



NATIONAL AGRICULTURAL STATISTICS SERVICE

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

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

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: It was extremely hot and very dry in Kentucky. With the recent heat the state has experienced, it will take slow, drenching rains to relieve crops and refill ponds for livestock. While, some central and eastern parts of the state have recently received rain, parts of western Kentucky have received no or little moisture for many weeks. **Topsoil moisture** was rated 48 percent very short, 39 percent short, and 13 percent adequate. **Subsoil moisture** was rated 49 percent very short, 38 percent short, and 13 percent adequate. The heat made working outside more difficult, but work continued with the days suitable for fieldwork averaging 6.4 days out of a possible 7 days. Farm activities last week included topping, cutting and housing tobacco, baling hay and feeding hay to cattle.

CORN: There were reports that the crop is drying down fast. Crop condition for corn slipped and was rated 6 percent very poor, 14 percent poor, 26 percent fair, 45 percent good, and 9 percent excellent. Eighty-six percent of the corn was in the milk stage or beyond as of Sunday, August 12, compared to 84 percent for last year and the five year average of 87 percent. Seventy-two percent was in the dough stage or beyond, ahead of last year's 64 percent and the five year average of 66 percent. Forty-seven percent of the corn acreage was in the dent stage, compared to 42 percent for both the previous year and the five year average.

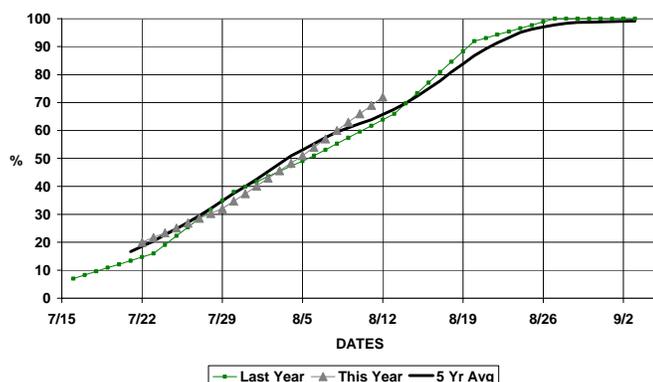
SOYBEANS: Sixty-seven percent of the soybeans were setting pods, ahead of last year's 54 percent and the five year average of 52 percent. Moisture is greatly needed at this stage for adequate pod-fill. As

of Sunday, August 12, 89 percent of soybeans were blooming, ahead of last year's 77 percent and the five year average of 76 percent. Soybean crop condition declined compared to last week and was rated 7 percent very poor, 19 percent poor, 28 percent fair, 38 percent good, and 8 percent excellent.

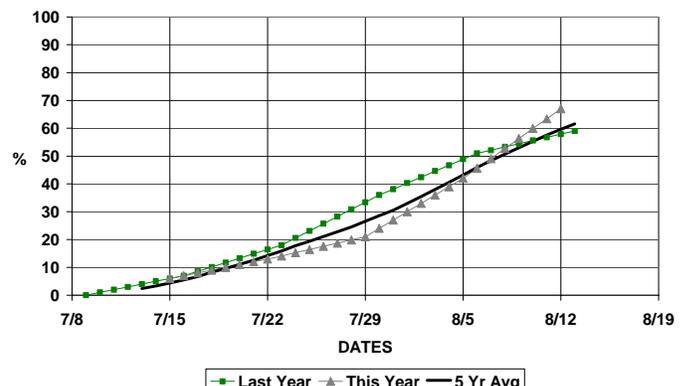
TOBACCO: Tobacco condition is mostly fair to excellent with 7 percent rated very poor, 8 percent poor, 24 percent fair, 45 percent good, and 16 percent excellent. There were still reports of black shank in some fields. However, disease presence is not considered serious at this time. The heat is keeping blue mold in check. As of Sunday, August 12, 67 percent of the burley had been topped, compared to last year's 58 percent and the five year average of 60 percent. Ten percent of burley tobacco has been cut, compared to 9 percent cut both last year and for the average. Eight-four percent of the dark tobacco has been topped, compared to 74 percent last year and the average of 80 percent. Five percent of dark tobacco has been cut, compared to 3 percent cut last year and 6 percent for the five year average.

