



# KENTUCKY WEEKLY CROP & WEATHER REPORT



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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:** The majority of the State received varying amounts of rainfall throughout the week; however, most areas are still in need of additional showers. Major activities during the week included spraying and topping tobacco, making hay and clipping pastures. Days suitable for fieldwork averaged 4.9 out of a possible six. **Topsoil moisture** as of Friday, July 21 was rated 9 percent very short, 18 percent short, 60 percent adequate and 13 percent surplus. **Subsoil moisture** was rated 12 percent very short, 27 percent short, 54 percent adequate and 7 percent surplus. South Central Kentucky was becoming the driest area of the State.

**CORN:** Condition as of Friday, July 21 was reported as 1 percent very poor, 5 percent poor, 20 percent fair, 46 percent good, and 28 percent excellent. As of July 23, 85 percent of the crop had silked slightly behind last year's 91 percent, but ahead of the 5 year average of 69 percent. Fifty-eight percent had reached the milk stage compared to 56 percent last year and the 5 year average of 32 percent. Corn in the dough stage reached 30 percent compared to 28 percent last year and the 5 year average of 17 percent. Few reports of disease and insect problems were received.

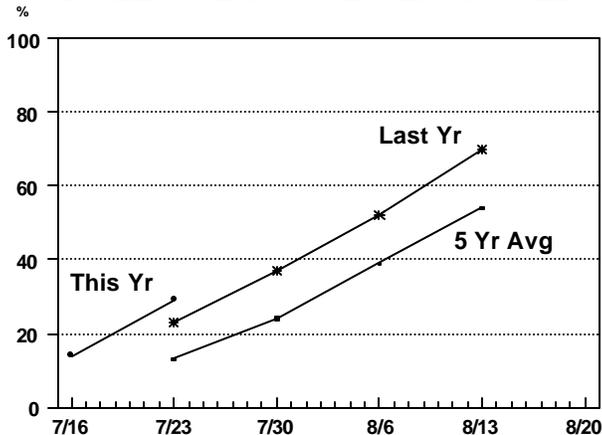
**SOYBEANS:** Crop condition as of July 21 was reported as 1 percent very poor, 4 percent poor, 23

percent fair, 47 percent good, and 25 percent excellent. The crop was 56 percent blooming, ahead of last year's 54 percent. Soybeans setting pods were reported at 28 percent as of July 23 compared to last year's 26 percent. Both blooming and setting pods were ahead of the 5 year average.

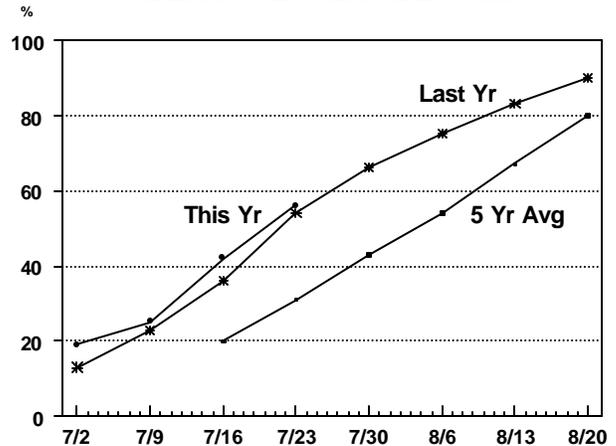
**TOBACCO:** Disease and insect problems remain minor for this time of the growing season. Black shank is the most commonly reported disease across the State; while reports of blue mold remain limited. By Sunday, July 23, 54 percent of **burley** tobacco was blooming compared to 47 percent last year and 29 percent of the crop had been topped compared to 23 percent last year. Burley development was also ahead of the 5 year average. **Dark tobacco** was 42 percent topped slightly ahead of last year's 41 percent. Condition of all set tobacco was reported as 2 percent very poor, 5 percent poor, 18 percent fair, 56 percent good, and 19 percent excellent.

**OTHER CROPS:** **Hay** crops were reported as 2 percent very poor, 6 percent poor, 25 percent fair, 50 percent good, and 17 percent excellent. **Pasture** condition as of Friday, July 21 was rated 2 percent very poor, 8 percent poor, 24 percent fair, 53 percent good and 13 percent excellent. Farmers were busy cutting and baling hay and clipping pastures.

