



KENTUCKY WEEKLY CROP & WEATHER REPORT



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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
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AGRICULTURAL NEWS: High winds and some hail swept across Kentucky early last week. Central and eastern Kentucky were most affected. The extent of damage is thought to be minimal due to the stage crops were in, although a couple of reports of serious water damage to tobacco were received. Days suitable for fieldwork averaged 3.8 out of a possible seven days. Farmers were busy last week topping tobacco, spraying for suckers, insects and weeds, hay baling and preparing equipment for the upcoming tobacco and corn harvest. Topsoil moisture as of Friday, August 8 was rated 4 percent short, 72 percent adequate and 24 percent surplus. Subsoil moisture was rated 7 percent short, 70 percent adequate and 23 percent surplus.

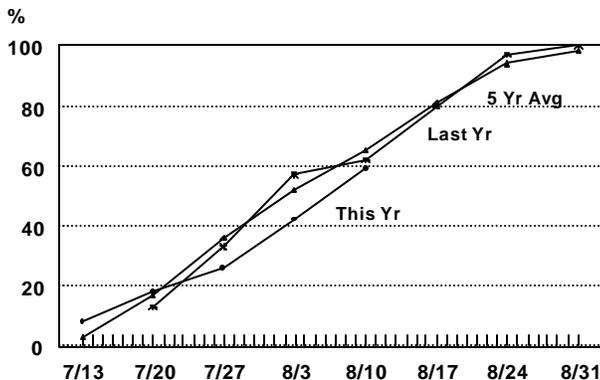
TOBACCO: Continuing wet weather is causing some problems with blue mold in eastern Kentucky fields, although the extent is variable. Black shank has been reported, but appears to be localized. Insect damage has been minimal. Several producers reported they had started cutting their early tobacco. As of Sunday, August 10, the condition of set tobacco was reported as 2 percent very poor, 12 percent poor, 29 percent fair, 40 percent good, and 17 percent excellent. Sixty-seven percent of burley tobacco was blooming or beyond, behind both last year's 78 percent and the 5 year average of 83 percent. Forty-five percent of burley tobacco was topped, also behind both last year's 64 percent and the 5 year average of 63 percent. Dark tobacco reported topped was seventy-four percent, compared with 84 percent for 2002 and the 5 year average.

CORN: As of Sunday, August 10, seventy-eight percent of the corn was in the milk stage or beyond, which was behind last year's average of 87 percent and the 5 year average of 86 percent. Fifty-nine percent of the corn has reached the dough stage or beyond, compared to 62 percent last year and the 5 year average of 65 percent. Thirty percent of the corn was dented, compared with 41 percent last year and 34 percent on average. The corn crop is in mostly good to excellent condition, with 1 percent very poor, 6 percent poor, 25 percent fair, 39 percent good, and 29 percent excellent.

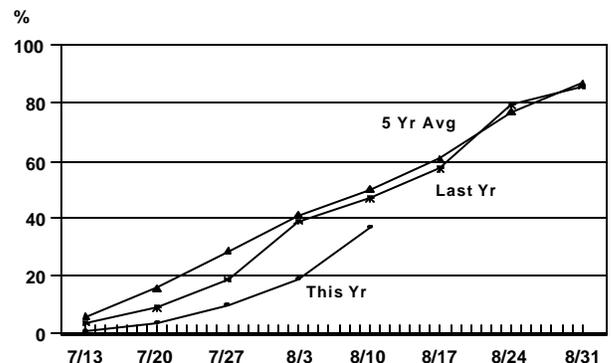
SOYBEANS: Most comments about soybeans were favorable. Western Kentucky farmers were especially optimistic. As of Sunday, August 10, sixty-six percent of the soybeans were blooming and thirty-seven percent were setting pods, last year 76 percent were blooming and 47 percent were setting pods. The 5 year average for soybeans blooming and setting pods were 74 and 50 percent respectively. Condition of the soybean crop improved and was rated 1 percent very poor, 2 percent poor, 18 percent fair, 49 percent good, and 30 percent excellent.

