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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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AGRICULTURAL NEWS: Topping and spraying tobacco and making hay were the main farm activities for the week. Rainfall was spotty throughout the State with many areas receiving a considerable amount. Days suitable for fieldwork averaged 4.8 out of a possible six days. **Topsoil moisture** as of Friday, July 20 was rated 10 percent very short, 36 percent short, 50 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 18 percent very short, 36 percent short, 44 percent adequate, and 2 percent surplus.

CORN: The corn crop continued to look promising. The condition of the crop was rated as 2 percent very poor, 6 percent poor, 22 percent fair, 47 percent good, and 23 percent excellent, as of Friday, July 20. Eighty-nine percent of the corn crop was silking compared to 84 percent a year ago, and 70 percent for the five year average. Corn in the milk stage reached 60 percent compared to 53 percent a year ago, and 33 percent for the five year average. Thirty-two percent of the corn crop had reached the dough stage compared to 27 percent last year and 13 percent for the five year average.

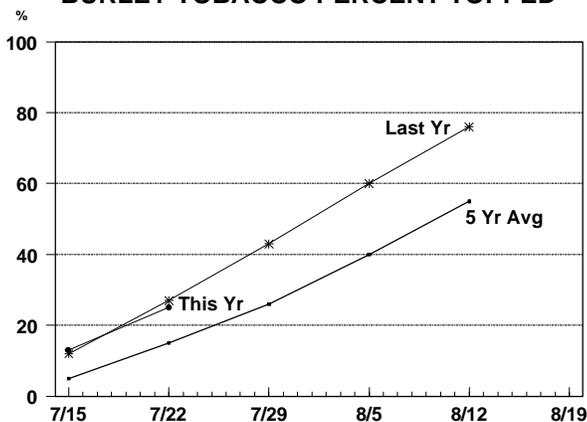
SOYBEANS: Fifty-three percent of the soybean crop was blooming as of Sunday, July 22. Spraying soybeans for weeds was reported in many areas. Crop condition was rated as 3 percent very poor, 9 percent

poor, 18 percent fair, 50 percent good, and 20 percent excellent. Twenty-seven percent of the crop was setting pods as of July 22, compared with 26 percent last year, and the five year average of 14 percent.

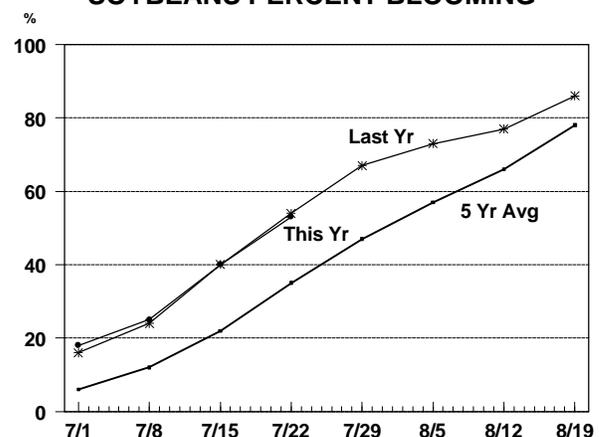
TOBACCO: The tobacco crop continued to look good overall; however, several reports of blue mold and black shank were received. Condition of the set tobacco was reported as 2 percent very poor, 8 percent poor, 26 percent fair, 52 percent good, and 12 percent excellent. As of Sunday, July 22, 50 percent of the **burley** crop was blooming compared to 50 percent last year and the five year average of 32 percent. Twenty-five percent of the burley crop was topped compared to 27 percent last year and the five year average of 15 percent. Forty-two percent of the **dark tobacco** crop was topped which equals last year compared to the five year average of 25 percent.

