



Kentucky Agricultural Statistics Service
 P.O. Box 1120
 Louisville, Kentucky 40201-1120
 (502) 582-5293 or 1-800-928-5277

LELAND E. BROWN, Director

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

Released weekly April - November

Issued 4:00 P.M., August 2, 2004

KBM 19-04

AGRICULTURAL NEWS: Storms ended a very wet, and at times, unseasonably cool July. Days suitable for fieldwork averaged 5.3 out of a possible seven days. Major farm activity included spraying soybeans for weeds, topping and spraying tobacco for insects and suckers, hay baling and general farm maintenance. **Topsoil moisture** as of Friday, July 30, was rated 1 percent very short, 15 percent short, 76 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 1 percent very short, 12 percent short, 82 percent adequate and 5 percent surplus.

CORN: As of Sunday, August 1, 94 percent of the corn had silked or was silking, ahead of last year's 84 percent and the 5 year average of 92 percent. Seventy-five percent was in the milk stage or beyond, which was also ahead of both last year at 61 percent and the 5 year average of 73 percent. Forty-six percent of the corn has reached the dough stage or beyond, compared to 37 percent last year and the 5 year average of 50 percent. Twenty percent of corn was dented, compared with 13 percent last year and 10 percent on average. Corn remains in mostly good to excellent condition, with 1 percent very poor, 4 percent poor, 15 percent fair, 39 percent good, and 41 percent excellent.

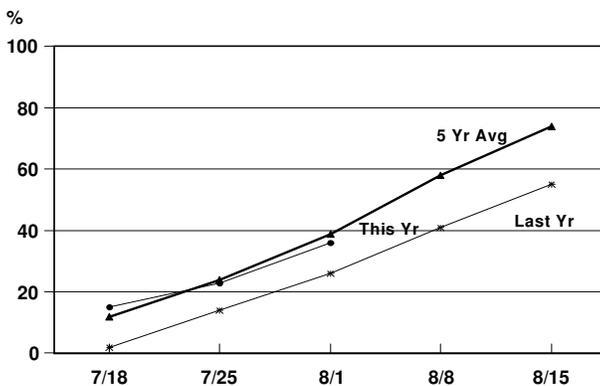
SOYBEANS: As of Sunday, August 1, 63 percent of the soybeans were blooming and 41 percent were setting pods, last year 50 percent were blooming and 16 percent were setting pods. The 5 year average for soybeans blooming and

setting pods were 65 and 35 percent respectively. Condition of emerged soybeans was rated 3 percent poor, 16 percent fair, 48 percent good, and 33 percent excellent.

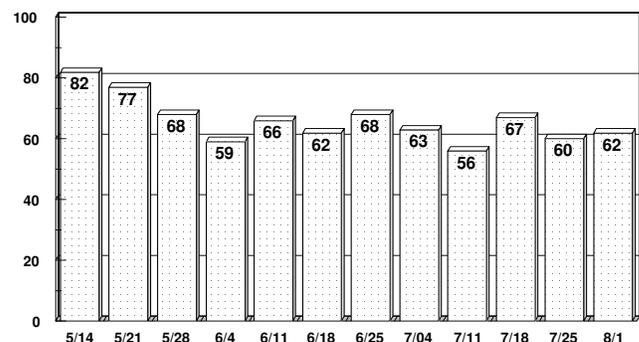
TOBACCO: Blue mold and black shank continue to be a problem in fields where frequent rains have been received. Reports of the severity of these diseases have been variable ranging from minimal problems to serious impact. There were few reports of insect problems in tobacco. Tobacco height is short in areas where replanting was done. As of Sunday, August 1, the condition of set tobacco was reported as 4 percent very poor, 11 percent poor, 23 percent fair, 47 percent good, and 15 percent excellent. Sixty-three percent of burley tobacco was blooming or beyond, compared to last year at 47 percent and the 5 year average of 64 percent. Thirty-six percent of burley tobacco was topped, compared to 26 percent a year ago and the 5 year average of 39 percent. Dark tobacco reported topped was 71 percent, compared with 52 percent for 2003 and tied with the 5 year average at 71 percent.

OTHER CROPS: Farmers were busy cutting and baling hay and clipping pastures, as weather permitted. The condition of the hay crop was rated 1 percent very poor, 6 percent poor, 19 percent fair, 52 percent good, and 22 percent excellent. **Pasture** condition was rated 1 percent very poor, 3 percent poor, 18 percent fair, 51 percent good and 27 percent excellent. Pastures were doing well in many areas due to abundant moisture and cooler than normal temperatures.

