



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

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

LELAND E. BROWN, State Statistician

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TNS 18-02

AGRICULTURAL NEWS: Topping tobacco and spraying soybeans, making hay and clipping pastures were the main farm activities for the week. The week was above normal for temperatures and below normal for precipitation for the State. Days suitable for fieldwork averaged 5.2 days out of a possible seven. **Topsoil moisture** as of Friday, July 19 was rated 12 percent very short, 35 percent short, 47 percent adequate, and 6 percent surplus. **Subsoil moisture** was rated 9 percent very short, 41 percent short, 45 percent adequate, and 5 percent surplus.

CORN: The corn crop outlook continued to be mixed. In those areas of sufficient rain the reports are very good. Outside of those areas the reports are less optimistic and there were several reports of corn twisting. The condition of the crop was rated as 1 percent very poor, 6 percent poor, 32 percent fair, 48 percent good, and 13 percent excellent, as of Friday, July 19. Seventy percent of the corn crop was silking compared to 88 percent a year ago, and 75 percent for the five year average. Corn in the milk stage reached 33 percent compared to 56 percent a year ago, and 38 percent for the five year average. Fifteen percent of the corn crop had reached the dough stage compared to 29 percent last year and 17 percent for the five year average.

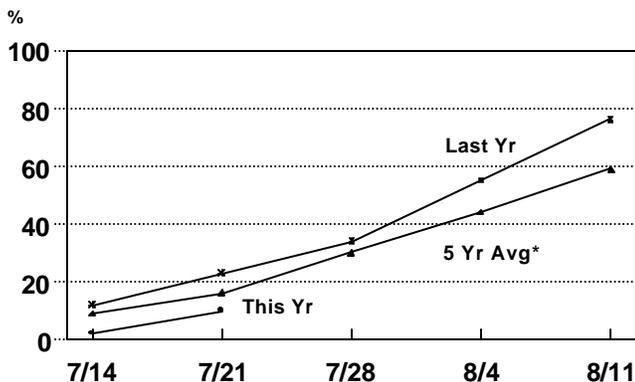
SOYBEANS: Forty-one percent of the soybean crop was blooming as of Sunday, July 21, compared to 51

percent last year, and 39 percent for the five year average. Spraying soybeans for weeds was reported in many areas. Crop condition was rated as 2 percent very poor, 7 percent poor, 27 percent fair, 49 percent good, and 15 percent excellent. Ten percent of the crop was setting pods as of July 21, compared with 25 percent last year, and the five year average of 16 percent.

TOBACCO: The tobacco crop report continued to be mixed. Reports of black shank have been received statewide. Condition of the set tobacco was reported as 3 percent very poor, 10 percent poor, 29 percent fair, 45 percent good, and 13 percent excellent. As of Sunday, July 21, 30 percent of the **burley** crop was blooming compared to 48 percent last year and the five year average of 34 percent. Ten percent of the burley crop was topped compared to 23 percent last year and the five year average of 16 percent. Twenty seven percent of the **dark tobacco** crop was topped compared with 36 percent last year, and the five year average of 28 percent.

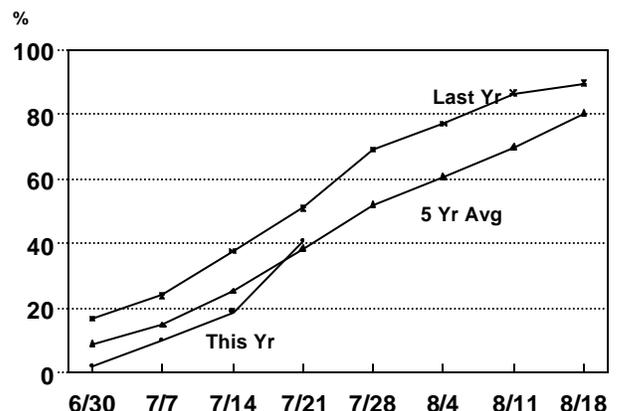
OTHER CROPS: Cutting and baling **hay** and clipping pastures represented a significant part of farm activities for the week. Condition of the hay crop was reported as 2 percent very poor, 11 percent poor, 33 percent fair, 43 percent good, and 11 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



