



KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
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AGRICULTURAL NEWS: Severe storms moved across the State on the 13th which resulted in widespread reports of outbuilding damage and power outages. However; precipitation and temperature were near normal for the week. Rainfall for the week averaged 1.14 inches statewide which was 0.09 inches above normal. The major farming activities included topping and cultivating tobacco, spraying for blue mold control, harvesting hay, and clipping pastures. Days suitable for fieldwork averaged 5.1 out of a possible seven days. **Topsoil moisture** as of Friday, July 16, was rated 3 percent very short, 11 percent short, 76 percent adequate and 10 percent surplus. **Subsoil moisture** was rated 2 percent very short, 8 percent short, 80 percent adequate and 10 percent surplus.

CORN: Corn continues to show good growth across the State. As of Sunday, July 18, 89 percent of the corn had silked or is silking, which was ahead of both last year's 65 percent and the 5 year average of 76 percent. Forty-four percent of the crop was in milk stage or beyond, compared to last year's 34 percent and the 5 year average of 37 percent. Twenty percent of the corn has reached the dough stage or beyond. This was ahead of both last year's and the 5 year average of 15 percent. The emerged corn was in good to excellent condition, with 3 percent poor, 18 percent fair, 46 percent good, and 33 percent excellent.

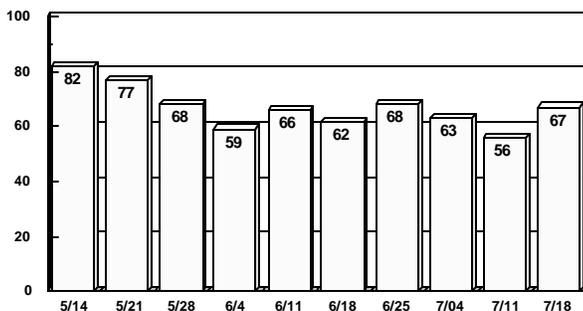
SOYBEANS: Farmers sprayed soybeans for weeds. As of Sunday, July 18, 48 percent of the soybeans were blooming and 18 percent were setting pods. Last year 18 percent were blooming and 3 percent were setting pods.

The 5 year average for soybeans blooming and setting pods were 35 and 12 percent respectively. Condition of emerged soybeans was rated 4 percent poor, 14 percent fair, 52 percent good, and 30 percent excellent.

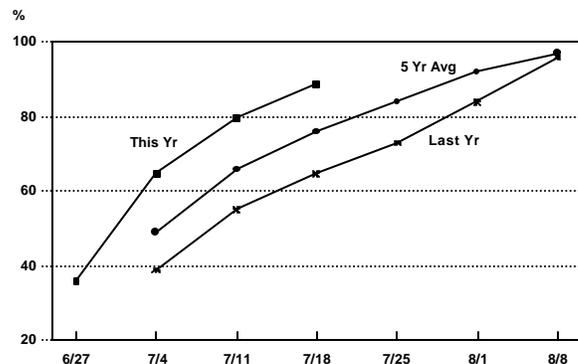
TOBACCO: Tobacco reports continue to be mixed. Optimism is tempered by widespread reports of blue mold and black shank. There also appears to be a widespread variability in maturity. There was one report of tobacco being cut and set in the same area. Another concern is that some fields are blooming before putting on much height. The rains brought weed growth and some low lying fields were flooded. As of Sunday, July 18, the condition of set tobacco was reported as 2 percent very poor, 11 percent poor, 20 percent fair, 53 percent good, and 14 percent excellent. Thirty-two percent of burley tobacco was blooming or beyond, which was ahead of both last year's 17 percent and the 5 year average of 29 percent. Fifteen percent of burley tobacco was topped, ahead of both last year's 4 percent and the 5 year average of 12 percent. Dark tobacco blooming or beyond reached 36 percent, compared with 29 percent for 2003 and 39 percent for the 5 year average.

OTHER CROPS: Hay baling and pasture clipping were major activities during the week. **Hay crops** were reported as 1 percent very poor, 6 percent poor, 17 percent fair, 56 percent good, 20 percent excellent. **Pastures** remain in fair to excellent condition and were rated 1 percent very poor, 3 percent poor, 22 percent fair, 50 percent good and 24 percent excellent.