**BURLEY TOBACCO PERCENT TOPPED**



**SOYBEANS PERCENT BLOOMING**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING JULY 23, 2000  
WITH COMPARISONS

**SOIL MOISTURE**  
WEEK ENDING JULY 21, 2000  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	56	54	31	42	58
Setting Pods	28	26	12	14	15
Corn					
Silking	85	91	69	78	49
Milk Stage	58	56	32	24	NA
Dough Stage	30	28	17	10	6
Burley Tobacco					
Blooming	54	47	30	28	NA
Topped	29	23	13	14	NA
Dark Tobacco					
Topped	42	41	29	40	NA

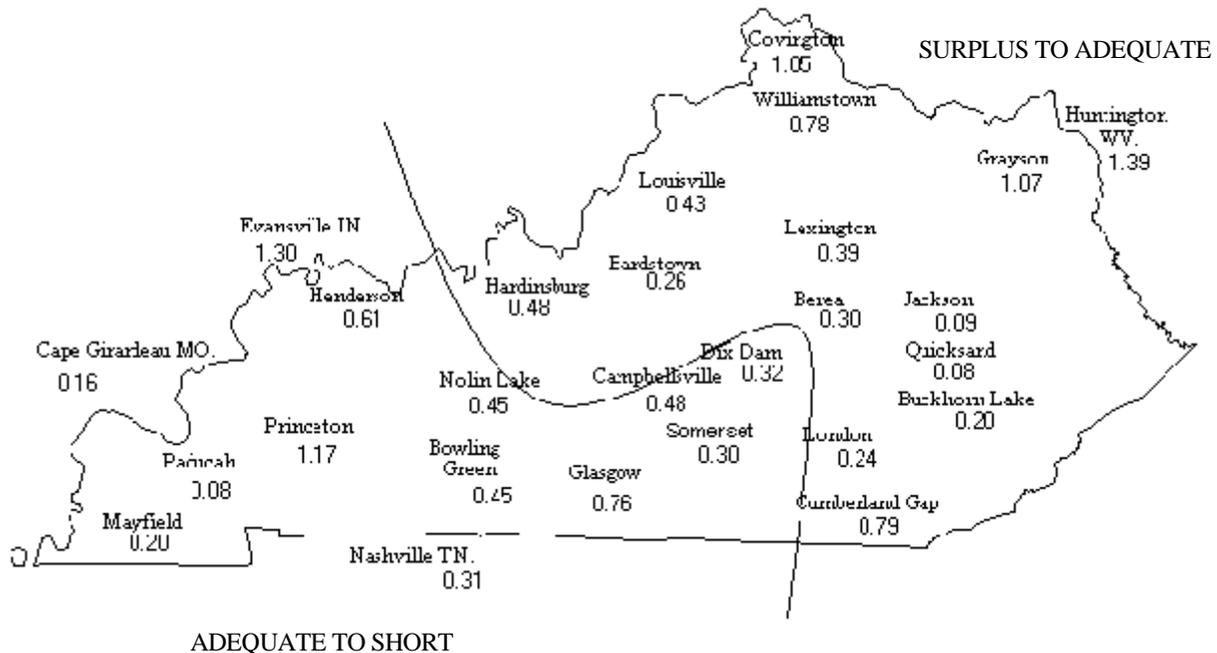
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	9	7
Short	18	16
Adequate	60	59
Surplus	13	18
<b>SUBSOIL</b>		
Very Short	12	8
Short	27	23
Adequate	54	61
Surplus	7	8

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING JULY 21, 2000					WEEK ENDING JULY 14, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	1	5	20	46	28	-	6	18	43	33
Soybeans	1	4	23	47	25	-	3	20	51	26
Pasture	2	8	24	53	13	1	7	25	53	14
Hay Crops	2	6	25	50	17	1	6	24	55	14
Tobacco	2	5	18	56	19	1	4	17	54	24

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 23, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 21, 2000**



# KENTUCKY WEATHER SUMMARY, JULY 17 - 23, 2000:

## BELOW NORMAL RAINFALL AND TEMPERATURES:

Unusually low temperatures for July occurred last week with high temperatures in the upper 70s to low 80s and lows in the upper 50s to low 60s for much of the week. Portions of the Western section of the State did see some needed rainfall during the work week otherwise rainfall was limited for the remainder of the State.