*7/14 and 7/21, 3-Yr Avg

SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 21, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	41	51	39	19	39
Setting Pods	10	25	16	5	6
Corn					
Silking	70	88	75	57	24
Milk Stage	33	56	38	30	NA
Dough Stage	15	29	17	0	3
Burley Tobacco					
Blooming	30	48	34	10	NA
Topped	10	23	16	2	NA
Dark Tobacco					
Topped	27	36	28	NA	NA

SOIL MOISTURE
WEEK ENDING JULY 19, 2002
WITH COMPARISONS

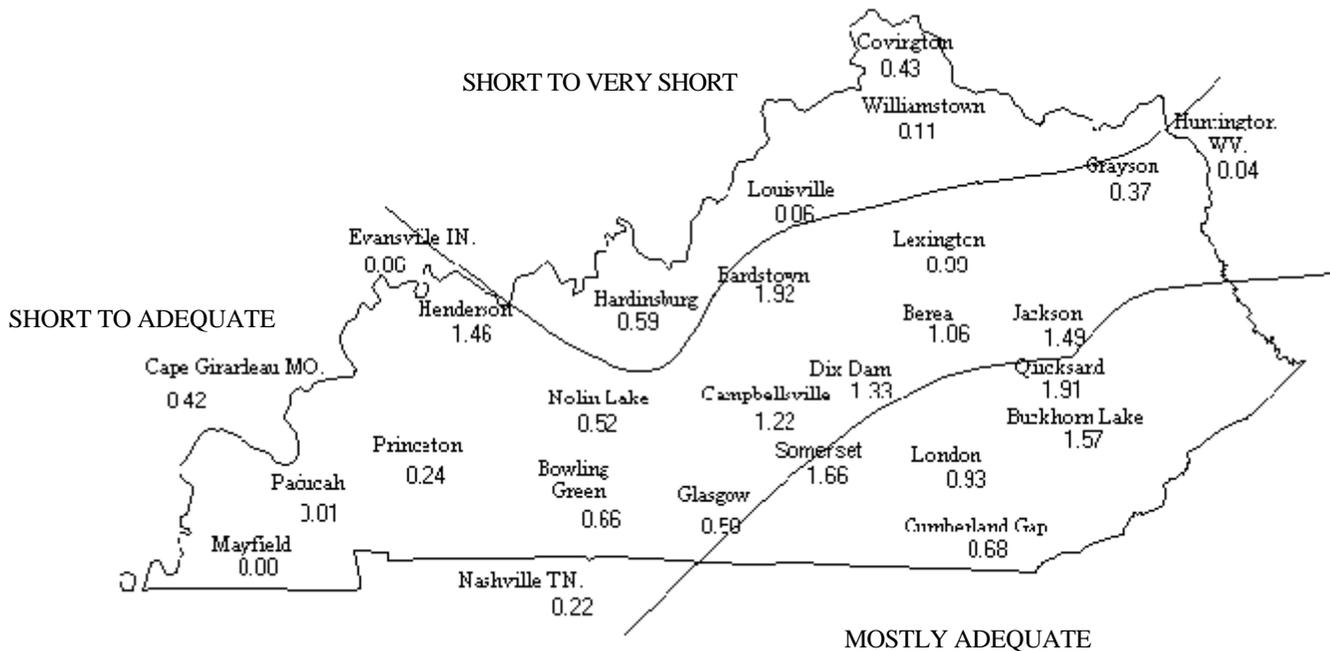
	This Week	Previous Week
TOPSOIL		
Very Short	12	19
Short	35	33
Adequate	47	45
Surplus	6	3
SUBSOIL		
Very Short	9	14
Short	41	33
Adequate	45	51
Surplus	5	2

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 19, 2002					WEEK ENDING JULY 12, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	6	32	48	13	3	10	31	40	16
Soybeans	2	7	27	49	15	1	6	28	51	14
Pasture	4	14	33	40	9	3	14	32	41	10
Hay Crops	2	11	33	43	11	1	10	34	47	8
Tobacco	3	10	29	45	13	3	11	29	43	14

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 21, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 19, 2002



KENTUCKY WEATHER SUMMARY, JULY 15 - 21, 2002:

ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Temperatures for the week averaged above normal for the State. Early in the week, temperatures remained near or slightly above normal. Late in the week, following a weak frontal passage, southerly flow resulted in an increase in both temperature and humidity across the State. Rainfall for the period was below normal while heat and humidity lead to the development of scattered air mass thunderstorms through much of the week. The frontal passage late in the week also contributed to beneficial rainfall mainly east.

