



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

LELAND E. BROWN, Director

Released weekly April - November

Issued 4:00 P.M., July 23, 2007

JMB 18-07

AGRICULTURAL NEWS: The State once again received scattered showers this week. This is only the second time this growing season the entire State received above normal rainfall. Farmers commented that the rains benefited tobacco and soybeans the most. **Topsoil moisture** was rated 21 percent very short, 40 percent short, 38 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 42 percent very short, 35 percent short, and 23 percent adequate. There were 5.4 days suitable for fieldwork. Work in the fields this past week included topping tobacco, and spraying soybeans and tobacco.

TOBACCO: Twenty-seven percent of the burley tobacco was blooming or has bloomed, behind last year's 37 percent and the five year average of 35 percent. Burley tobacco topped was at 13 percent, also behind last year's 16 percent and the five year average of 14 percent. The dark tobacco topped was at 42 percent, considerably ahead of the previous year and the five year average of 28 percent. The tobacco crop condition was reported as 6 percent very poor, 16 percent poor, 28 percent fair, 38 percent good, and 12 percent excellent. Black shank continues to be the minor problem in tobacco.

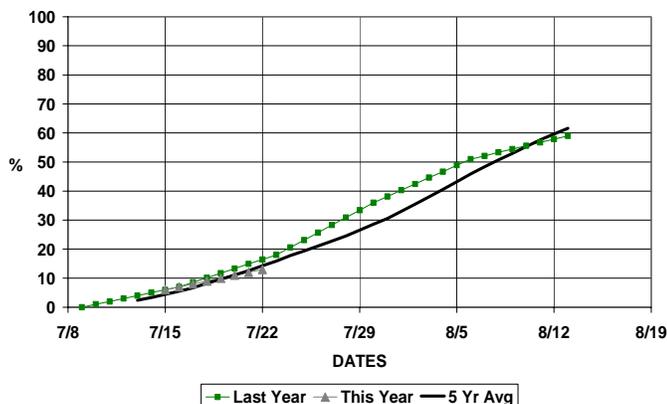
CORN: As of Sunday, July 22, eighty-nine percent of the corn has silked or was silking, ahead of last year's 84 percent and the five year average of 81 percent. Forty-seven percent of the corn was in the

milk stage, the same as last year and the five year average. Twenty percent of the corn was in dough stage, above last year's 15 percent and the five year average of 19 percent. The corn condition was rated as 7 percent very poor, 10 percent poor, 24 percent fair, 36 percent good, and 23 percent excellent. Farmers commented that they think the corn yield will be lower than usual due to the lack of rain.

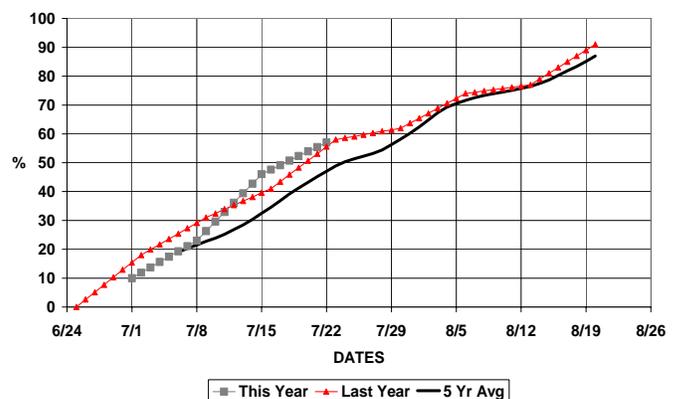
SOYBEANS: As of Sunday, July 22, fifty-seven percent of the soybeans were blooming. This is ahead of the previous year's 56 percent, and the five year average of 47 percent. Twenty-seven percent of the soybeans were setting pods, the same as last year, but ahead of the five year average of 22 percent. The soybean condition was rated as 5 percent very poor, 6 percent poor, 23 percent fair, 39 percent good, and 27 percent excellent.