BURLEY TOBACCO PERCENT TOPPED



BURLEY TOBACCO CONDITION
 % Good to Excellent



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 1, 2004
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	63	50	65	59	74
Setting Pods	41	16	35	32	32
Corn					
Silking	94	84	92	91	72
Milk Stage	75	61	73	60	NA
Dough Stage	46	37	50	27	19
Dent Stage	20	13	10	NA	NA
Burley Tobacco					
Blooming	63	47	64	52	NA
Topped	36	26	39	23	NA
Dark Tobacco					
Topped	71	52	71	36	NA

SOIL MOISTURE
WEEK ENDING JULY 30, 2004
WITH COMPARISONS

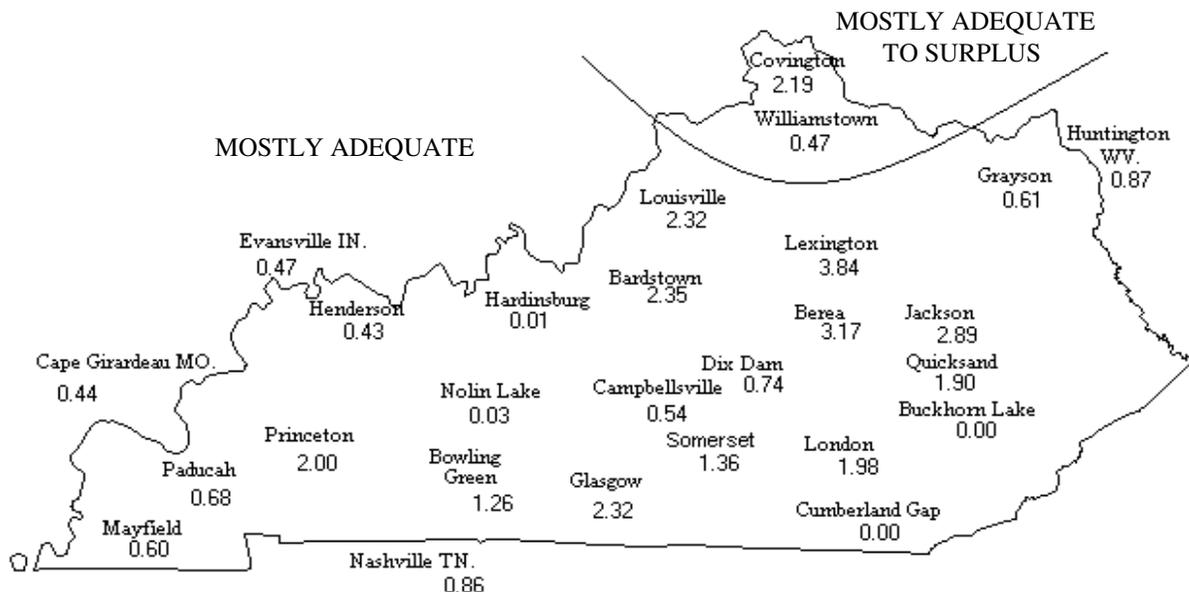
	This Week	Previous Week
TOPSOIL		
Very Short	1	1
Short	15	15
Adequate	76	76
Surplus	8	8
SUBSOIL		
Very Short	1	2
Short	12	12
Adequate	82	80
Surplus	5	6

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 30, 2004					WEEK ENDING JULY 23, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	4	15	39	41	0	3	17	42	38
Soybeans	0	3	16	48	33	0	6	15	43	36
Pasture	1	3	18	51	27	1	5	20	51	23
Hay Crops	1	6	19	52	22	1	6	20	55	18
Tobacco	4	11	23	47	15	3	11	26	48	12

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 1, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 30, 2004



KENTUCKY WEATHER SUMMARY, JULY 26 - AUGUST 1, 2004:

BELOW NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:

Temperatures for the period averaged 72 degrees across the State which was 4 degrees below normal and 3 degrees cooler than the previous week. High temperatures averaged from 81 degrees in the West to 81 degrees in the East. Departure from normal high temperatures ranged from 8 degrees below normal in the West to 5 degrees below normal in the East. Low temperatures averaged from 61 degrees in the West to 64 degrees in the East. Departure from normal low temperatures ranged from 6 degrees below normal in the West to 1 degree below normal in the East. The extreme high temperature was 89 degrees at Glasgow. The extreme low temperature was 52 degrees at Paducah, Princeton, and Bardstown.