OTHER CROPS: Cutting and baling **hay** continued as one of the major farm activities this past week. Many areas of the State received rain during the week, which made it difficult to make hay. Condition of the hay crop was reported as 10 percent very poor, 15 percent poor, 33 percent fair, 38 percent good, and 4 percent excellent. **Pasture** conditions have declined slightly in drier areas over the past week. Conditions were rated as 8 percent very poor, 14 percent poor, 34 percent fair, 41 percent good, and 3 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 22, 2001

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	53	54	35	40	41
Setting Pods	27	26	14	13	9
Corn					
Silking	89	84	70	82	31
Milk Stage	60	53	33	33	NA
Dough Stage	32	27	13	10	5
Burley Tobacco					
Blooming	50	50	32	33	NA
Topped	25	27	15	13	NA
Dark Tobacco					
Topped	42	42	25	NA	NA

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JULY 20, 2001

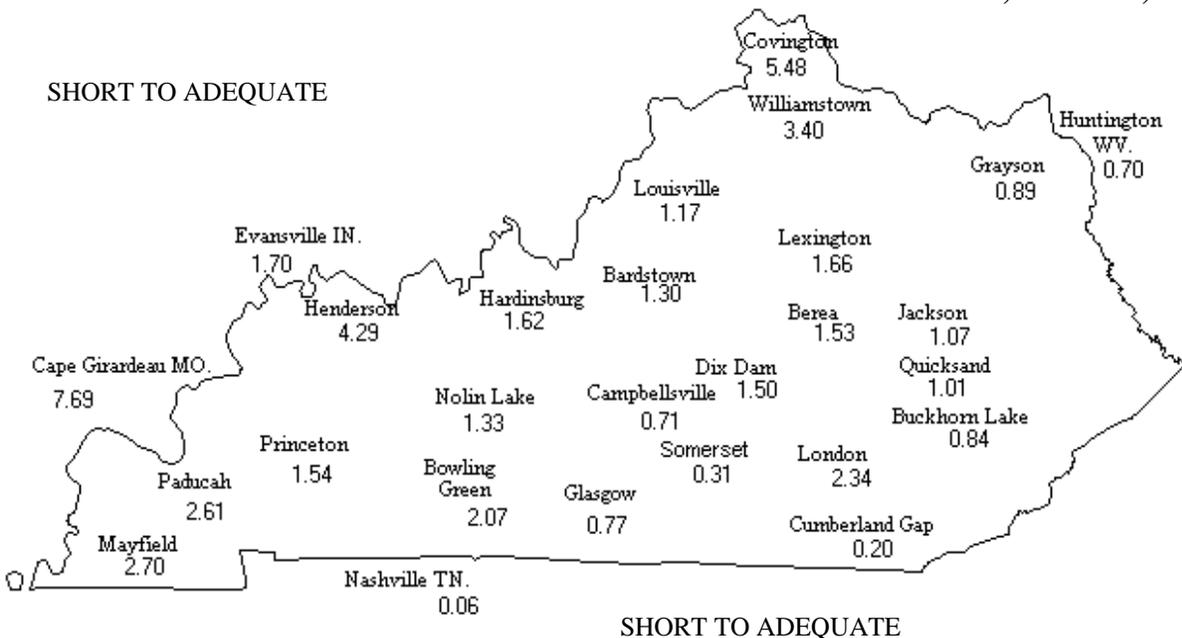
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	10	12
Short	36	28
Adequate	50	53
Surplus	4	7
SUBSOIL		
Very Short	18	17
Short	36	36
Adequate	44	45
Surplus	2	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 20, 2001					WEEK ENDING JULY 13, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	2	6	22	47	23	0	4	17	58	21
Soybeans	3	9	18	50	20	2	6	22	53	17
Pasture	8	14	34	41	3	6	12	35	41	6
Hay Crops	10	15	33	38	4	5	8	30	50	7
Tobacco	2	8	26	52	12	2	6	29	53	10

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 22, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 20, 2001



KENTUCKY WEATHER SUMMARY, JULY 16 - 22, 2001:

ABOVE NORMAL TEMPERATURES AND RAINFALL:

Hot and humid conditions across the State with some areas receiving heavy rains that caused some local flooding last week. Highs were in the upper 80s to 90s across Kentucky with lows in the 70s. These temperatures along with the high humidities created heat indices in the 100s and livestock heat stress conditions. Fog was reported statewide on several mornings. Some Western parts of Kentucky received over 5 inches of rain. While much of this was runoff, the rain was beneficial toward reducing drought conditions in the West.