Temperatures for the period averaged 72 degrees across the State which was 4 degrees BELOW NORMAL. High temperatures averaged from 83 in the West to 80 in the East. Departure from normal high temperatures ranged from 7 degrees BELOW NORMAL in the West to 6 degrees BELOW NORMAL in the East. Low temperatures averaged from 64 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 3 degrees BELOW NORMAL in the West to 3 degrees BELOW NORMAL in the East. On July 17 the Palmer Drought Severity index indicated that West and Central were under MODERATE drought conditions with the Bluegrass in a MILD drought and the East on the other side of the scale with INCIPIENT MOIST conditions hydrologically. Moisture for agricultural purposes indicated by the Crop Moisture Index for July 17 showed that the West was at ABNORMALLY DRY conditions with the East in ABNORMALLY MOIST conditions with the Central and Bluegrass at NEAR NORMAL conditions agriculturally. Rainfall for the period totaled 0.53 inches Statewide which was 0.53 inches BELOW NORMAL. Precipitation totals by climate division, West 0.59 inches, Central 0.47 inches, Bluegrass 0.54 inches and East 0.52 inches, which was 0.34, 0.63, 0.52 and 0.61 inches respectively BELOW NORMAL. By station, precipitation totals ranged from a low of 0.08 inches at Paducah to a high of 1.17 inches at Princeton.

Tom Priddy

### KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 23, 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	0.26	12.08	2.56	-3.64	-1.76	85	58	72.8	-3	156	2064	+87
Berea	0.30	20.07	4.25	+3.77	+0.31	87	56	71.4	-4	147	2033	+2
Bowling Green	0.45	12.64	1.10	-4.31	-3.11	91	58	75.6	-1	174	2144	+83
Bristol	1.22	13.05	3.71	-0.90	-0.09	85	58	72.2	-3	154	1925	+62
Buckhorn Lake	0.20	19.74	4.34	+4.14	+0.06	85	60	71.6	-4	149	2028	+248
Cape Girardeau	0.16	9.86	0.76	-5.86	-2.44	89	56	73.0	-5	158	2142	-26
Campbellsville	0.48	18.01	3.28	-0.06	-1.40	86	60	72.9	-3	160	2148	+147
Covington	1.05	16.41	2.89	+1.39	-0.90	84	56	69.6	-6	135	1860	+34
Cumberland Gap	0.79	13.53	3.50	-3.53	-1.12	88	58	73.1	-2	159	2106	+273
Dix Dam	0.32	15.56	3.33	-0.75	-0.96	86	59	71.5	-4	149	2030	+53
Evansville	1.30	14.63	5.34	-0.63	+1.76	84	57	71.9	-6	152	2053	-1
Glasgow	0.76	16.60	2.69	-1.55	-2.02	89	60	74.4	-2	167	2249	+278
Grayson	1.07	15.86	4.40	+0.52	+0.15	83	57	70.1	-5	139	1964	+245
Hardinsburg	0.48	13.62	2.79	-2.89	-1.38	89	59	73.6	-3	161	2169	+108
Henderson	0.61	15.71	3.45	+0.08	-0.22	88	57	72.7	-5	154	2189	+105
Huntington	1.39	15.10	4.41	-0.12	+0.14	83	56	69.9	-6	137	1950	+94
Jackson	0.09	21.59	5.60	+5.29	+1.07	82	58	70.4	-5	141	1965	+185
Lexington	0.39	14.32	3.45	-1.40	-0.87	85	57	70.6	-5	142	1977	+121
London	0.24	14.15	3.55	-1.18	-0.58	85	59	71.6	-4	149	1971	+138
Louisville	0.43	15.22	3.94	-0.44	+0.02	87	59	72.6	-4	156	2090	+36
Mayfield	0.20	10.21	0.90	-6.55	-2.99	87	61	73.1	-5	159	2127	+5
Nashville	0.31	16.28	1.40	+0.51	-2.14	93	63	78.6	+2	190	2291	+93
Nolin Lake	0.45	13.62	1.82	-4.06	-2.58	90	59	74.9	-1	169	2163	+269
Paducah	0.08	12.22	0.80	-4.89	-2.98	89	56	73.6	-4	161	2196	+51
Princeton	1.17	15.19	2.44	-1.60	-1.38	92	60	75.4	-3	169	2306	+192
Quicksand	0.08	24.21	4.69	+7.91	+0.16	85	59	71.2	-4	145	2045	+265
Somerset	0.30	22.19	4.49	+4.90	+0.16	83	60	71.4	-4	147	2095	+171
Spindletop	0.42	12.78	3.92	-2.94	-0.40	85	58	70.1	-5	138	1938	+82
Williamstown	0.78	16.97	3.47	+1.28	-0.52	84	57	70.1	-5	139	2026	+170

