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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

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KGC 22-04

AGRICULTURAL NEWS: Cool and dry weather prevailed except for a late week shower and a couple of days reaching 90 degrees at mid-week. More rain would benefit the late soybeans and pastures. About 5.7 days were suitable for fieldwork out of a possible seven days. The main farm activities included topping, spraying, cutting and housing tobacco, shelling corn, hay baling, and clipping pastures. **Topsoil moisture** was rated 6 percent very short, 28 percent short, 61 percent adequate and 5 percent surplus on Friday, August 20. **Subsoil moisture** was rated 5 percent very short, 25 percent short, 66 percent adequate and 4 percent surplus.

TOBACCO: The condition of tobacco in the field as of Sunday, August 22 was 3 percent very poor, 8 percent poor, 19 percent fair, 52 percent good, and 18 percent excellent. Field tobacco continued to be topped and sprayed, while more tobacco was cut and housed. The occasional morning fog helped housed tobacco to cure. Blue mold and black shank still pose a problem for farmers. By Sunday, 38 percent of the burley tobacco was cut, compared to 19 percent last year and 32 percent for the 5 year average. Thirty-three percent of the dark tobacco was cut, ahead of last year at 14 percent and 29 percent for the average.

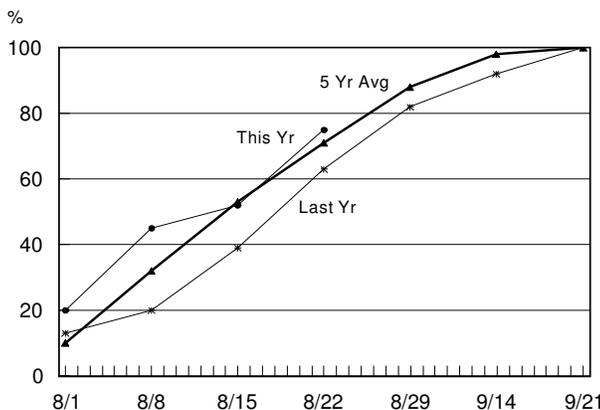
CORN: A few early fields of corn in the south have been harvested and harvesting should become more prevalent over the next couple of weeks. The condition of Kentucky's

corn crop was 1 percent very poor, 6 percent poor, 16 percent fair, 41 percent good, and 36 percent excellent. Ninety-two percent was in the dough stage or beyond, compared with 87 percent a year ago and 91 percent for the 5 year average. Three-quarters of the crop was dented, compared with 63 percent last year and 71 percent on average. About 23 percent of the crop was mature, compared with 14 percent in 2003 and 19 percent for the 5 year average.

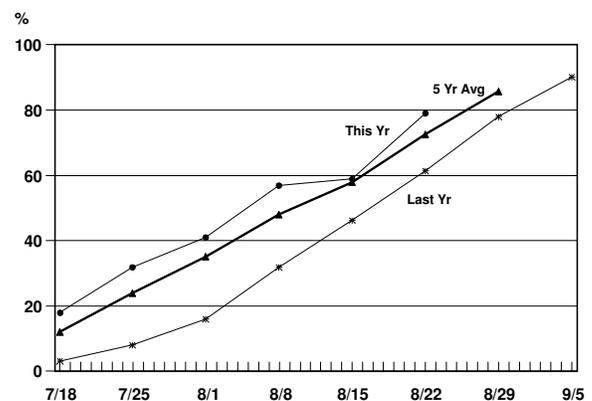
SOYBEANS: Double-cropped soybeans could use more rain to help fill pods, but the crop as a whole still looks good. Some localized fields have seen some insect damage, but nothing widespread was reported. The condition of the emerged soybeans was rated 1 percent very poor, 8 percent poor, 21 percent fair, 40 percent good, and 30 percent excellent. As of Sunday, August 22, 93 percent of the soybeans were blooming. Last year blooming was 84 percent, with a 5 year average of 90 percent. Seventy-nine percent of the crop was setting pods, ahead of the 61 percent a year ago and 72 percent for the average.