Temperatures for the period averaged 78 degrees across the State which was 1 degree ABOVE NORMAL. High temperatures averaged from 89 in the West to 85 in the East. Departure from normal high temperatures ranged from 1 degree BELOW NORMAL in the West to 1 degree BELOW NORMAL in the East. Low temperatures averaged from 70 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 3 degrees ABOVE NORMAL in the West to 1 degree ABOVE NORMAL in the East.

Rainfall for the period totaled 2.08 inches statewide which was 1.03 inches ABOVE NORMAL. Precipitation totals by climate division, West 3.40 inches, Central 1.38 inches, Bluegrass 2.63 inches and East 0.92 inches, which was +2.48, +0.27, +1.57 and -0.21 inches respectively from normal. By Kentucky station, precipitation totals ranged from a low of 0.20 inches at Cumberland Gap to a high of 5.48 inches at Covington.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 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	1.30	13.35	3.27	-2.21	-1.01	90	60	78.1	+2	187	2072	+119
Berea	1.53	13.05	2.74	-3.11	-1.19	88	56	76.1	+1	178	2001	-5
Bowling Green	2.07	13.67	3.59	-3.12	-0.61	91	58	78.9	+3	192	2238	+202
Bristol	0.22	13.41	4.84	-0.40	+1.07	87	56	73.4	-2	160	1931	+91
Buckhorn Lake	0.84	17.87	6.38	+2.43	+2.12	88	57	75.4	-0	174	1995	+237
Cape Girardeau	7.69	17.64	9.01	+2.04	+5.80	94	62	79.1	+1	190	2254	+113
Campbellsville	0.71	13.18	2.90	-4.72	-1.74	90	58	78.1	+2	184	2109	+133
Covington	5.48	18.68	7.68	+3.80	+3.90	90	58	77.4	+2	188	1914	+112
Cumberland Gap	0.20	11.69	3.03	-5.20	-1.56	87	59	75.1	-0	174	2056	+246
Dix Dam	1.50	13.07	3.04	-3.08	-1.21	89	58	77.3	+2	184	2034	+81
Evansville	1.70	14.91	4.80	-0.22	+1.23	90	61	79.4	+1	194	2220	+192
Glasgow	0.77	12.94	2.95	-5.04	-1.74	92	58	79.9	+4	191	2199	+253
Grayson	0.89	15.92	2.04	+0.74	-2.18	88	57	76.2	+1	178	1983	+286
Hardinsburg	1.62	12.49	2.88	-3.87	-1.26	91	58	79.4	+3	193	2191	+155
Henderson	4.29	13.35	5.32	-2.15	+1.66	94	54	78.7	+1	189	2199	+141
Huntington	0.70	15.12	1.54	+0.06	-2.70	88	56	76.2	+1	178	1970	+138
Jackson	1.07	13.63	3.77	-2.50	-0.72	87	62	75.1	-0	173	1975	+217
Lexington	1.66	12.77	3.12	-2.79	-1.16	89	60	77.6	+2	186	2051	+219
London	2.34	17.28	5.14	+2.10	+1.04	88	57	75.4	-0	174	1947	+137
Louisville	1.17	12.30	2.45	-3.21	-1.44	90	61	79.0	+3	193	2153	+125
Mayfield	2.70	9.40	2.90	-7.22	-0.96	88	59	77.5	-1	186	2098	+1
Nashville	0.06	13.54	3.50	-2.10	-0.03	91	67	79.7	+3	199	2316	+145
Nolin Lake	1.33	15.56	4.04	-1.95	-0.33	91	59	79.0	+3	192	2216	+345
Paducah	2.61	11.12	2.87	-5.85	-0.91	94	60	79.4	+1	193	2285	+166
Princeton	1.54	11.40	2.22	-5.25	-1.59	94	61	81.2	+3	197	2344	+256
Quicksand	1.01	19.43	7.17	+3.30	+2.68	88	57	75.4	-0	175	1988	+230
Somerset	0.31	13.23	2.84	-3.90	-1.48	89	58	76.4	+1	176	2014	+113
Spindletop	2.22	11.82	3.28	-3.74	-1.00	89	58	77.4	+2	186	1952	+120
Williamstown	3.40	18.78	6.38	+3.24	+2.41	89	58	76.9	+1	183	2015	+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: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