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)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 16, 2000

### SOYBEANS SETTING PODS

	Curr	Last Wk	1999	Avg
AR	8	3	8	7
IL	14	6	9	4
IN	16	5	17	5
IA	21	*7	9	6
KS	18	3	5	6
KY	14	5	9	4
LA	45	33	39	33
MI	1	0	4	2
MN	4	1	4	5
MS	60	44	59	35
MO	18	9	5	3
NE	15	2	3	1
NC	0	0	3	1
ND	9	0	3	5
OH	12	4	12	5
SD	22	4	4	6
TN	5	0	11	4
WI	0	0	0	0
18 States	15	6	9	6

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

\*Revised.

### CORN SILKING

State	Curr	Last Wk	1999	Avg
CO	12	3	2	7
IL	73	36	54	27
IN	67	28	59	23
IA	50	*19	18	12
KS	81	52	44	48
KY	78	75	83	53
MI	4	1	29	11
MN	29	4	22	22
MO	90	75	55	49
NE	46	14	17	19
NC	89	76	74	80
ND	23	1	17	14
OH	30	7	36	13
PA	22	10	30	19
SD	15	0	2	2
TN	92	79	91	78
TX	83	75	68	75
WI	4	0	15	10
18 States	49	24	34	23

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

\*Revised.

### CORN DOUGH

State	Curr	Last Wk	1999	Avg
CO	0	NA	0	0
IL	9	NA	6	2
IN	3	NA	4	2
IA	0	NA	0	0
KS	15	NA	3	10
KY	10	NA	11	2
MI	0	NA	0	0
MN	0	NA	0	0
MO	20	NA	17	9
NE	5	NA	0	0
NC	51	NA	46	49
ND	0	NA	0	0
OH	0	NA	1	1
PA	4	NA	4	1
SD	0	NA	0	0
TN	20	NA	23	20
TX	62	NA	59	57
WI	0	NA	0	0
18 States	6	NA	5	4

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

## CROP CONDITION PERCENT FOR WEEK ENDING JULY 16, 2000

### SOYBEANS

State	VP	P	F	G	EX
AR	3	13	32	40	12
IL	2	5	18	51	24
IN	1	6	22	55	16
IA	1	5	22	48	24
KS	0	5	29	58	8
KY	0	3	20	51	26
LA	3	8	45	39	5
MI	2	6	31	55	6
MN	2	6	28	47	17
MS	4	7	39	42	8
MO	1	5	29	53	12
NE	6	12	30	39	13
NC	1	4	17	68	10
ND	9	12	16	52	11
OH	4	11	32	40	13
SD	0	4	24	50	22
TN	1	5	21	52	21
WI	2	6	16	53	23
18 States	2	7	25	49	17
Prev Week	2	7	25	50	16
Prev Year	2	6	25	51	16

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

### CORN

State	VP	P	F	G	EX
CO	3	7	28	44	18
IL	1	3	10	49	37
IN	1	3	12	52	32
IA	1	4	16	48	31
KS	2	11	30	46	11
KY	0	6	18	43	33
MI	2	6	21	59	12
MN	1	2	20	52	25
MO	0	3	19	59	19
NE	10	14	25	38	13
NC	1	4	15	63	17
ND	3	4	11	62	20
OH	2	6	22	42	28
PA	0	4	23	51	22
SD	0	3	19	52	26
TN	2	4	17	47	30
TX	0	4	22	61	13
WI	2	4	17	53	24
18 States	2	5	18	50	25
Prev Week	2	5	19	50	24
Prev Year	2	6	20	51	21

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

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