OTHER CROPS: Rains have helped produce a lot of hay, but farmers are having trouble getting it cut and baled due to wet weather. The condition of the hay crop was rated 3 percent poor, 19 percent fair, 57 percent good, and 21 percent excellent. **Pastures** remain in good to excellent condition and were rated 2 percent poor, 17 percent fair, 61 percent good and 20 percent excellent.

CORN PERCENT DOUGH OR BEYOND



SOYBEANS SETTING PODS PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 10, 2003
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	66	76	74	57	82
Setting Pods	37	47	50	19	40
Corn					
Milk Stage	78	87	86	64	NA
Dough Stage	59	62	65	42	19
Dent Stage	30	41	34	NA	NA
Burley Tobacco					
Blooming	67	78	83	52	NA
Topped	45	64	63	30	NA
Dark Tobacco					
Topped	74	84	84	61	NA

SOIL MOISTURE
WEEK ENDING AUGUST 8, 2003
WITH COMPARISONS

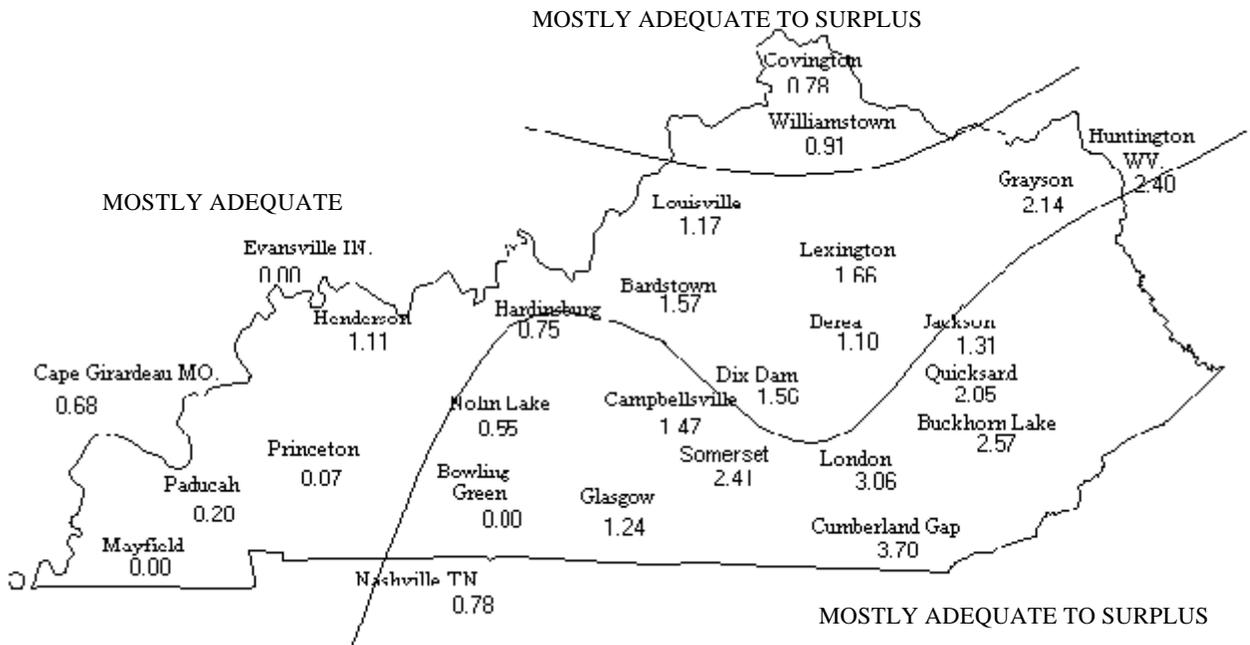
	This Week	Previous Week
TOPSOIL		
Very Short	0	0
Short	4	10
Adequate	72	68
Surplus	24	22
SUBSOIL		
Very Short	0	0
Short	7	11
Adequate	70	74
Surplus	23	15

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 8, 2003					WEEK ENDING AUGUST 1, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	6	25	39	29	1	8	28	37	26
Soybeans	1	2	18	49	30	1	4	21	53	21
Pasture	0	2	17	61	20	0	4	20	51	25
Hay Crops	0	3	19	57	21	0	4	21	54	21
Tobacco	2	12	29	40	17	1	9	30	46	14

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 10, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 8, 2003



KENTUCKY WEATHER SUMMARY, AUGUST 4 - 10, 2003:

BELOW NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

Central and Eastern sections of the State received much above normal rainfall last week with Western sections receiving much less rainfall than the remainder of the State. The cooler than normal temperatures trend continued.