OTHER CROPS: Many farmers are very concerned about the condition of the hay crop and the early feeding of hay to cattle. Hay remains in mostly very poor to fair condition, with 26 percent very poor, 35 percent poor, 28 percent fair, 10 percent good, and 1 percent excellent. The extreme heat has been very stressful to livestock and pastures. Pasture condition continues to deteriorate and was rated as 24 percent very poor, 35 percent poor, 31 percent fair and 10 percent good.

CORN PERCENT DOUGH OR BEYOND



BURLEY TOBACCO PERCENT TOPPED



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 12, 2007

SOIL MOISTURE
WEEK ENDING AUGUST 12, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	89	77	76	84	92
Setting Pods	67	54	52	60	69
Corn					
Milk Stage	86	84	87	76	NA
Dough Stage	72	64	66	51	41
Dent Stage	47	42	42	28	9
Burley Tobacco					
Topped	67	58	60	42	NA
Cut	10	9	9	NA	NA
Dark Tobacco					
Topped	84	74	80	78	NA
Cut	5	3	6	NA	NA

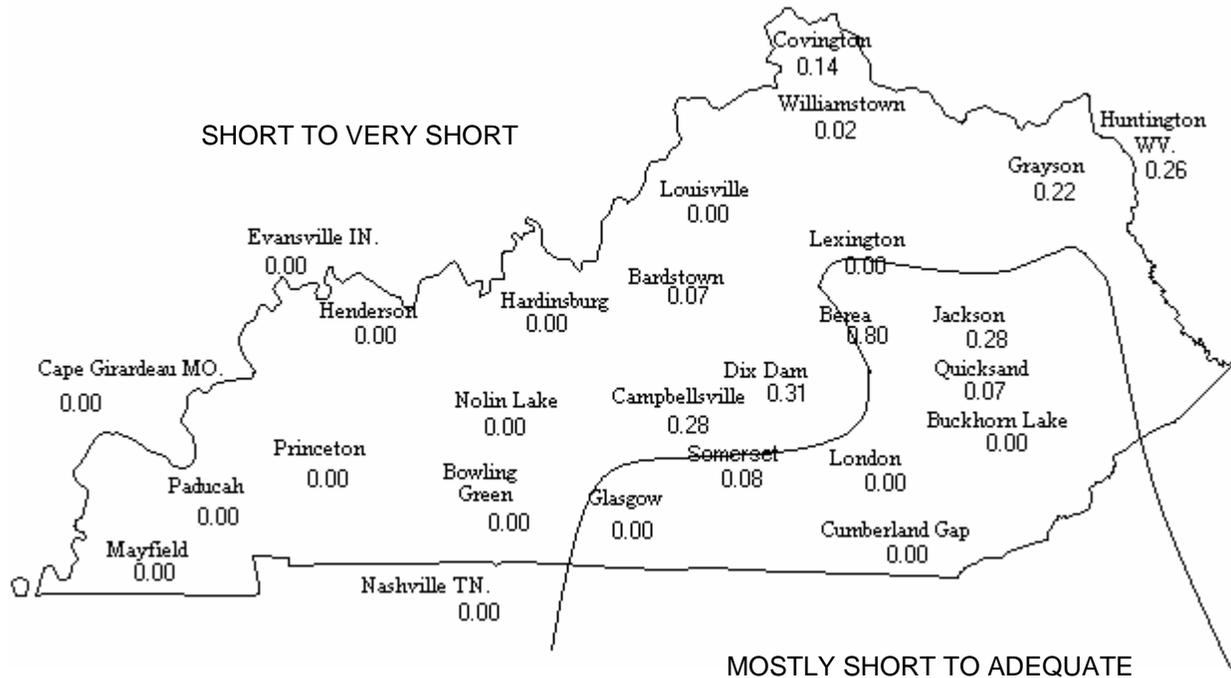
	This Week	Previous Week
TOPSOIL		
Very Short	48	31
Short	39	40
Adequate	13	29
Surplus	0	0
SUBSOIL		
Very Short	49	40
Short	38	39
Adequate	13	21
Surplus	0	0

(NA)Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 12, 2007					WEEK ENDING AUGUST 5, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	6	14	26	45	9	6	9	21	42	22
Soybeans	7	19	28	38	8	6	10	20	49	15
Pasture	24	35	31	10	0	23	27	33	15	2
Hay Crops	26	35	28	10	1	21	31	34	12	2
Tobacco	7	8	24	45	16	5	12	25	44	14

