



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: Clipping pastures, harvesting hay, taking care of the cattle, and general farm maintenance were the main farm activities for the week. The State received limited showers with hot humid temperatures towards the beginning of the week. The Western areas of the State need a good soaking rain. Most of the crops look good throughout the State where they have received rain. Days suitable for fieldwork averaged 5.1 out of a possible six days. **Topsoil moisture** as of Friday, July 13 was rated 12 percent very short, 28 percent short, 53 percent adequate, and 7 percent surplus. **Subsoil moisture** was rated 17 percent very short, 36 percent short, 45 percent adequate, and 2 percent surplus.

CORN: The corn crop continued to look good, except for western Kentucky where corn was showing signs of stress due to heat and lack of rain. The condition of the corn was rated as 4 percent poor, 17 percent fair, 58 percent good, and 21 percent excellent, as of Friday, July 13. Eighty-two percent of the corn crop was silking compared to 78 percent a year ago, and 55 percent for the five year average. Corn in the milk stage was 33 percent as of July 15, this was up from last year when 21 percent of the corn was in the milk stage, and 11 percent for the five year average. Corn in the dough stage was 10 percent, compared with 9 percent a year ago and 3 percent for the five year average.

SOYBEANS: Like corn, soybeans were doing well where rain has been received in the past few weeks. The soybean crop condition was rated as 2 percent very poor, 6 percent poor, 22 percent fair, 53 percent good, and 17 percent

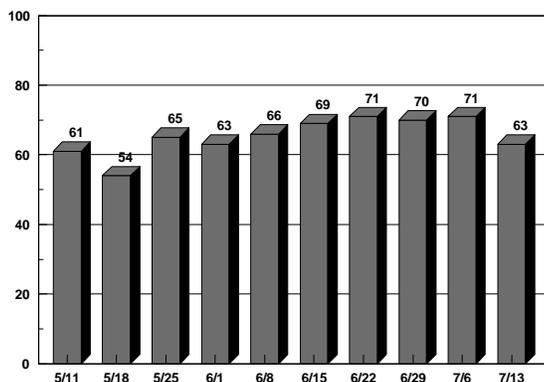
excellent. Forty percent of the crop was blooming as of July 15, this was the same as last year, while the five year average was 22 percent. Thirteen percent of the soybean crop was setting pods, the same percentage as last year, and up from the 5 percent for the five year average.

TOBACCO: Topping was the major tobacco activity for the week. The tobacco crop looked good overall. Reports of black shank and blue mold spreading were received in scattered areas. There were some reports of rain and storm damage in the crop in the eastern part of the State. Condition of the set tobacco was reported as 2 percent very poor, 6 percent poor, 29 percent fair, 53 percent good, and 10 percent excellent. As of July 15, 33 percent of the **burley** tobacco was blooming, and 13 percent has been topped. This compares with 24 and 12 percent respectively a year ago. The **dark tobacco** crop was 50 percent blooming, up from 34 percent a year ago, and 15 percent for the five year average.

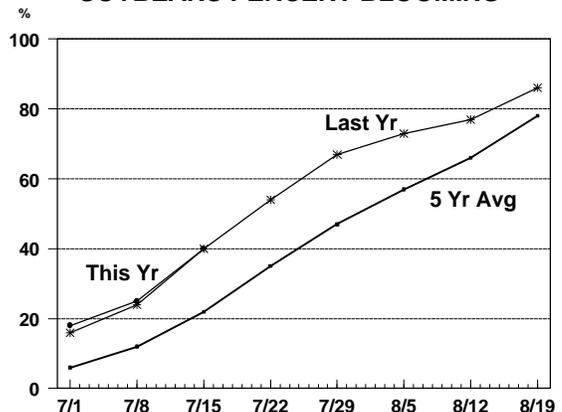
OTHER CROPS: One of the major farm activities this past week continued to be the cutting, baling, and storage of **hay** throughout the State. Grass growth was starting to show signs of stress from the dry weather. The hay crop was rated as 5 percent very poor, 8 percent poor, 30 percent fair, 50 percent good, and 7 percent excellent. **Pasture** conditions have declined from the previous week due to the lack of rain in the western portion of the State. Storms in the eastern part of the State provided some moisture. Conditions were rated as 6 percent very poor, 12 percent poor, 35 percent fair, 41 percent good, and 6 percent excellent.

