



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



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, Director

Released weekly April - November

Issued 4:00 P.M., August 7, 2006

KGC 20-06

AGRICULTURAL NEWS: A week of hot, humid weather was experienced by Kentucky farmers. Very few places received much precipitation. The hot, dry humid conditions have started to stress livestock and crops throughout the State. On Friday, August 4, **topsoil moisture** was rated 13 percent very short, 39 percent short, 46 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 9 percent very short, 39 percent short, 49 adequate, and 3 percent surplus. Days suitable for fieldwork averaged 6.3 days out of a possible 7 days. Farm activities continued to include baling hay, spraying and topping tobacco, and tobacco barn maintenance.

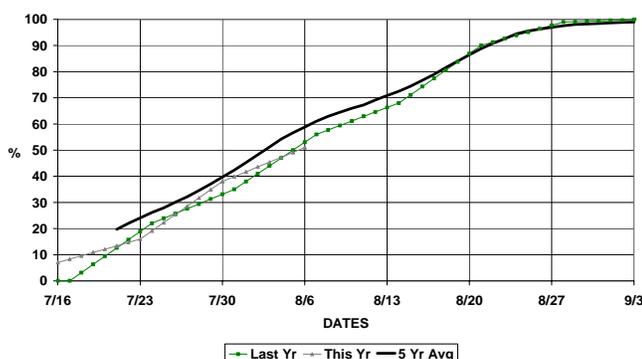
TOBACCO: Crop condition did not change much over the week with 1 percent very poor, 3 percent poor, 20 percent fair, 55 percent good, and 21 percent excellent. Seventy percent of the burley tobacco was blooming or beyond as of Sunday, August 6. Blooming rate was further advanced than last year's 63 percent, but the same as the five year average. Tobacco topped at 51 percent was greater than the five year average of 48 percent and the previous year at 45 percent. Dark tobacco topped at 70 percent was lower than the 78 percent for 2005 and the five year average. Blue mold remained active in the State. A few fields of early set tobacco were cut this week. Most farmers prepared their barns for housing tobacco in the next few weeks.

CORN: Three-fourths of the corn crop was in the milk stage or beyond, behind last year's 81 percent and 83 percent for the five year average. Fifty-one percent was in the dough stage, compare to 53 percent in 2005 and 59 percent for the average. Percent in the dent stage was at 27, same as a year ago but behind the five year average of 31 percent. The corn condition improved a little this week with 4 percent poor, 9 percent fair, 45 percent good, and 42 percent excellent.

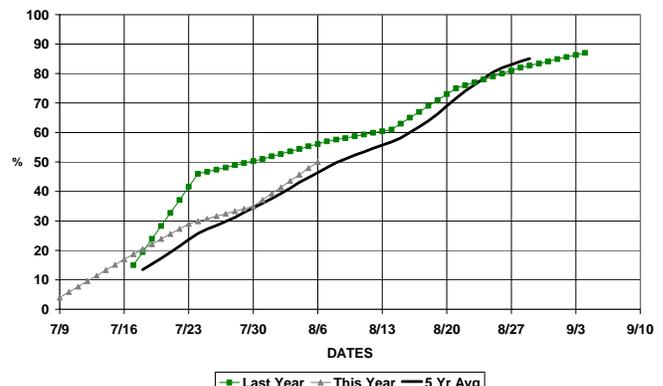
SOYBEANS: Half of the soybean crop was setting pods, up from the 35 percent a year earlier, but still slower than the five year average of 56 percent. Fields need adequate rainfall for blooms and pod development. Seventy-four percent of soybeans have bloomed, up one percent from the average and ahead of last year's 62 percent. Crop condition was rated at 3 percent poor, 15 percent fair, 53 percent good, and 29 percent excellent.

OTHER CROPS: Pastured suffered last week with the hot, dry weather. Conditions dropped slightly to 2 percent very poor, 10 percent poor, 34 percent fair, 44 percent good, and 10 percent excellent. As of Friday, August 4, hay condition was 1 percent very poor, 10 percent poor, 31 percent fair, 47 percent good, and 11 percent excellent. Farmers continued to cut and bale hay while weather conditions favored such activity.