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION
WEEK ENDING AUGUST 12, 2007



KENTUCKY WEATHER SUMMARY, AUGUST 6 – 12, 2007:

Much Above Normal Temperatures and Below Normal Rainfall:

Hazy, hot and humid with record and near-record temperatures gripped the Commonwealth during the work week which joined a long string of weeks with dry conditions this growing season. Temperatures in the upper 90s and low 100s were the rule during the work week which were the warmest temperatures since August 2005. Rainfall was limited to the northeast sections of the State. Slightly less humid conditions with temperatures in the low 90s occurred during the weekend.

Temperatures for the 7 day period averaged 84 degrees across the State which was 9 degrees above normal and 4 degrees warmer than the previous. High temperatures averaged from 94 in the West to 94 in the East. Departure from normal high temperatures ranged from 5 degrees above normal in the West to 9 degrees above normal in the East. Low temperatures averaged from 72 degrees in the West to 72 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 8 degrees above normal in the East. Princeton reported the extreme high temperature of 104 and Lexington's Spindletop Research Farm reported the extreme low temperature of 62 degrees in Kentucky

Rainfall for the period totaled 0.08 inches statewide which was 0.76 inches below normal. Rainfall totals by climate division, West 0.00 inches, Central 0.01 inches, Bluegrass 0.21 inches and East 0.11 inches, which was 0.79, 0.84, 0.65 and 0.76 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Bowling Green to a high of 0.80 inches at Berea.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 12, 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	0.07	14.60	3.57	-3.93	-0.53	99	66	83.8	+9	201	2668	+223
Berea	0.80	14.80	4.20	-4.18	+0.37	98	64	82.7	+8	199	2668	+149
Bowling Green	0.00	12.16	1.85	-7.37	-1.96	104	66	87.1	+12	210	2834	+285
Bristol	0.00	10.44	3.30	-5.85	-0.16	96	64	80.4	+6	186	2454	+131
Buckhorn Lake	0.00	10.40	5.07	-7.86	+1.16	98	65	83.0	+9	202	2667	+459
Cape Girardeau	0.00	10.58	1.40	-7.40	-1.78	101	64	78.0	+1	173	2733	+49
Campbellsville	0.28	18.10	4.17	-3.13	-0.37	99	68	84.2	+9	201	2677	+188
Covington	0.14	8.23	1.36	-9.18	-2.13	100	64	84.5	+10	205	2560	+266
Cumberland Gap	0.00	13.91	3.87	-6.19	-0.53	98	65	83.0	+9	200	2668	+375
Dix Dam	0.31	14.61	4.05	-4.49	-0.02	98	66	83.5	+9	203	2629	+172
Evansville	0.00	11.03	1.16	-6.47	-2.13	100	67	82.2	+5	194	2736	+186
Glasgow	0.00	16.36	2.97	-4.72	-1.33	100	63	84.9	+10	201	2797	+338
Grayson	0.22	11.70	3.10	-6.34	-0.86	98	62	82.5	+8	200	2576	+417
Hardinsburg	0.00	14.64	3.33	-4.56	-0.60	98	68	84.5	+9	208	2792	+243
Henderson	0.00	14.82	3.25	-3.10	-0.09	100	38	78.8	+2	172	2690	+110
Huntington	0.26	8.76	1.56	-9.26	-2.51	98	61	82.4	+8	199	2552	+228
Jackson	0.28	10.19	3.14	-9.01	-1.12	96	64	81.8	+7	201	2608	+400
Lexington	0.00	14.57	4.77	-3.96	+0.67	98	63	83.3	+9	202	2593	+269
London	0.00	12.85	2.43	-4.99	-1.31	98	63	82.9	+9	197	2625	+332
Louisville	0.00	14.04	3.25	-4.15	-0.45	99	66	84.1	+9	203	2642	+80
Mayfield	0.00	7.44	0.72	-11.96	-3.08	99	65	83.1	+6	200	2676	+66
Nashville	0.00	8.88	0.35	-9.25	-3.04	104	73	89.2	+14	221	2960	+234
Nolin Lake	0.00	17.03	3.53	-3.40	-0.53	100	66	85.4	+10	208	2818	+464
Paducah	0.00	13.53	1.06	-5.95	-2.40	101	65	85.8	+9	205	2811	+158
Princeton	0.00	12.30	1.17	-7.15	-2.60	104	65	87.7	+11	213	2868	+246
Quicksand	0.07	9.88	2.93	-9.32	-1.33	98	65	82.9	+9	202	2670	+462
Somerset	0.08	13.76	1.95	-6.31	-2.09	99	70	83.6	+9	202	2503	+119
Spindletop	0.00	14.84	4.59	-3.69	+0.49	96	62	82.5	+8	203	2543	+219
Williamstown	0.02	14.85	3.28	-3.45	-0.50	99	64	84.1	+10	205	2577	+253

