



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

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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

Released weekly April - November

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KGC 23-07

AGRICULTURAL NEWS: Scattered showers brought much needed precipitation to most of the State. The rain was appreciated, but record high temperatures evaporated most of the moisture. Many farmers cut and housed tobacco, chopped silage, harvested grain corn, baled hay, fed hay, and watered livestock during the past week. Days suitable for fieldwork averaged 6.3 days out of a possible 7 days. **Topsoil moisture** was rated 63 percent very short, 29 percent short, and 8 percent adequate. **Subsoil moisture** was rated 64 percent very short, 27 percent short, and 9 percent adequate.

CORN: The corn crop dried down early due to high temperatures which allowed farmers to harvest their grain crop ahead of schedule. By Sunday, August 26, 9 percent of the corn had been harvested. This is more than the 4 percent harvested in 2006 and the five year average. A wide range of yields have been reported for corn harvested for grain. Percent matured jumped to 57 percent, well ahead of the 44 percent for 2006 and 39 for the average. Eighty-eight percent of the crop had reached the dent stage. Last year it was 86 percent, with the five year average at 81 percent. Field corn condition changed little this week. It rated 7 percent very poor, 18 percent poor, 27 percent fair, 42 percent good, and 6 percent excellent.

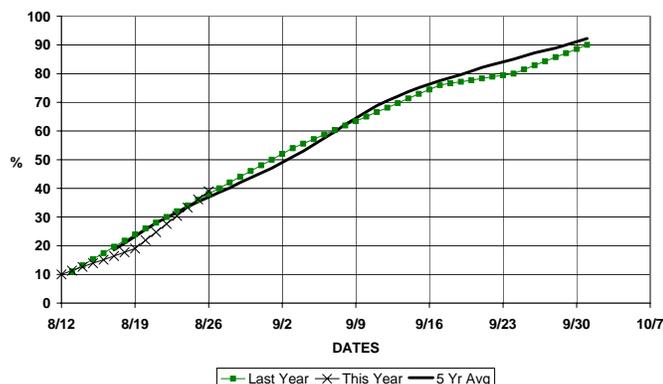
SOYBEANS: Due to poor growing conditions, some pods may not fill. Double cropped soybeans have been a disappointment. The condition of the soybeans was rated 15 percent very poor, 22

percent poor, 42 percent fair, and 21 percent good. The crop continued to progress faster than last year and the five year average. Eighty-eight percent were setting or had set pods. A year ago, it was 83 percent, with the average at 80 percent. Soybeans whose leaves had turned yellow were at 16 percent, compared to 7 percent last year and 9 percent for the average. Five percent had dropped leaves. In 2006 it was 3 percent, close to the five year average of 2 percent. Soybeans need more rain to fill pods.

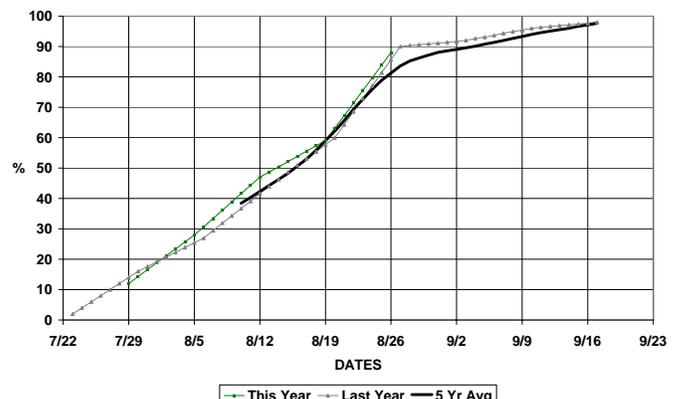
TOBACCO: Harvest has progressed rapidly in spite of the extreme heat. Early housed tobacco looks good, though some farmers are concerned about houseburn. Additional humidity would improve curing conditions. Field tobacco condition was rated 6 percent very poor, 13 percent poor, 23 percent fair, 42 percent good, and 16 percent excellent. Burley harvest moved back on schedule with 39 percent cut. In 2006 it was 38 percent and 37 percent for the five year average. Nearly half of the dark tobacco has been cut, much more than the 31 percent cut last year and 29 percent for the average.