OTHER CROPS AND PASTURE: The pastures and hay fields are still very slow to recover, even with the recent rains. Cattle farmers are starting to contemplate selling off their herds due to poor pasture and hay conditions. The pasture condition was rated as 25 percent very poor, 33 percent poor, 26 percent fair, 15 percent good, and 1 percent excellent. The hay crop condition was rated as 29 percent very poor, 32 percent poor, 29 percent fair, 9 percent good, and 1 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 22, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	57	56	47	46	60
Setting Pods	27	27	22	10	14
Corn					
Silking	89	84	81	81	56
Milk Stage	47	47	47	32	NA
Dough Stage	20	15	19	0	6
Burley Tobacco					
Blooming	27	37	35	14	NA
Topped	13	16	14	6	NA
Dark Tobacco					
Topped	42	28	28	NA	NA

(NA)Data Not Available.

SOIL MOISTURE

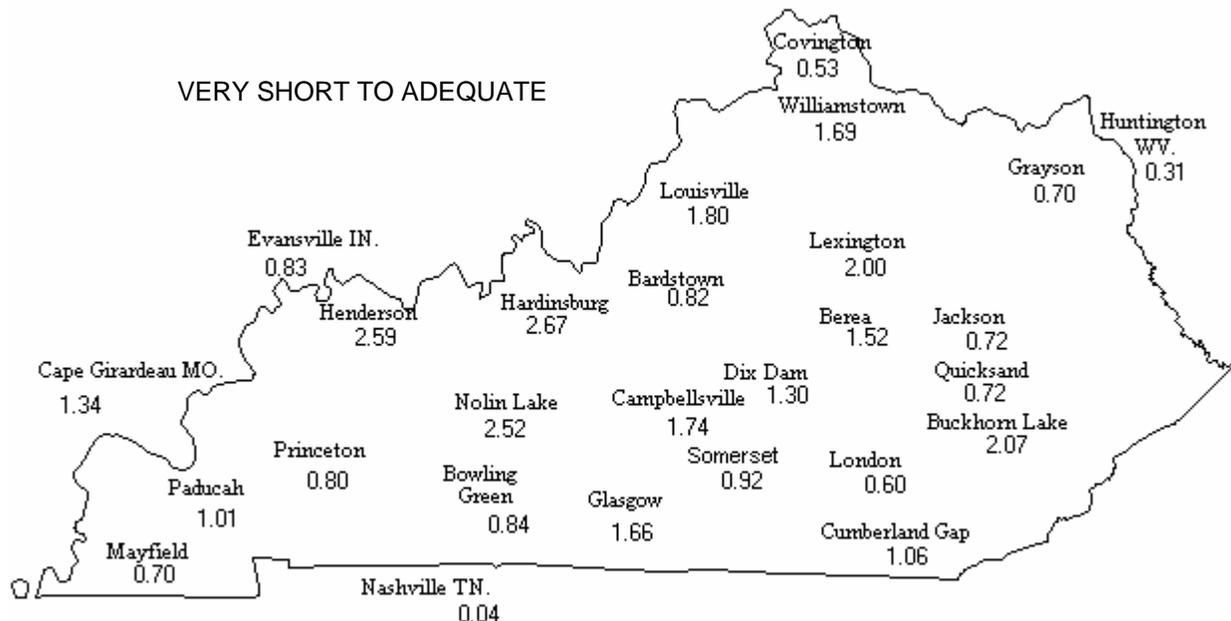
WEEK ENDING JULY 22, 2007

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	21	29
Short	40	36
Adequate	38	33
Surplus	1	2
SUBSOIL		
Very Short	42	42
Short	35	34
Adequate	23	23
Surplus	0	1

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 22, 2007					WEEK ENDING JULY 15, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	7	10	24	36	23	9	10	25	36	20
Soybeans	5	6	23	39	27	7	12	22	35	24
Pasture	25	33	26	15	1	21	34	33	12	0
Hay Crops	29	32	29	9	1	22	36	36	6	0
Tobacco	6	16	28	38	12	8	17	31	36	8

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING JULY 22, 2007



KENTUCKY WEATHER SUMMARY, JULY 16 – 22, 2007:

Below Normal Temperatures and Above Normal Rainfall:

For only the second time this growing season rainfall was above normal for the entire State. Scattered showers and thunderstorms were a daily occurrence in central and eastern sections of the State during much of the work week. The west waited until Friday for a decent wetting. Temperatures were very warm during most of the work week but unseasonably cool, dry conditions dominated the weekend. Jackson reported record low temperatures on both Saturday and Sunday morning.

