0.97	11.26	1.30	-7.82	-2.66	98	61	79.3	+4	179	2730	+277
Bristol	0.42	15.45	5.25	-0.43	+1.64	90	59	73.9	-1	161	2396	+165
Buckhorn Lake	0.20	11.20	1.27	-6.59	-2.79	92	57	74.7	+0	164	2458	+334
Cape Girardeau	0.64	13.25	1.00	-4.28	-2.18	94	58	76.4	-1	172	2621	+37
Campbellsville	0.43	13.64	0.87	-7.00	-3.77	95	59	78.1	+3	172	2612	+219
Covington	1.34	12.14	3.74	-4.83	+0.14	93	56	74.2	-0	163	2381	+179
Cumberland Gap	0.13	12.70	2.38	-6.84	-2.14	91	54	75.1	+0	167	2516	+315
Dix Dam	0.22	12.22	1.54	-6.38	-2.67	94	58	76.1	+1	171	2476	+115
Evansville	0.60	17.06	1.72	-0.04	-1.69	91	59	75.0	-2	169	2547	+93
Glasgow	1.00	12.22	1.04	-8.34	-3.43	98	60	78.4	+3	173	2762	+399
Grayson	0.15	13.13	1.33	-4.43	-2.77	94	59	76.6	+2	173	2519	+448
Hardinsburg	0.50	16.35	1.41	-2.37	-2.64	95	61	78.1	+3	175	2541	+88
Henderson	1.33	17.17	1.90	-0.34	-1.56	93	59	75.9	-1	172	2657	+173
Huntington	0.30	8.37	2.31	-9.14	-1.89	95	56	75.1	+0	164	2516	+284
Jackson	0.11	12.52	3.65	-6.16	-0.77	92	61	74.5	-0	166	2502	+378
Lexington	0.22	11.35	2.01	-6.67	-2.23	95	59	75.7	+1	168	2495	+263
London	0.28	12.28	1.77	-5.13	-2.16	92	57	75.0	+0	165	2496	+295
Louisville	0.78	17.42	1.13	-0.31	-2.69	95	62	77.0	+2	176	2600	+138
Mayfield	0.00	17.12	0.74	-1.79	-3.15	94	60	77.1	-0	174	2648	+134
Nashville	0.03	13.89	0.91	-3.79	-2.54	97	59	80.1	+5	189	2858	+236
Nolin Lake	0.50	15.09	2.12	-4.86	-2.11	97	61	78.8	+3	177	2659	+397
Paducah	0.54	19.67	0.54	+0.62	-3.03	97	57	77.6	+0	174	2691	+138
Princeton	0.28	18.60	0.56	-0.33	-3.24	97	60	78.6	+1	179	2796	+274
Quicksand	0.14	13.91	3.91	-4.77	-0.51	92	54	73.9	-1	158	2450	+326
Somerset	0.28	18.31	1.72	-1.25	-2.45	95	58	76.1	+1	167	2491	+199
Spindletop	0.16	8.82	1.40	-9.20	-2.84	94	60	75.3	+1	169	2467	+235
Williamstown	0.81	9.62	2.18	-8.20	-1.71	95	59	77.1	+2	175	2536	+304

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 Weather Center (606)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
 JUL 31, 1999

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