OTHER CROPS: Condition of the hay fields was rated 38 percent very poor, 33 percent poor, 23 percent fair, and 6 percent good. Pasture condition was rated 40 percent very poor, 31 percent poor, 22 percent fair and 7 percent good. More acres were cut, though little hay was made. There is a concern that there will not be enough hay for winter use since many farmers had to feed their hay out this summer. The hot, dry weather this August significantly hurt the hay crop and pastures throughout Kentucky.

BURLEY TOBACCO PERCENT CUT PROGRESS



CORN PERCENT DENT OR BEYOND



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 26, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Setting Pods	88	83	80	75	92
Turning Yellow	16	7	9	NA	NA
Shedding Leaves	5	3	2	NA	2
Corn					
Dent Stage	88	86	81	59	43
Mature	57	44	39	25	6
Harvested	9	4	4	NA	NA
Burley Tobacco					
Cut	39	38	37	19	NA
Dark Tobacco					
Cut	49	31	29	15	NA

(NA)Data Not Available.

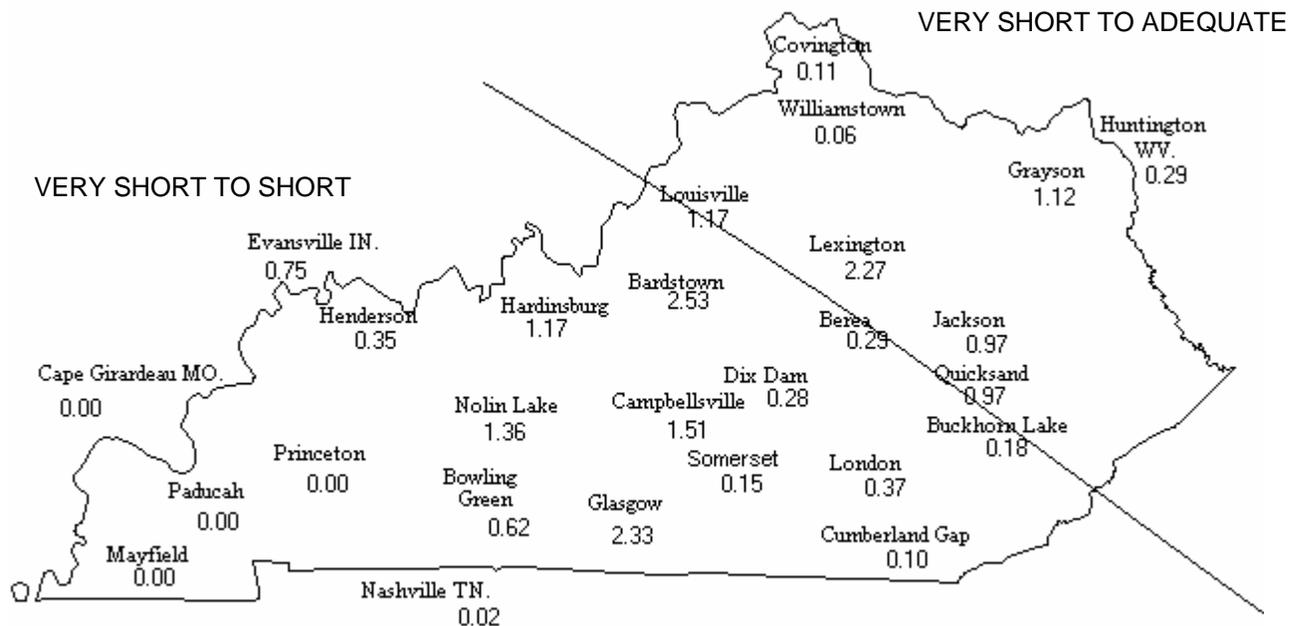
SOIL MOISTURE
WEEK ENDING AUGUST 26, 2007

	This Week	Previous Week
TOPSOIL		
Very Short	63	49
Short	29	40
Adequate	8	11
Surplus	0	0
SUBSOIL		
Very Short	64	52
Short	27	37
Adequate	9	11
Surplus	0	0