BURLEY TOBACCO CONDITION

% Good to Excellent



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 15, 2001
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	40	40	22	25	22
Setting Pods	13	13	5	NA	NA
Corn					
Silking	82	78	55	69	16
Milk Stage	33	21	11	NA	NA
Burley Tobacco					
Blooming	33	24	11	NA	NA
Topped	13	12	5	NA	NA
Dark Tobacco					
Blooming	50	34	15	NA	NA

SOIL MOISTURE
WEEK ENDING JULY 13, 2001
WITH COMPARISONS

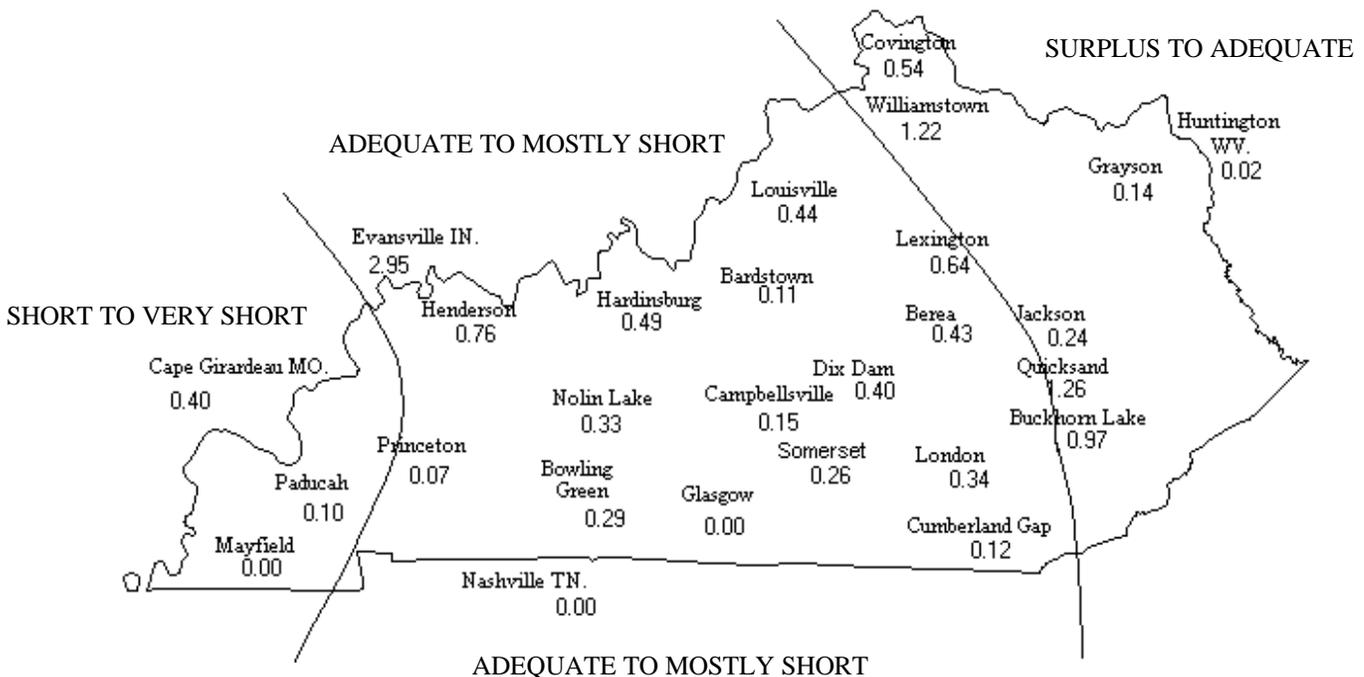
	This Week	Previous Week
TOPSOIL		
Very Short	12	10
Short	28	21
Adequate	53	60
Surplus	7	9
SUBSOIL		
Very Short	17	13
Short	36	28
Adequate	45	54
Surplus	2	5

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 13, 2001					WEEK ENDING JULY 6, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	0	4	17	58	21	0	4	17	58	21
Soybeans	2	6	22	53	17	2	5	22	55	16
Pasture	6	12	35	41	6	3	9	29	51	8
Tobacco	2	6	29	53	10	1	5	23	60	11
Hay Crops	5	8	30	50	7	3	10	27	52	8

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 15, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 13, 2001



KENTUCKY WEATHER SUMMARY, JULY 9 - 15, 2001:

BELOW NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

The first half of the workweek was hot and humid with Western sections of the State hitting the mid 90's, but cooler, drier conditions returned during the latter half of the week and weekend. Limited rainfall was received from scattered showers and thunderstorms mostly at the beginning of the workweek.