OTHER CROPS: More rain would help maintain the quality of the State's **pastures**, which were rated at 2 percent very poor, 5 percent poor, 22 percent fair, 54 percent good and 17 percent excellent. Farmers continue to cut **hay** this week. Hay conditions were 2 percent very poor, 6 percent poor, 22 percent fair, 52 percent good, and 18 percent excellent.

CORN PERCENT DENT OR BEYOND



SOYBEANS SETTING PODS PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 22, 2004
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	93	84	90	77	95
Setting Pods	79	61	72	59	81
Corn					
Dough Stage	92	87	91	76	57
Dent Stage	75	63	71	52	23
Mature	23	14	19	NA	NA
Burley Tobacco					
Cut	38	19	32	22	NA
Dark Tobacco					
Cut	33	14	29	15	NA

SOIL MOISTURE
WEEK ENDING AUGUST 20, 2004
WITH COMPARISONS

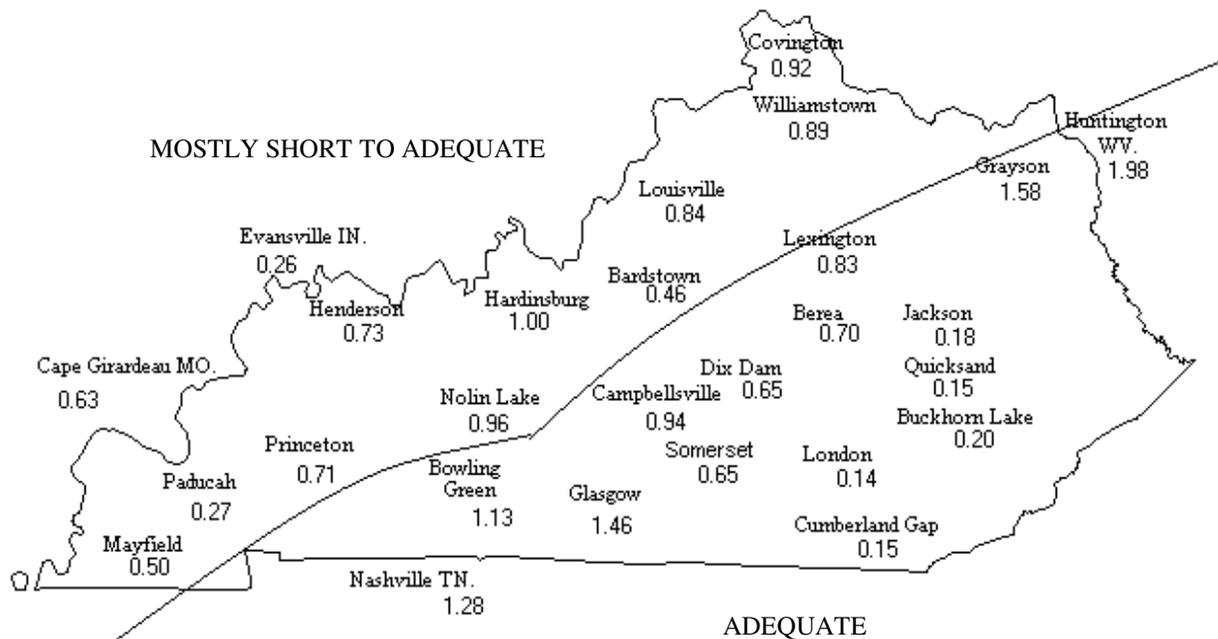
	This Week	Previous Week
TOPSOIL		
Very Short	6	3
Short	28	10
Adequate	61	75
Surplus	5	12
SUBSOIL		
Very Short	5	1
Short	25	11
Adequate	66	79
Surplus	4	9

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 20, 2004					WEEK ENDING AUGUST 13, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	6	16	41	36	0	4	13	48	35
Soybeans	1	8	21	40	30	0	3	18	48	31
Pasture	2	5	22	54	17	1	4	17	55	23
Hay Crops	2	6	22	52	18	1	5	16	54	24
Tobacco in Field	3	8	19	52	18	3	10	21	50	16

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 22, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 20, 2004



KENTUCKY WEATHER SUMMARY, AUGUST 16 - 22, 2004:
BELOW NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