Temperatures for the 7 day period averaged 74 degrees across the State which was 2 degrees below normal and 2 degrees cooler than the previous week. High temperatures averaged from 85 in the West to 81 in the East. Departure from normal high temperatures ranged from 4 degrees below normal in the West to 5 degrees below normal in the East. Low temperatures averaged from 65 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to near normal in the East.

Rainfall for the period totaled 1.23 inches statewide which was 0.39 inches above normal. Rainfall totals by climate division, West 0.34 inches, Central 0.88 inches, Bluegrass 1.25 inches and East 2.45 inches, which was -0.45, +0.03, +0.40 and +1.58 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Bowling Green to a high of 5.29 inches at Bristol.

Tom Priddy

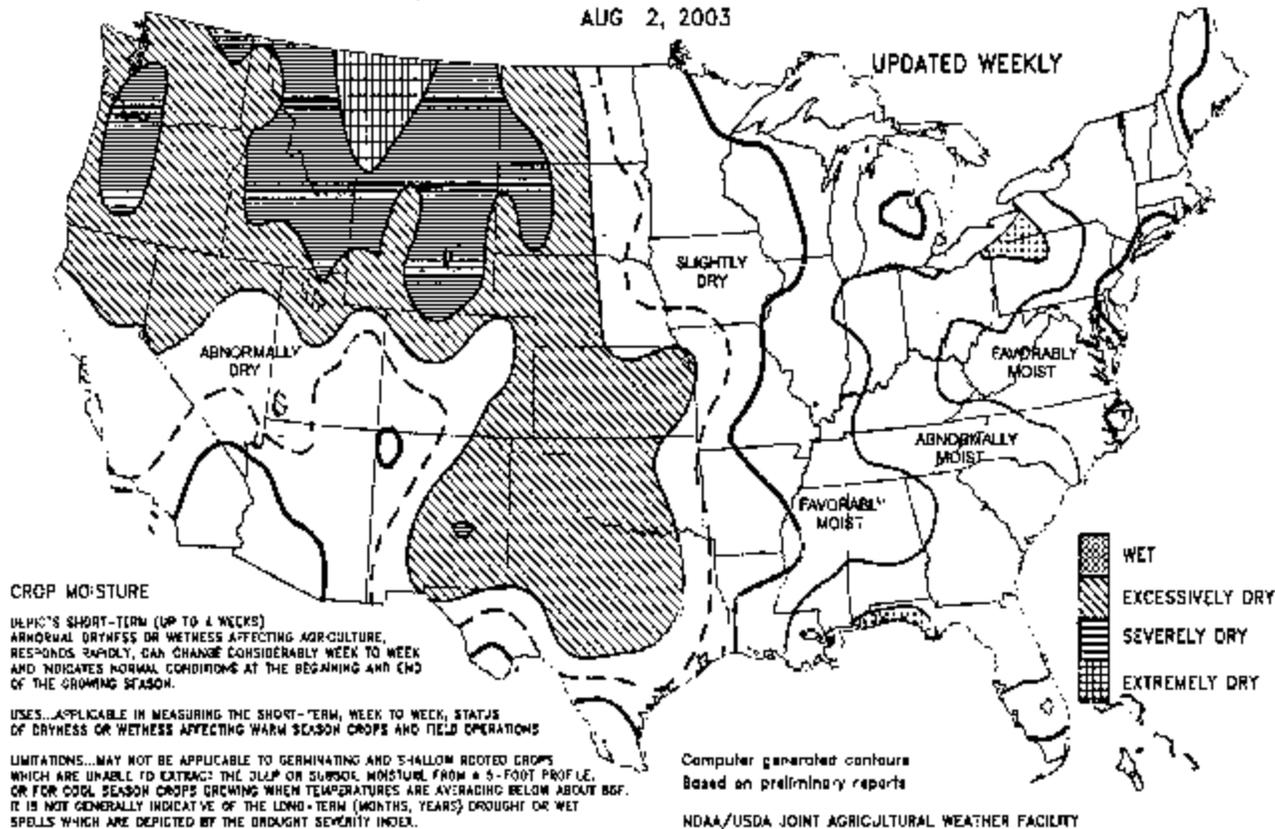
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 10, 7:00 P.M.