BURLEY TOBACCO CONDITION
% Good to Excellent



CORN PERCENT SILKED



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 18, 2004
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Silking	89	65	76	80	32
Milk Stage	44	34	37	12	NA
Dough Stage	20	15	15	0	5
Soybeans					
Blooming	48	18	35	26	39
Setting Pods	18	3	12	0	6
Burley Tobacco					
Blooming	32	17	29	NA	NA
Topped	15	4	12	NA	NA
Dark Tobacco					
Blooming	36	29	39	NA	NA

SOIL MOISTURE
WEEK ENDING JULY 16, 2004
WITH COMPARISONS

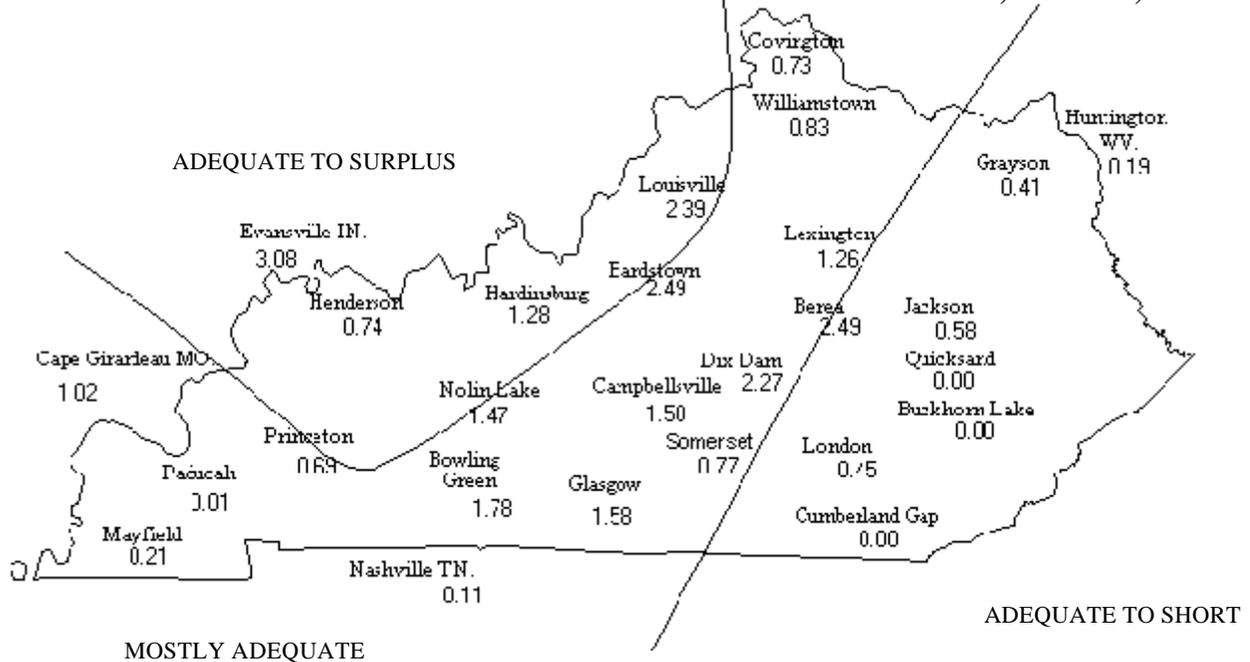
	This Week	Previous Week
TOPSOIL		
Very Short	3	2
Short	11	13
Adequate	76	71
Surplus	10	14
SUBSOIL		
Very Short	2	0
Short	8	15
Adequate	80	77
Surplus	10	8

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 16, 2004					WEEK ENDING JULY 9, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	3	18	46	33	0	5	17	42	36
Soybeans	0	4	14	52	30	0	3	15	49	33
Pasture	1	3	22	50	24	0	4	19	55	22
Tobacco	2	11	20	53	14	4	12	28	45	11
Hay Crops	1	6	17	56	20	2	7	24	51	16

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 18, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 16, 2004



KENTUCKY WEATHER SUMMARY, JULY 12 - 18, 2004:

NEAR NORMAL TEMPERATURES AND NEAR NORMAL PRECIPITATION:

For the second consecutive week, statewide temperature and precipitation averages have been near the climatic averages. A hot and humid airmass was in control of the weather for the beginning of the week. Lows were generally in the 70's, and highs ranged from the upper 80's to the middle 90's. On Tuesday heat indices were recorded in the 105-110 degree range. Severe thunderstorms sped across Kentucky late Tuesday into Wednesday bringing strong winds, lightning, and heavy rains. The second half of the week was under control of a cooler drier high pressure system from Canada. Temperatures dropped nearly 10 degrees with highs ranging in the upper 70's to the middle 80's. Late Friday and during the weekend another weak cold front moved through bringing some scattered showers, but skies were mostly sunny once again Sunday.

Temperatures for the period averaged 75 degrees across the State which was 1 degree below normal. High temperatures averaged from 87 degrees in the West to 84 degrees in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 68 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 0 degree from normal in the East. The extreme high temperature was 96 at Paducah. The extreme low temperature was 57 at Covington.