The week began with more record lows set across the State from Paducah to Jackson. High pressure was the reason as cool Canadian air infiltrated the Ohio Valley keeping skies clear and winds light. Things changed on Wednesday as winds shifted to the south bringing some 90's to the area. The warm weather continued into Thursday as heat indices were in the upper 90's. A large area of rain began to move into western Kentucky late Thursday and lasting throughout most of the day Friday. Rain tapered off early Saturday morning in eastern Kentucky. Skies cleared in time for a beautiful weekend with mild temperatures and partly cloudy skies. This is the 6th straight week with below normal temperatures. This is the second consecutive week with below normal precipitation values.

Temperatures for the period averaged 71 degrees across the State which was 2 degrees below normal, but 5 degrees warmer than the previous week. High temperatures averaged from 84 degrees in the West to 81 degrees in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 3 degrees below normal in the East. Low temperatures averaged from 61 degrees in the West to 60 degrees in the East. Departure from normal low temperature ranged from 3 degrees below normal in the West to 2 degrees below normal in the East. The extreme high temperature was 93 degrees in Paducah. The extreme low temperature was 48 degrees in Paducah.

Rainfall for the period totaled 0.70 inches statewide which was 0.14 inches below normal. Precipitation totals by climate division, West 0.52 inches, Central 0.98 inches, Bluegrass 0.69 inches and East 0.63 inches, which was -0.27, +0.13, -0.17 and -0.24 inches respectively from normal. By station, precipitation totals ranged from a low of 0.14 inches at London to a high of 1.58 inches at Grayson.

Tom Priddy

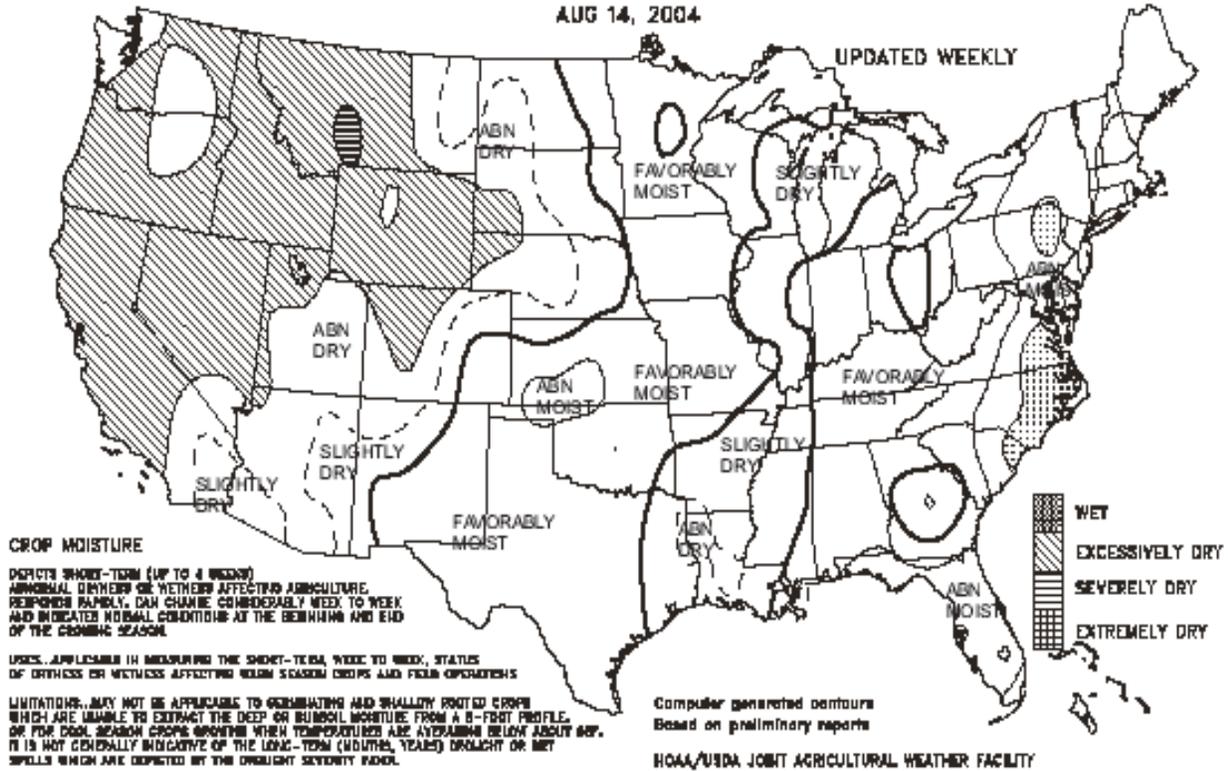
KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, AUGUST 22, 7:00 P.M.