CORN PERCENT DOUGH OR BEYOND



SOYBEANS SETTING PODS PROGRESS



KENTUCKY CROP PROGRESS

WEEK ENDING AUGUST 6, 2006
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	74	62	73	62	87
Setting Pods	50	35	56	35	53
Corn					
Milk Stage	75	81	83	67	NA
Dough Stage	51	53	59	38	25
Dent Stage	27	27	31	16	5
Burley Tobacco					
Blooming	70	63	70	58	NA
Topped	51	45	48	36	NA
Dark Tobacco					
Topped	70	78	78	59	NA

(NA)Data Not Available.

SOIL MOISTURE

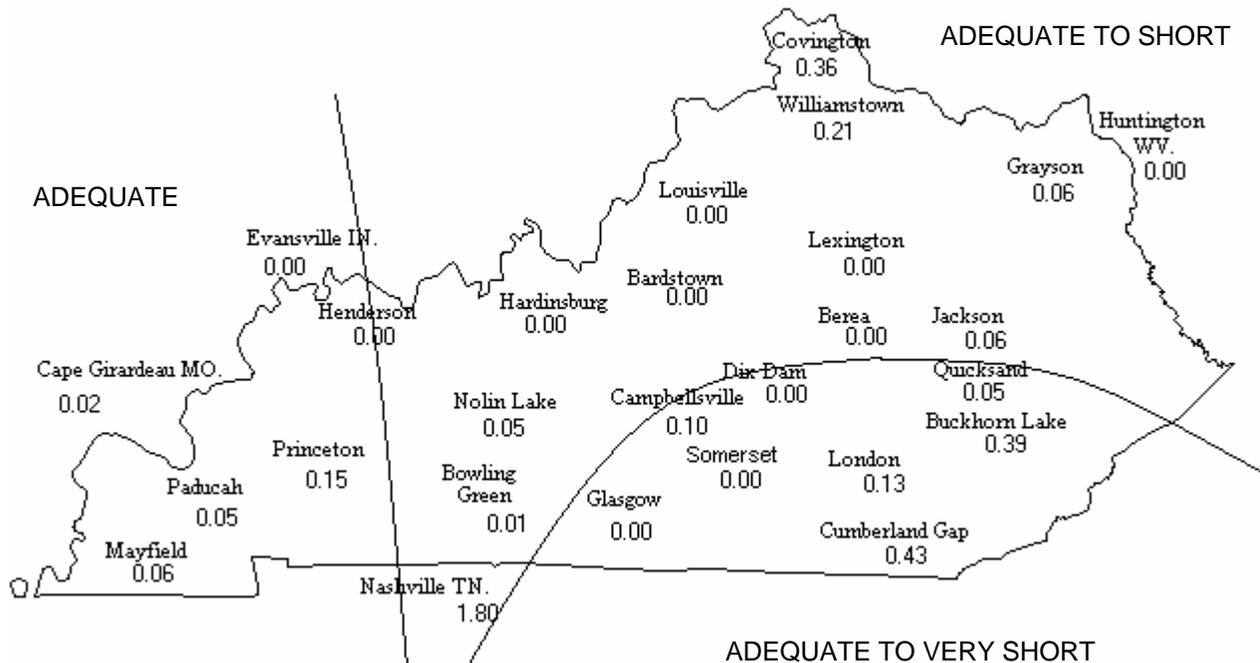
WEEK ENDING AUGUST 4, 2006
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	13	7
Short	39	25
Adequate	46	65
Surplus	2	3
SUBSOIL		
Very Short	9	8
Short	39	24
Adequate	49	65
Surplus	3	3

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 4, 2006					WEEK ENDING JULY 28, 2006				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	0	4	9	45	42	1	2	12	43	42
Soybeans	0	3	15	53	29	1	4	15	51	29
Pasture	2	10	34	44	10	1	7	29	52	11
Hay Crops	1	10	31	47	11	1	8	32	47	12
Tobacco	1	3	20	55	21	1	4	20	53	22

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 6, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 4, 2006



KENTUCKY WEATHER SUMMARY, JULY 31 - AUGUST 6, 2006:

Above Normal Temperatures and Below Normal Rainfall:

The trend of above normal temperatures and below normal rainfall continued this past week. High pressure dominated during most of the work week as conditions were hot, humid, and dry. By Friday, a weak cold front made its way into the Ohio Valley bringing temporary relief from the sultry conditions. Widespread showers and thunderstorms were touched off by the cold front. By the weekend, high pressure again built back into the region.