Temperatures for the period averaged 78 degrees across the State which was 2 degrees above normal. High temperatures averaged from 89 in the West to 86 in the East. Departure from normal high temperatures ranged from near normal in the West to near normal in the East. Low temperatures averaged from 70 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 3 degrees above normal in the West to 3 degrees above normal in the East. Extreme highs were in the mid-90s, while extreme lows were in the mid-60s.

Rainfall for the period totaled 0.73 inches statewide which was 0.33 inches below normal. Rainfall totals by climate division, West 0.37 inches, Central 0.71 inches, Bluegrass 0.76 inches and East 1.08 inches, which was 0.56, 0.40, 0.30 and 0.05 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Mayfield to a high of 1.92 inches at Bardstown.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 21, 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	1.92	21.06	4.25	+5.66	+0.01	93	66	78.7	+2	190	2096	+167
Berea	1.06	25.21	6.44	+9.20	+2.52	89	64	77.3	+2	186	2141	+160
Bowling Green	0.66	16.34	2.38	-0.30	-1.80	92	65	80.3	+4	196	2139	+128
Bristol	0.92	9.15	4.56	-4.52	+0.81	91	63	76.9	+1	180	2010	+193
Buckhorn Lake	1.57	16.51	5.76	+1.22	+1.51	89	65	76.4	+1	181	2000	+264
Cape Girardeau	0.42	21.96	1.13	+6.47	-2.08	94	65	79.3	+1	190	2217	+103
Campbellsville	1.22	20.02	6.08	+2.29	+1.47	92	66	78.4	+2	189	2177	+226
Covington	0.43	18.35	1.20	+3.61	-2.57	93	60	77.1	+2	176	1863	+85
Cumberland Gap	0.68	11.11	4.42	-5.61	-0.14	91	65	77.4	+2	185	2070	+283
Dix Dam	1.33	20.17	4.20	+4.18	-0.02	91	65	78.0	+3	189	2075	+146
Evansville	0.06	18.83	1.45	+3.83	-2.10	94	65	80.2	+2	195	2140	+138
Glasgow	0.50	18.82	6.63	+1.01	+1.96	94	65	79.5	+3	190	2280	+359
Grayson	0.37	14.90	2.88	-0.12	-1.31	90	65	77.1	+2	185	1986	+311
Hardinsburg	0.59	17.23	1.67	+1.03	-2.45	93	65	79.7	+3	194	2100	+89
Henderson	1.46	22.67	2.32	+7.30	-1.33	95	64	80.1	+2	195	2183	+151
Huntington	0.04	14.91	3.04	+0.01	-1.16	90	65	76.9	+1	182	1978	+170
Jackson	1.49	17.90	4.49	+1.94	+0.04	88	64	76.0	+1	179	2011	+275
Lexington	0.99	13.60	2.29	-1.80	-1.95	92	64	78.6	+3	189	1996	+188
London	0.93	13.99	4.11	-1.03	+0.04	90	64	76.4	+1	181	1981	+194
Louisville	0.06	17.34	0.96	+1.97	-2.90	92	66	79.1	+3	192	2079	+77
Mayfield	0.00	12.51	0.25	-3.96	-3.58	92	65	78.2	+0	188	2089	+17
Nashville	0.22	13.88	5.12	-1.63	+1.60	91	69	79.5	+3	197	2282	+138
Nolin Lake	0.52	16.28	2.00	-1.07	-2.34	92	65	80.2	+4	196	2091	+243
Paducah	0.01	18.31	1.60	+1.47	-2.18	96	68	80.3	+2	196	2252	+159
Princeton	0.24	18.48	2.56	+1.96	-1.24	96	65	79.6	+2	191	2314	+252
Quicksand	1.91	18.17	6.46	+2.21	+2.01	88	64	76.4	+1	181	2005	+269
Somerset	1.66	17.67	6.28	+0.70	+1.98	91	64	77.0	+2	184	2029	+151
Spindletop	0.64	11.91	0.97	-3.49	-3.27	92	63	77.9	+2	185	1938	+130
Williamstown	0.11	15.90	2.53	+0.50	-1.42	93	64	78.6	+3	186	2044	+236