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	0.46	32.53	5.01	+12.73	+1.25	88	52	70.5	-3	142	2727	+52
Berea	0.70	26.67	5.57	+6.40	+1.88	88	50	70.3	-2	139	2857	+98
Bowling Green	1.13	26.17	3.80	+5.51	+0.39	91	51	71.7	-2	146	2904	+115
Bristol	0.59	21.09	5.91	+3.78	+2.82	88	57	71.5	-1	147	2670	+117
Buckhorn Lake	0.20	22.49	1.45	+3.05	-2.08	90	52	71.2	-2	145	2668	+250
Cape Girardeau	0.63	18.45	1.96	-0.66	-1.20	92	47	72.9	-3	154	2873	-61
Campbellsville	0.94	24.94	4.27	+2.24	-0.01	88	50	70.2	-3	139	2817	+88
Covington	0.92	22.78	4.54	+4.29	+1.34	90	54	71.1	-2	144	2541	+17
Cumberland Gap	0.15	17.58	1.90	-3.91	-2.19	90	52	71.2	-2	145	2725	+202
Dix Dam	0.65	26.83	2.95	+6.47	-0.78	88	52	70.6	-2	142	2751	+54
Evansville	0.26	18.24	0.75	-0.27	-2.24	91	50	72.9	-3	154	2882	+92
Glasgow	1.46	25.70	5.30	+3.32	+1.41	91	50	72.1	-1	148	3019	+320
Grayson	1.58	20.85	3.84	+1.60	+0.24	90	54	71.6	-1	148	2702	+323
Hardinsburg	1.00	22.91	1.22	+2.49	-2.39	91	52	72.4	-1	150	2836	+47
Henderson	0.73	18.16	1.89	-0.78	-1.15	92	50	72.3	-3	148	2822	+2
Huntington	1.98	18.88	4.59	-0.41	+0.84	91	54	72.1	-1	149	2731	+177
Jackson	0.18	30.63	4.66	+10.13	+0.80	86	57	70.7	-2	144	2626	+208
Lexington	0.83	30.40	5.95	+10.60	+2.19	89	52	70.9	-2	142	2622	+68
London	0.14	26.68	5.39	+7.77	+2.12	87	53	69.7	-3	136	2648	+125
Louisville	0.84	28.87	4.18	+9.54	+0.79	92	54	72.3	-1	150	2802	-10
Mayfield	0.50	13.30	1.37	-7.34	-2.22	90	52	71.2	-4	145	2761	-89
Nashville	1.28	23.28	4.74	+4.03	+1.52	92	54	73.7	+0	159	3089	+103
Nolin Lake	0.96	24.26	2.07	+2.62	-1.57	91	52	72.1	-1	149	2901	+317
Paducah	0.27	15.10	1.10	-5.46	-2.08	93	48	73.5	-2	157	2971	+68
Princeton	0.71	22.90	3.97	+2.15	+0.29	91	50	73.2	-2	153	2945	+73
Quicksand	0.15	26.25	2.75	+5.75	-1.11	90	52	71.2	-2	145	2668	+250
Somerset	0.65	24.57	6.91	+3.24	+3.18	87	49	67.9	-5	123	2618	+4
Spindletop	0.15	25.75	5.67	+5.95	+1.91	88	52	70.7	-2	143	2585	+31
Williamstown	0.89	19.52	2.72	+0.01	-0.80	90	53	71.0	-2	144	2644	+90

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 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 14, 2004

UPDATED WEEKLY



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