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	1.57	26.20	5.24	+7.92	+1.07	86	60	73.7	-2	163	2379	-20
Berea	1.10	27.25	4.54	+8.52	+0.69	83	63	73.9	-1	166	2409	-62
Bowling Green	0.00	25.18	4.35	+5.88	+0.47	86	62	74.5	-1	169	2530	+29
Bristol	5.29	34.03	10.95	+17.95	+7.42	83	64	72.9	-2	160	2279	+2
Buckhorn Lake	2.57	28.44	6.31	+10.41	+2.32	83	62	72.2	-2	153	2285	+119
Cape Girardeau	0.68	23.09	3.09	+5.33	-0.09	88	62	75.9	-1	175	2515	-119
Campbellsville	1.47	27.44	6.25	+6.51	+1.66	86	63	74.7	-1	171	2520	+79
Covington	0.78	18.58	4.16	+1.39	+0.62	84	61	72.3	-2	154	2133	-115
Cumberland Gap	3.70	31.87	8.52	+12.05	+4.06	84	64	73.4	-1	162	2369	+122
Dix Dam	1.56	27.16	5.02	+8.31	+0.88	84	62	73.4	-1	162	2374	-35
Evansville	0.00	17.84	3.81	+0.54	+0.46	86	64	74.6	-3	170	2411	-91
Glasgow	1.24	28.36	6.97	+7.54	+2.59	88	62	75.5	+0	175	2611	+200
Grayson	2.14	27.59	6.58	+9.79	+2.55	81	61	72.0	-3	153	2266	+151
Hardinsburg	0.75	22.54	4.90	+3.58	+0.91	84	63	73.5	-2	163	2410	-91
Henderson	1.11	28.01	7.66	+10.30	+4.26	85	63	74.2	-3	167	2458	-74
Huntington	2.40	28.01	7.26	+10.25	+3.13	81	61	71.8	-3	151	2249	-29
Jackson	1.31	24.56	4.35	+5.62	+0.01	82	61	71.1	-3	147	2237	+71
Lexington	1.66	25.74	5.02	+7.46	+0.85	83	61	72.7	-2	157	2288	+10
London	3.06	31.21	7.89	+13.58	+4.06	84	62	72.4	-2	154	2270	+23
Louisville	1.17	25.38	6.61	+7.42	+2.85	85	63	73.4	-2	161	2387	-125
Mayfield	0.00	16.68	1.50	-2.48	-2.34	84	63	73.6	-3	163	2375	-187
Nashville	0.78	22.45	3.61	+4.54	+0.19	88	67	76.6	+1	183	2667	-7
Nolin Lake	0.55	24.53	4.69	+4.34	+0.55	86	63	74.5	-1	170	2516	+208
Paducah	0.20	21.12	3.26	+1.85	-0.25	88	63	75.5	-2	174	2569	-34
Princeton	0.07	22.20	5.13	+3.01	+1.35	87	63	75.4	-2	175	2572	+0
Quicksand	2.05	31.02	5.10	+12.08	+0.76	82	61	72.0	-3	152	2297	+131
Somerset	2.41	33.83	6.68	+14.02	+2.58	84	62	73.4	-1	162	2379	+41
Spindletop	1.52	19.03	3.50	+0.75	-0.67	83	60	71.8	-3	151	2217	-61
Williamstown	0.91	21.99	5.27	+3.93	+1.44	86	61	73.1	-1	161	2334	+56

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr1 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
AUG 2, 2003

UPDATED WEEKLY



CROP MOISTURE

USDA'S 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 5-FEET ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SURFACE MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 60F. 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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