Rainfall for the period totaled 1.14 inches statewide which was 0.09 inches above normal. Precipitation totals by climate division, West 0.96 inches, Central 1.83 inches, Bluegrass 1.48 inches and East 0.30 inches, which was +0.03, +0.73, +0.42 and -0.83 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Buckhorn Lake to a high of 2.49 inches at Bardstown and Berea.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 18, 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	2.49	27.08	7.45	+12.17	+3.33	90	59	73.9	-2	163	2014	+157
Berea	2.49	20.24	5.84	+4.65	+1.96	93	60	75.4	-0	170	2121	+215
Bowling Green	1.78	22.08	4.97	+5.90	+0.83	92	63	76.4	+0	180	2151	+215
Bristol	0.53	14.38	2.39	+1.13	-1.30	88	30	71.2	-4	155	1922	+174
Buckhorn Lake	0.00	21.04	2.47	+6.22	-1.72	90	60	74.9	-1	170	1944	+274
Cape Girardeau	1.02	13.94	3.12	-1.21	-0.09	97	61	79.4	+1	192	2126	+93
Campbellsville	1.50	20.26	4.37	+3.05	-0.13	91	60	75.6	-1	170	2103	+227
Covington	0.73	17.12	2.99	+2.79	-0.75	88	57	73.4	-2	162	1858	+152
Cumberland Gap	0.00	15.68	1.46	-0.53	-3.02	90	60	74.9	-1	170	2001	+283
Dix Dam	2.27	23.07	6.23	+7.56	+2.13	89	59	74.4	-1	166	2034	+177
Evansville	3.08	15.92	3.83	+1.31	+0.32	93	64	76.9	-1	181	2145	+221
Glasgow	1.58	19.82	2.84	+2.53	-1.78	94	59	77.6	+1	181	2247	+401
Grayson	0.41	16.32	2.32	+1.77	-1.78	89	57	73.5	-2	160	1968	+359
Hardinsburg	1.28	21.36	2.74	+5.62	-1.29	91	63	75.3	-1	172	2094	+158
Henderson	0.74	15.79	1.63	+0.82	-2.01	91	63	75.5	-3	173	2090	+136
Huntington	0.19	13.92	1.62	-0.50	-2.48	89	57	73.7	-2	162	1985	+249
Jackson	0.58	23.96	5.04	+8.51	+0.72	87	59	72.6	-3	155	1912	+242
Lexington	1.26	23.32	4.37	+8.41	+0.25	88	57	73.1	-2	159	1927	+191
London	0.45	20.52	5.07	+5.96	+1.10	89	59	73.2	-2	159	1945	+227
Louisville	2.39	23.99	4.09	+9.06	+0.32	91	61	74.4	-2	166	2064	+140
Mayfield	0.21	11.78	1.28	-4.26	-2.45	90	60	74.9	-3	170	2037	+40
Nashville	0.11	18.53	1.78	+3.40	-1.72	94	66	78.8	+3	191	2257	+194
Nolin Lake	1.47	21.79	4.43	+4.93	+0.19	92	63	76.2	-0	177	2146	+367
Paducah	0.01	13.65	0.77	-2.78	-3.01	96	63	79.1	+1	191	2210	+195
Princeton	0.69	18.79	3.05	+2.69	-0.72	95	62	77.7	-0	180	2207	+223
Quicksand	0.00	23.50	3.19	+8.05	-1.13	90	60	74.9	-1	170	1944	+274
Somerset	0.77	17.47	2.88	+0.97	-1.37	90	61	74.9	-1	165	1950	+141
Spindletop	1.32	18.82	3.45	+3.91	-0.67	87	59	72.9	-3	158	1897	+161
Williamstown	0.83	15.68	1.90	+0.72	-1.99	89	58	73.8	-2	163	1960	+224

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/>

Livestock Weather Safety Index Chart

Dry Bulb Temp(F)	Relative Humidity Intervals (Percent)									
	10	20	30	40	50	60	70	80	90	100
78			70	71	72	74	75	75	77	78
80		70	72	73	74	75	77	78	79	80
82	70	71	73	74	75	76	78	79	81	82
84	71	72	74	75	77	78	80	81	83	84
86	72	74	75	77	78	80	81	83	84	86
88	73	75	76	78	80	81	83	85	87	88
90	74	76	78	79	81	83	85	87	88	90
92	75	77	79	81	83	84	86	88	90	
94	76	78	80	82	84	86	88	90		
96	77	79	81	84	86	88	90			
98	78	80	82	85	87	89				
100	79	82	84	86	88	91				

EMERGENCY STRESS - Index of 84 or Greater

DANGER STRESS - Index of 79 to 83

NO STRESS - Index of 78 or Less

DANGER - EXPECT 25% or more increase in transit loss!

EMERGENCY - EXPECT 45% or more increase in transit loss!

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