Rainfall for the period totaled 1.42 inches statewide which was 0.39 inches above normal. Precipitation totals by climate division, West 0.77 inches, Central 1.38 inches, Bluegrass 2.33 inches and East 1.20 inches, which was -0.14, +0.31, +1.30 and +0.11 inches respectively from normal. By station, precipitation totals ranged from a low of 0.43 inches at Henderson to a high of 3.84 inches at Lexington.

It comes as no surprise that this week's temperatures averaged below normal. The week began very cool as rain and cloudy skies kept temperatures down on Monday. Paducah, Lexington, Bowling Green, and Louisville set record low highs as highs hovered in the upper 60's and lower 70's. On Tuesday and Wednesday record lows were set from Paducah to Jackson as temperatures dropped into the lower 50's. For midweek, high pressure had settled in bringing clear skies, light winds, and cool temperatures. More rain came Friday and Saturday as a storm system pushed across the State. Some severe thunderstorm warnings were issued, but heavy rains and minor flooding were the biggest problems. Conditions dried out on Sunday making way for a beautiful day with more seasonable temperatures in the upper 80's.

Tom Priddy

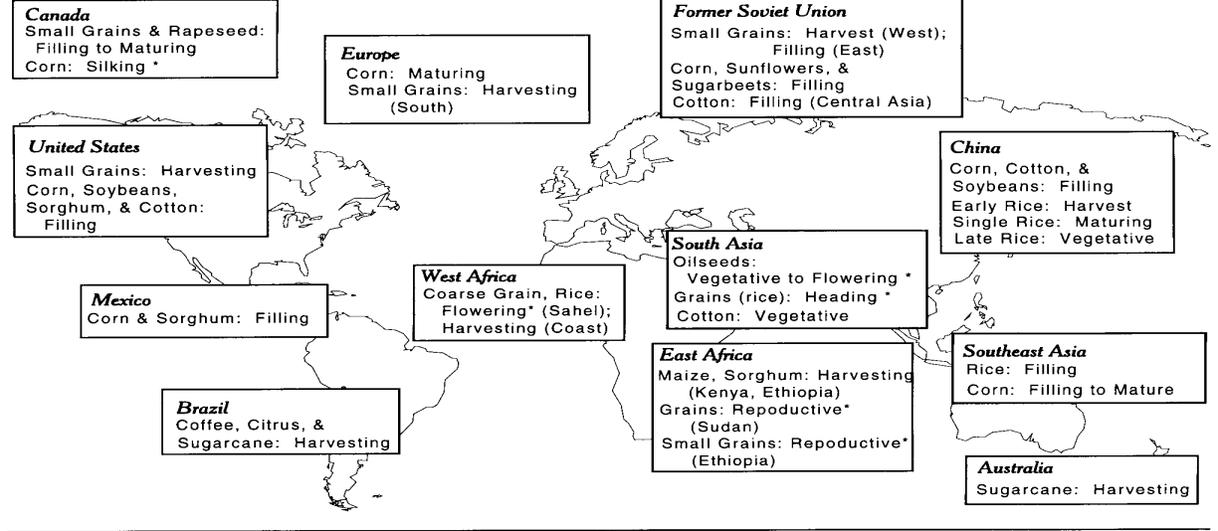
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 1, 7:00 P.M.