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.gwx.ca.uky.edu/>

CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 5, 2007

SOYBEANS SETTING PODS				
State	Curr	Last Wk	2006	Avg
AR	70	55	80	67
IL	78	62	65	62
IN	60	39	44	49
IA	82	61	81	75
KS	46	34	57	52
KY	60	36	48	44
LA	96	90	90	81
MI	65	45	61	49
MN	77	56	83	62
MS	95	90	98	92
MO	44	29	49	43
NE	61	46	79	64
NC	28	16	32	25
ND	88	65	97	78
OH	72	48	63	54
SD	59	38	67	55
TN	72	60	80	62
WI	63	44	63	49
18 States	69	51	69	61

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

CORN SILKING				
State	Curr	Last Wk	2006	Avg
CO	88	63	72	72
IL	100	99	99	97
IN	98	94	93	92
IA	96	90	98	95
KS	99	98	99	97
KY	96	91	97	97
MI	89	75	93	81
MN	99	98	99	96
MO	96	94	100	97
NE	97	92	98	96
NC	100	98	100	99
ND	94	86	98	87
OH	96	89	97	90
PA	85	75	87	78
SD	86	68	83	77
TN	100	99	100	100
TX	98	97	99	98
WI	89	77	87	75
18 States	96	90	96	92

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

CORN DOUGH				
State	Curr	Last Wk	2006	Avg
CO	19	8	18	15
IL	73	48	61	54
IN	45	27	38	35
IA	28	10	26	23
KS	62	46	67	58
KY	51	32	49	53
MI	12	6	19	9
MN	18	5	11	7
MO	69	50	80	74
NE	47	31	52	40
NC	87	80	92	81
ND	30	15	25	16
OH	31	9	32	26
PA	26	10	32	28
SD	18	10	25	16
TN	88	77	92	88
TX	70	66	91	83
WI	16	7	16	10
18 States	41	25	40	34

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

CROP CONDITION PERCENT FOR WEEK ENDING AUGUST 5, 2007

SOYBEANS					
State	VP	P	F	G	EX
AR	2	10	34	37	17
IL	2	7	23	47	21
IN	5	14	37	38	6
IA	2	7	26	49	16
KS	1	5	28	52	14
KY	6	10	20	49	15
LA	0	5	26	59	10
MI	21	31	34	12	2
MN	9	19	31	32	9
MS	1	3	16	56	24
MO	6	14	36	38	6
NE	1	4	24	52	19
NC	7	25	37	27	4
ND	3	3	19	64	11
OH	8	18	34	33	7
SD	1	8	28	49	14
TN	13	21	39	25	2
WI	4	15	35	35	11
18 States	4	11	29	43	13
Prev Week	4	9	29	45	13
Prev Year	5	12	30	41	12

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

CORN					
State	VP	P	F	G	EX
CO	3	7	22	52	16
IL	1	5	17	47	30
IN	7	15	34	38	6
IA	2	10	27	44	17
KS	1	8	30	48	13
KY	6	9	21	42	22
MI	25	35	28	11	1
MN	18	26	31	21	4
MO	6	12	29	40	13
NE	1	4	19	48	28
NC	14	26	32	22	6
ND	2	4	21	63	10
OH	11	18	31	32	8
PA	18	15	26	29	12
SD	2	12	32	43	11
TN	21	29	33	17	0
TX	4	8	18	45	25
WI	7	15	32	31	15
18 States	6	12	26	40	16
Prev Week	5	11	26	42	16
Prev Year	7	11	25	41	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.