CROP PROGRESS PERCENT FOR WEEK ENDING JULY 15, 2001

SOYBEANS SETTING PODS					CORN SILKING					CORN DOUGH				
	Curr	Last Wk	2000	Avg	State	Curr	Last Wk	2000	Avg	State	Curr	Last Wk	2000	Avg
AR	20	NA	7	8	CO	13	11	11	8	CO	0	NA	0	0
IL	12	NA	13	6	IL	62	29	68	35	IL	8	NA	8	3
IN	17	NA	14	7	IN	52	23	61	30	IN	2	NA	3	2
IA	3	NA	19	9	IA	6	1	46	20	IA	0	NA	0	0
KS	9	NA	16	9	KS	78	49	77	57	KS	11	NA	14	11
KY	13	NA	13	5	KY	82	69	78	55	KY	10	NA	9	3
LA	57	NA	43	35	MI	6	0	4	10	MI	0	NA	0	0
MI	7	NA	1	7	MN	1	0	25	22	MN	0	NA	0	0
MN	0	NA	4	4	MO	72	46	88	59	MO	17	NA	17	11
MS	70	NA	58	42	NE	27	7	41	24	NE	0	NA	4	1
MO	4	NA	17	6	NC	87	75	87	77	NC	40	NA	48	45
NE	4	NA	13	4	ND	5	1	20	14	ND	0	NA	0	0
NC	0	NA	0	0	OH	23	3	27	15	OH	1	NA	0	0
ND	6	NA	8	5	PA	15	2	20	18	PA	1	NA	3	1
OH	7	NA	11	7	SD	0	0	13	4	SD	0	NA	0	0
SD	2	NA	19	9	TN	95	89	90	79	TN	30	NA	16	15
TN	12	NA	4	4	TX	76	67	82	75	TX	57	NA	62	57
WI	0	NA	0	0	WI	0	0	3	8	WI	0	NA	0	0
18 States	9	NA	14	8	18 States	31	16	46	28	18 States	5	NA	6	4

These 18 States planted 95% of last year's soybean acreage.

*Revised.

These 18 States planted 92% of last year's corn acreage.

*Revised.

These 18 States planted 92% of last year's corn acreage.

CROP CONDITION PERCENT FOR WEEK ENDING JULY 15, 2001

SOYBEANS						CORN					
State	VP	P	F	G	EX	State	VP	P	F	G	EX
AR	2	10	41	41	6	CO	0	2	10	74	14
IL	1	7	30	48	14	IL	1	4	21	54	20
IN	1	5	24	58	12	IN	1	3	18	58	20
IA	4	14	33	42	7	IA	4	11	30	44	11
KS	1	7	38	47	7	KS	3	7	36	44	10
KY	2	6	22	53	17	KY	0	4	17	58	21
LA	2	5	35	49	9	MI	4	11	31	46	8
MI	5	12	32	47	4	MN	4	14	40	37	5
MN	5	13	41	37	4	MO	3	9	28	43	17
MS	0	3	18	56	23	NE	1	4	23	51	21
MO	6	17	39	33	5	NC	0	2	16	62	20
NE	1	6	33	47	13	ND	0	3	19	62	16
NC	0	2	21	70	7	OH	1	5	24	54	16
ND	0	6	20	56	18	PA	0	3	28	48	21
OH	2	8	30	48	12	SD	1	2	21	57	19
SD	1	5	24	55	15	TN	0	4	18	49	29
TN	0	3	23	59	15	TX	2	13	35	46	4
WI	3	8	36	42	11	WI	3	15	31	35	16
18 States	2	9	32	47	10	18 States	2	7	26	50	15
Prev Week	2	8	29	50	11	Prev Week	1	6	24	53	16
Prev Year	2	7	25	49	17	Prev Year	2	5	18	50	25

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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