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	2.35	29.87	8.14	+12.73	+3.66	86	52	71.4	-5	149	2323	+131
Berea	3.17	24.27	8.01	+6.70	+4.03	85	57	73.5	-2	163	2453	+198
Bowling Green	1.26	23.63	4.67	+5.35	+0.43	88	54	73.2	-3	159	2487	+202
Bristol	3.56	18.74	4.93	+3.58	+1.07	88	60	74.1	-1	167	2255	+185
Buckhorn Lake	0.00	21.04	0.00	+4.07	-4.33	85	55	72.0	-3	152	2263	+286
Cape Girardeau	0.44	16.93	5.65	+0.19	+2.45	88	53	72.2	-5	153	2449	+40
Campbellsville	0.54	21.21	4.35	+1.60	-0.47	87	54	72.0	-4	150	2422	+197
Covington	2.19	20.43	5.79	+4.21	+1.99	85	57	69.8	-5	138	2151	+110
Cumberland Gap	0.00	15.68	0.00	-2.88	-4.73	85	55	72.0	-3	152	2320	+280
Dix Dam	0.74	24.62	5.69	+6.90	+1.24	85	54	71.9	-3	151	2350	+157
Evansville	0.47	17.96	5.45	+1.56	+1.83	87	56	70.8	-7	143	2458	+172
Glasgow	2.32	22.72	5.28	+3.07	+0.53	89	55	75.0	-1	168	2595	+400
Grayson	0.61	17.62	2.42	+0.91	-1.93	84	58	73.6	-2	162	2294	+377
Hardinsburg	0.01	21.70	2.49	+3.84	-1.79	84	57	72.1	-4	154	2423	+138
Henderson	0.43	16.70	1.90	-0.09	-1.76	83	54	70.0	-8	138	2401	+85
Huntington	0.87	15.16	2.16	-1.46	-2.26	87	59	73.9	-1	164	2316	+245
Jackson	2.89	28.86	6.20	+11.08	+1.50	85	57	72.9	-2	158	2230	+253
Lexington	3.84	28.29	6.97	+11.15	+2.49	86	54	71.2	-4	146	2230	+159
London	1.98	23.27	5.91	+6.60	+1.66	86	54	72.5	-3	156	2264	+224
Louisville	2.32	27.01	6.89	+10.08	+2.85	86	56	71.5	-4	148	2380	+93
Mayfield	0.60	12.53	1.66	-5.51	-2.37	85	55	72.0	-6	152	2356	+10
Nashville	0.86	19.40	1.65	+2.50	-1.92	91	59	76.6	+1	179	2623	+183
Nolin Lake	0.03	22.22	3.65	+3.12	-0.87	87	55	73.4	-3	159	2481	+380
Paducah	0.68	14.68	1.33	-3.62	-2.43	88	52	71.5	-6	148	2535	+157
Princeton	2.00	20.93	4.73	+2.90	+0.86	86	52	68.0	-10	124	2511	+164
Quicksand	1.90	25.40	1.90	+7.62	-2.80	85	55	72.0	-3	152	2263	+286
Somerset	1.36	19.02	3.44	+0.34	-0.95	86	55	71.4	-4	148	2257	+126
Spindletop	3.55	23.63	7.44	+6.49	+2.96	84	55	70.2	-5	141	2194	+123
Williamstown	0.47	17.27	3.39	+0.29	-0.68	84	56	69.8	-5	138	2254	+183

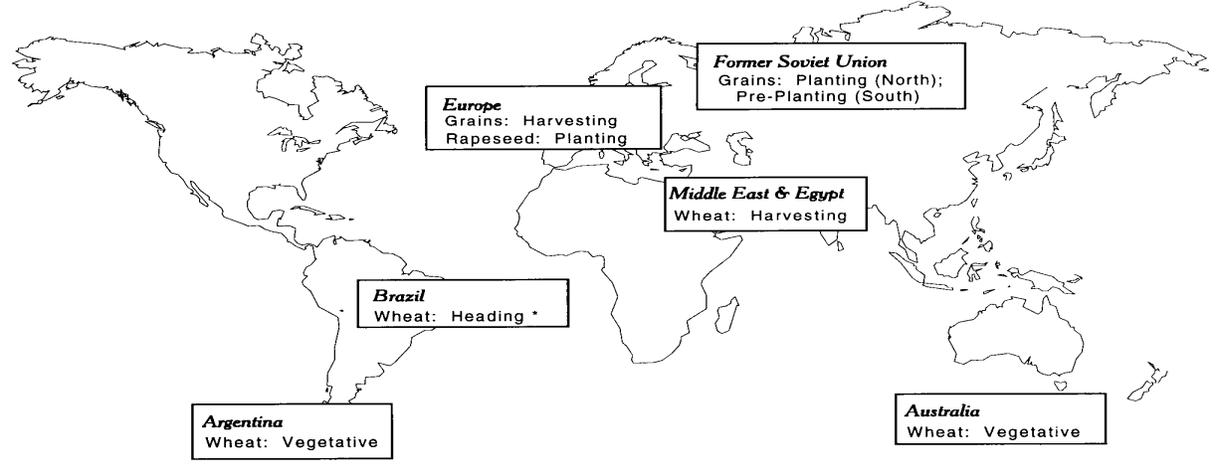
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

August normal crop calendar

Summer crops



Winter crops



* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

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.