Temperatures for the 7 day period averaged 76 degrees across the State which was 1 degree below normal and similar to the previous week. High temperatures averaged from 88 in the West to 86 in the East. Departure from normal high temperatures ranged from 2 degrees below normal in the West to 1 degree below normal in the East. Low temperatures averaged from 66 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to near normal in the East. Extreme high temperatures were in the mid 90s and extreme low temperatures were in the mid 50s.

Rainfall for the period totaled 1.32 inches statewide which was 0.43 inches above normal. Rainfall totals by climate division, West 1.25 inches, Central 1.22 inches, Bluegrass 1.67 inches and East 1.23 inches, which was 0.50, 0.18, 0.62 and 0.44 inches respectively above normal. By station, rainfall totals ranged from a low of 0.04 inches at Nashville to a high of 2.67 inches at Hardinsburg.

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	0.82	11.85	4.04	-3.71	-0.24	90	55	75.4	-1	168	2115	+162
Berea	1.52	12.12	4.85	-4.04	+0.92	89	57	75.2	-0	169	2121	+115
Bowling Green	0.84	11.15	3.54	-5.64	-0.66	95	56	77.9	+2	181	2240	+204
Bristol	0.82	7.96	3.29	-5.85	-0.48	89	54	73.6	-2	161	1950	+110
Buckhorn Lake	2.07	7.40	2.43	-8.04	-1.83	91	57	75.7	+0	171	2108	+350
Cape Girardeau	1.34	10.52	3.07	-5.08	-0.14	93	55	76.6	-1	175	2208	+67
Campbellsville	1.74	15.67	5.34	-2.23	+0.70	91	56	76.0	-0	170	2119	+143
Covington	0.53	7.40	2.89	-7.48	-0.89	90	58	74.5	-1	164	1995	+193
Cumberland Gap	1.06	11.10	3.13	-5.79	-1.46	91	57	75.7	+0	171	2111	+301
Dix Dam	1.30	11.86	3.95	-4.29	-0.30	90	57	75.0	-0	166	2072	+119
Evansville	0.83	10.70	2.13	-4.43	-1.44	94	57	76.4	-2	171	2177	+149
Glasgow	1.66	15.05	6.70	-2.93	+2.01	94	55	77.4	+1	177	2224	+278
Grayson	0.70	9.30	2.80	-5.88	-1.42	91	56	75.1	-0	168	2036	+339
Hardinsburg	2.67	13.98	5.64	-2.38	+1.50	92	56	74.9	-1	163	2217	+181
Henderson	2.59	14.16	4.66	-1.34	+1.00	92	56	75.6	-2	168	2163	+105
Huntington	0.31	7.51	2.27	-7.55	-1.97	92	56	73.0	-2	154	2016	+184
Jackson	0.72	7.77	2.37	-8.36	-2.12	90	57	75.2	-0	168	2068	+310
Lexington	2.00	11.80	4.45	-3.76	+0.17	91	57	74.6	-1	163	2035	+203
London	0.60	11.02	3.79	-4.16	-0.31	91	56	75.6	+0	171	2075	+265
Louisville	1.80	12.59	3.46	-2.92	-0.43	93	56	74.4	-2	160	2086	+58
Mayfield	0.70	7.42	2.28	-9.20	-1.58	91	57	75.7	-2	171	2119	+22
Nashville	0.04	8.57	1.22	-7.07	-2.31	95	62	80.4	+4	195	2348	+177
Nolin Lake	2.52	16.02	5.39	-1.49	+1.02	94	56	76.7	+0	175	2236	+365
Paducah	1.01	13.48	5.55	-3.49	+1.77	96	58	77.8	-0	179	2241	+122
Princeton	0.80	11.93	3.99	-4.72	+0.18	96	57	78.4	+0	176	2289	+201
Quicksand	0.72	7.67	2.32	-8.46	-2.17	91	57	75.7	+0	171	2111	+353
Somerset	0.92	12.73	4.67	-4.40	+0.35	89	57	74.3	-1	163	1963	+62
Spindletop	1.54	11.79	5.22	-3.77	+0.94	88	57	73.4	-2	158	1995	+163
Williamstown	1.69	13.26	4.24	-2.28	+0.27	90	58	74.5	-1	163	2012	+180