Temperatures for last week averaged 74 degrees across the State which was 2 degrees BELOW normal and 1 degree cooler than the previous week. High temperatures averaged from 87 in the West to 84 in the East. Departure from normal high temperatures ranged from 2 degrees BELOW normal in the West to 2 degrees BELOW normal in the East. Low temperatures averaged from 64 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from 2 degrees BELOW normal in the West to 4 degrees BELOW normal in the East. For the week, the West received 96 percent, Central 97 percent, Bluegrass 91 percent and East 80 percent of normal Corn Growing Degree Days (base 50 mod). Livestock heat stress was a factor during the first half of the workweek with Western locations receiving nearly 30 hours where the Livestock Safety Index was in the "Danger" category but considerably less for the Eastern half of the State.

Rainfall for the period totaled 0.49 inches statewide which was 0.57 inches BELOW normal and less than 50 percent of normal rainfall. Out of the past 5 weeks, only one week has received above normal rainfall for the State as a whole and that was 4 weeks ago. Rainfall totals by climate division, West 0.71 inches, Central 0.28 inches, Bluegrass 0.54 inches and East 0.42 inches, which was 0.21, 0.83, 0.52 and 0.71 inches respectively BELOW normal. By Kentucky weather station, rainfall totals ranged from a low of 0.00 inches at Glasgow to a high of 1.26 inches at Quicksand. Since April 1st, the West had received 76 percent, Central 87 percent, Bluegrass 90 percent and East 96 percent of normal rainfall.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 15, 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	0.11	12.05	2.65	-2.38	-1.36	94	54	74.4	-2	163	1885	+100
Berea	0.43	11.52	1.86	-3.64	-1.99	90	51	71.5	-4	145	1823	-8
Bowling Green	0.29	11.60	2.34	-4.12	-1.76	92	56	75.7	-0	170	2046	+185
Bristol	0.10	13.19	6.13	+0.36	+2.51	87	51	71.1	-4	145	1771	+92
Buckhorn Lake	0.97	17.03	6.73	+2.68	+2.59	87	53	71.7	-4	149	1821	+217
Cape Girardeau	0.40	9.95	2.56	-4.85	-0.66	96	55	76.8	-1	175	2064	+112
Campbellsville	0.15	12.47	2.71	-4.22	-1.69	94	53	74.6	-1	161	1925	+124
Covington	0.54	13.20	2.88	-0.72	-0.84	89	55	71.9	-3	150	1726	+92
Cumberland Gap	0.12	11.49	4.25	-4.21	-0.15	89	54	72.9	-2	158	1882	+233
Dix Dam	0.40	11.57	2.21	-3.46	-1.78	91	54	72.9	-2	154	1850	+65
Evansville	2.95	13.21	6.42	-1.00	+2.95	93	58	75.1	-3	170	2026	+180
Glasgow	0.00	12.17	2.42	-4.61	-2.14	95	53	76.2	+0	169	2008	+237
Grayson	0.14	15.03	1.64	+0.95	-2.38	90	52	72.9	-2	155	1805	+262
Hardinsburg	0.49	10.87	1.96	-4.41	-1.99	94	57	75.4	-1	168	1998	+137
Henderson	0.76	9.06	2.25	-5.52	-1.37	94	57	75.4	-2	167	2010	+134
Huntington	0.02	14.42	1.16	+0.47	-2.83	91	52	72.7	-3	153	1792	+128
Jackson	0.24	12.56	3.91	-2.38	-0.29	87	54	71.2	-4	147	1802	+198
Lexington	0.64	11.11	2.15	-3.32	-1.86	90	53	72.4	-3	152	1865	+201
London	0.34	14.94	4.09	+0.84	+0.22	89	53	71.9	-3	149	1773	+124
Louisville	0.44	11.13	1.61	-3.36	-2.07	92	57	73.9	-2	162	1960	+114
Mayfield	0.00	6.70	0.65	-8.90	-2.98	95	55	74.4	-3	164	1912	-10
Nashville	0.00	13.48	3.71	-1.26	+0.24	94	62	79.5	+3	191	2117	+135
Nolin Lake	0.33	14.23	3.41	-2.14	-0.73	92	56	75.7	-0	172	2024	+314
Paducah	0.10	8.51	1.15	-7.52	-2.63	96	55	76.4	-2	168	2092	+155
Princeton	0.07	10.06	1.86	-5.63	-1.88	96	55	77.8	-0	175	2147	+241
Quicksand	1.26	18.42	7.15	+3.48	+2.95	89	54	71.9	-3	148	1813	+209
Somerset	0.26	12.92	3.28	-3.11	-0.92	90	52	72.0	-3	149	1838	+98
Spindletop	0.00	9.60	1.77	-4.83	-2.24	90	53	70.6	-5	140	1766	+102
Williamstown	1.22	15.38	5.09	+0.86	+1.26	91	56	73.5	-2	158	1832	+168

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: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.gwx.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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