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 14, 2002

SOYBEANS SETTING PODS

	Curr	Last Wk	2001	Avg
AR	16	NA	18	8
IL	2	NA	11	7
IN	3	NA	15	9
IA	12	NA	3	8
KS	5	NA	8	9
KY	5	NA	11	7
LA	26	NA	56	39
MI	1	NA	6	5
MN	4	NA	0	3
MS	41	NA	69	47
MO	3	NA	3	5
NE	10	NA	3	4
NC	0	NA	0	0
ND	6	NA	5	4
OH	0	NA	6	7
SD	7	NA	2	8
TN	8	NA	15	6
WI	0	NA	0	0
18 States	6	NA	8	7

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

CORN SILKING

State	Curr	Last Wk	2001	Avg
CO	11	8	13	7
IL	29	9	57	42
IN	9	2	48	36
IA	25	5	5	18
KS	45	23	74	57
KY	57	48	80	61
MI	1	0	5	10
MN	8	1	1	18
MO	65	45	68	61
NE	31	7	24	23
NC	89	75	85	75
ND	5	1	4	12
OH	4	1	20	17
PA	13	3	13	15
SD	1	0	0	3
TN	93	80	94	78
TX	88	76	75	72
WI	3	0	2	6
18 States	24	11	29	28

These 18 States planted 93% of last year's corn acreage.

CORN DOUGH

State	Curr	Last Wk	2001	Avg
CO	0	NA	0	0
IL	2	NA	7	4
IN	0	NA	2	2
IA	0	NA	0	0
KS	8	NA	10	12
KY	0	NA	9	4
MI	0	NA	0	0
MN	0	NA	0	0
MO	14	NA	15	10
NE	0	NA	0	1
NC	41	NA	37	40
ND	0	NA	0	0
OH	0	NA	1	1
PA	0	NA	1	1
SD	0	NA	0	0
TN	19	NA	33	16
TX	63	NA	56	56
WI	0	NA	0	0
18 States	3	NA	5	4

These 18 States planted 93% of last year's corn acreage.

CROP CONDITION PERCENT FOR WEEK ENDING JULY 14, 2002

SOYBEANS

State	VP	P	F	G	EX
AR	3	9	34	45	9
IL	3	14	41	36	6
IN	3	11	35	47	4
IA	2	7	26	52	13
KS	2	9	33	50	6
KY	1	6	28	51	14
LA	8	17	32	38	5
MI	4	9	33	48	6
MN	2	6	28	53	11
MS	1	6	22	47	24
MO	5	14	44	33	4
NE	9	26	41	22	2
NC	5	11	38	45	1
ND	6	13	27	48	6
OH	7	15	39	34	5
SD	7	16	36	38	3
TN	1	6	30	54	9
WI	2	5	20	54	19
18 States	4	12	34	42	8
Prev Week	3	11	34	43	9
Prev Year	2	9	32	47	10

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

CORN

State	VP	P	F	G	EX
CO	3	13	33	44	7
IL	5	15	37	37	6
IN	4	11	37	42	6
IA	2	9	28	47	14
KS	9	20	35	30	6
KY	3	10	31	40	16
MI	3	9	36	46	6
MN	1	8	29	50	12
MO	5	16	40	34	5
NE	9	16	34	33	8
NC	20	22	38	20	0
ND	10	12	31	45	2
OH	6	16	40	34	4
PA	2	6	36	46	10
SD	10	16	33	36	5
TN	3	10	31	47	9
TX	11	23	26	29	11
WI	2	6	21	50	21
18 States	5	13	33	40	9
Prev Week	4	11	32	43	10
Prev Year	2	7	26	50	15

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

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