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/>

CROP PROGRESS PERCENT FOR WEEK ENDING JULY 15, 2007

SOYBEANS SETTING PODS

State	Curr	Last Wk	2006	Avg
AR	25	NA	39	25
IL	15	NA	10	10
IN	6	NA	4	7
IA	17	NA	15	12
KS	7	NA	8	8
KY	10	NA	15	9
LA	77	NA	71	48
MI	9	NA	6	4
MN	10	NA	5	3
MS	69	NA	84	69
MO	7	NA	8	7
NE	13	NA	16	10
NC	3	NA	3	1
ND	11	NA	35	11
OH	9	NA	4	5
SD	5	NA	5	4
TN	24	NA	36	20
WI	6	NA	4	3
18 States	14	NA	14	11

These 18 States planted 96% of last year's soybean acreage.

CORN SILKING

State	Curr	Last Wk	2006	Avg
CO	18	6	12	11
IL	88	68	73	60
IN	66	35	39	39
IA	47	18	41	27
KS	69	50	72	62
KY	81	67	74	71
MI	28	0	17	11
MN	61	28	31	17
MO	77	62	83	77
NE	57	27	55	39
NC	93	83	94	89
ND	25	7	27	11
OH	46	18	23	23
PA	19	17	33	24
SD	17	1	10	4
TN	93	86	95	92
TX	75	63	87	83
WI	20	3	12	8
18 States	56	32	46	36

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

CORN DOUGH

State	Curr	Last Wk	2006	Avg
CO	0	NA	0	0
IL	10	NA	8	7
IN	3	NA	2	3
IA	0	NA	0	1
KS	10	NA	18	12
KY	0	NA	6	6
MI	0	NA	0	0
MN	0	NA	0	0
MO	18	NA	20	20
NE	5	NA	3	2
NC	52	NA	42	35
ND	0	NA	0	0
OH	0	NA	1	1
PA	5	NA	0	2
SD	0	NA	0	0
TN	34	NA	19	28
TX	53	NA	56	61
WI	0	NA	0	0
18 States	6	NA	5	5

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

CROP CONDITION PERCENT FOR WEEK ENDING JULY 15, 2007

SOYBEANS

State	VP	P	F	G	EX
AR	2	6	32	43	17
IL	1	5	18	55	21
IN	5	17	38	35	5
IA	2	6	27	54	11
KS	2	4	28	56	10
KY	7	12	22	35	24
LA	0	1	18	68	13
MI	8	15	34	35	8
MN	4	9	34	43	10
MS	2	4	21	54	19
MO	3	6	34	49	8
NE	1	4	28	53	14
NC	2	17	33	45	3
ND	2	3	14	62	19
OH	7	18	37	32	6
SD	1	3	14	65	17
TN	6	18	34	36	6
WI	2	5	23	49	21
18 States	3	8	27	49	13
Prev Week	2	7	26	51	14
Prev Year	3	10	30	47	10

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

CORN

State	VP	P	F	G	EX
CO	1	1	7	62	29
IL	1	4	16	51	28
IN	7	15	35	37	6
IA	3	7	27	48	15
KS	2	7	20	53	18
KY	9	10	25	36	20
MI	8	20	26	39	7
MN	7	12	31	39	11
MO	2	6	26	49	17
NE	1	3	22	48	26
NC	10	18	33	33	6
ND	2	3	14	63	18
OH	8	19	34	32	7
PA	12	8	24	42	14
SD	1	4	17	58	20
TN	17	26	37	20	0
TX	2	6	18	48	26
WI	2	8	22	48	20
18 States	4	8	24	46	18
Prev Week	3	6	21	51	19
Prev Year	4	8	26	46	16

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

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.