Temperatures for the period averaged 82 degrees across the State which was 6 degrees above normal and 4 degrees above the previous week's average. High temperatures averaged from 92 in the West to 92 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 6 degrees above normal in the East. Low temperatures averaged from 72 degrees in the West to 71 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 7 degrees above normal in the East. Extreme temperatures ranged from a maximum in the upper 90s to a minimum in the mid 60s.

Precipitation (liq. equ.) for the period totaled 0.07 inches statewide which was 0.80 inches below normal. Precipitation totals by climate division, West 0.05 inches, Central 0.01 inches, Bluegrass 0.09 inches and East 0.14 inches, which was 0.76, 0.88, 0.79 and 0.77 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 1.68 inches at Bristol.

Tom Priddy

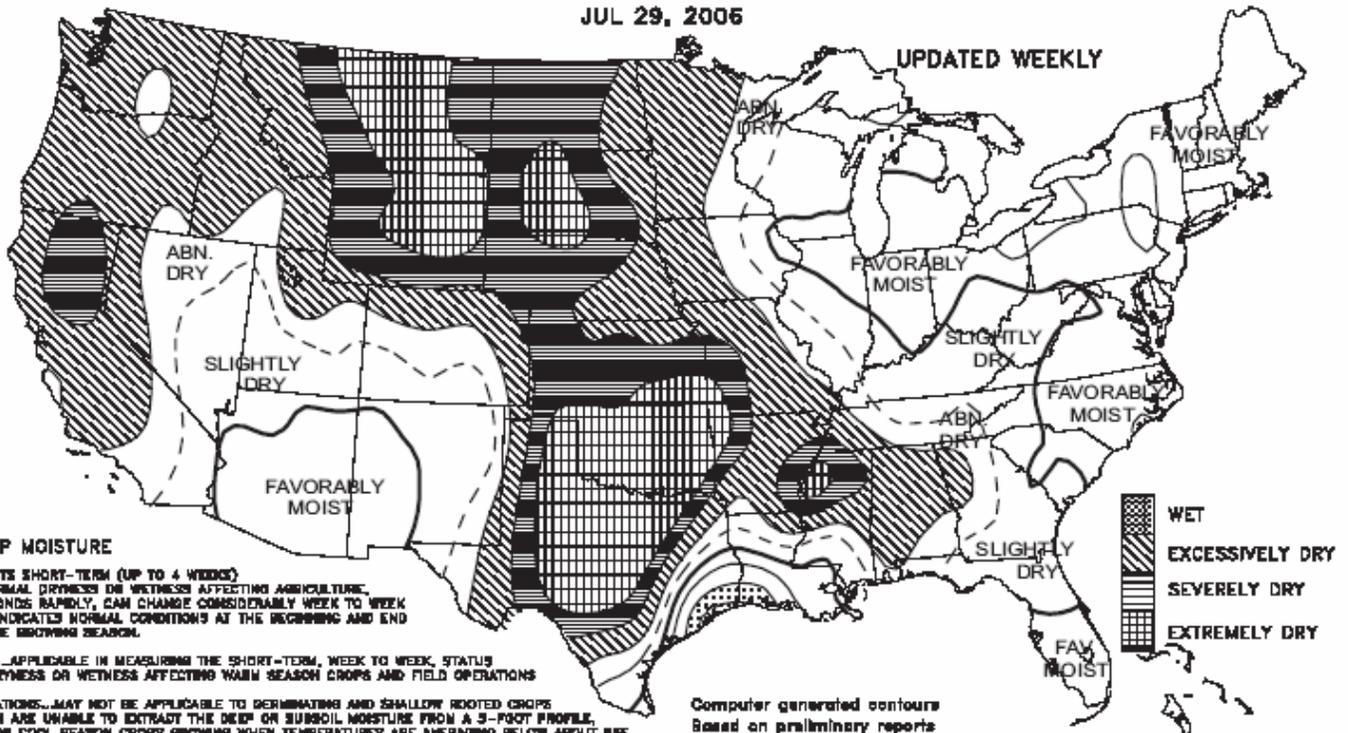
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 6, 7:00 P.M.

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	0.00	14.34	4.31	-3.43	+0.00	94	63	81.2	+6	196	2345	+38
Berea	0.00	13.62	2.11	-4.59	-1.80	95	67	81.2	+6	198	2415	+40
Bowling Green	0.01	14.11	1.57	-4.74	-2.47	97	68	83.2	+8	203	2578	+173
Bristol	1.68	15.79	2.39	+0.12	-1.29	96	65	79.4	+5	185	2250	+65
Buckhorn Lake	0.39	15.03	1.37	-2.53	-2.77	95	68	80.9	+6	199	2401	+319
Cape Girardeau	0.02	17.77	5.26	+0.46	+2.07	94	61	80.9	+3	194	2620	+86
Campbellsville	0.10	13.86	4.14	-6.48	-0.56	96	67	81.1	+5	196	2327	-18
Covington	0.36	15.90	3.19	-0.86	-0.47	93	66	81.1	+6	200	2253	+97
Cumberland Gap	0.43	14.85	2.84	-4.41	-1.74	95	69	80.8	+6	198	2366	+211
Dix Dam	0.00	13.54	1.94	-4.80	-2.33	95	66	81.5	+7	201	2293	-20
Evansville	0.00	19.41	5.93	+2.51	+2.46	95	66	82.1	+5	203	2543	+137
Glasgow	0.00	18.04	3.98	-2.26	-0.57	99	66	82.8	+7	198	2555	+240
Grayson	0.06	17.71	3.11	+0.39	-1.06	97	66	82.4	+7	201	2307	+280
Hardinsburg	0.00	18.51	5.84	+0.04	+1.72	95	67	81.5	+6	199	2391	-14
Henderson	0.00	17.82	5.61	+0.52	+2.09	95	65	81.8	+4	198	2399	-37
Huntington	0.00	17.83	4.17	+0.58	-0.09	98	66	82.4	+7	200	2391	+205
Jackson	0.06	15.13	0.98	-3.30	-3.52	97	67	82.6	+8	201	2438	+356
Lexington	0.00	16.06	3.08	-1.71	-1.23	95	65	82.1	+7	202	2310	+124
London	0.13	13.77	1.16	-3.43	-2.86	96	66	81.1	+6	195	2334	+179
Louisville	0.00	23.25	6.77	+5.74	+2.88	95	67	82.3	+7	202	2353	-59
Mayfield	0.06	16.89	5.76	-1.77	+1.83	95	67	80.7	+3	198	2366	-100
Nashville	1.80	15.91	3.26	-1.55	-0.23	96	72	83.7	+8	209	2765	+195
Nolin Lake	0.05	18.24	3.74	-1.47	-0.57	96	67	82.5	+7	201	2399	+183
Paducah	0.05	21.26	7.64	+2.42	+4.02	93	67	82.2	+5	205	2690	+187
Princeton	0.15	16.77	3.81	-1.91	-0.01	95	66	82.9	+5	202	2610	+138
Quicksand	0.05	13.30	0.95	-5.13	-3.55	95	67	80.9	+6	198	2362	+280
Somerset	0.00	15.56	2.15	-3.75	-2.08	95	67	80.5	+6	193	2281	+35
Spindletop	0.00	13.46	3.89	-4.31	-0.42	94	63	80.9	+6	195	2249	+63
Williamstown	0.21	18.48	3.58	+0.90	-0.36	94	66	81.5	+7	201	2230	+44

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
JUL 29, 2006

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 PERENNATING 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

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.