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 26, 2007					WEEK ENDING AUGUST 19, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	7	18	27	42	6	7	17	24	43	9
Soybeans	15	22	42	21	0	10	22	34	28	6
Pasture	40	31	22	7	0	29	35	26	10	0
Hay Crops	38	33	23	6	0	30	35	25	9	1
Tobacco in Field	6	13	23	42	16	6	10	26	45	13

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION
WEEK ENDING AUGUST 26, 2007



KENTUCKY WEATHER SUMMARY, AUGUST 20 – 26, 2007:

Much Above Normal Temperatures and Below Normal Rainfall:

Another mostly dry, muggy and very hot week for the Bluegrass State last week with central, bluegrass and some eastern sections receiving the greatest rainfall which occurred on Tuesday compliments of the remnants of T.S. Erin. In the west and south, very little rainfall occurred. Record and near-record temperatures dominated with most locations approaching and exceeding the 100 degree mark, for the third heat wave this growing season. Princeton hit or exceeded 100 degrees 11 times so far this growing season. Somerset hit 106 degrees for the extreme high temperature and the extreme low was in the low 60s. Last week's US Drought Monitor held 73 percent of Kentucky in Extreme hydrologic drought.

Temperatures for the 7 day period averaged 83 degrees across the State which was 10 degrees above normal and 3 degrees warmer than the previous week. High temperatures averaged from 95 in the West to 94 in the East. Departure from normal high temperatures ranged from 9 degrees above normal in the West to 11 degrees above normal in the East. Low temperatures averaged from 71 degrees in the West to 71 degrees in the East. Departure from normal low temperature ranged from 8 degrees above normal in the West to 10 degrees above normal in the East.

Rainfall for the period totaled 0.71 inches statewide which was 0.13 inches below normal. Rainfall totals by climate division, West 0.18 inches, Central 1.53 inches, Bluegrass 0.62 inches and East 0.52 inches, which was -0.61, +0.68, -0.23 and -0.35 inches respectively from normal. By station, rainfall totals ranged from a low of 0.00 inches at Cape Girardeau to a high of 2.53 inches at Bardstown.

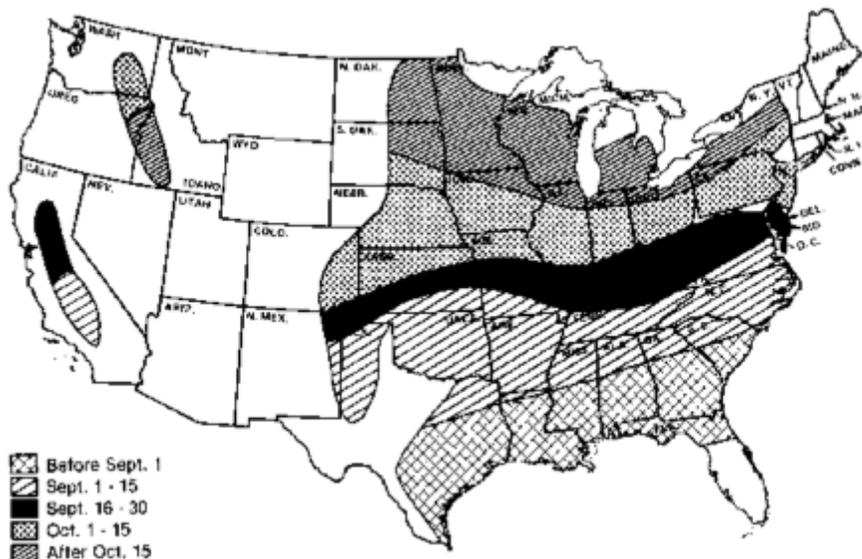
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 26, 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	2.53	17.13	4.62	-3.18	+1.00	97	68	83.1	+10	202	3053	+286
Berea	0.29	15.29	1.53	-5.50	-2.10	102	63	82.4	+10	194	3040	+185
Bowling Green	0.62	12.78	0.89	-8.33	-2.36	103	72	86.7	+14	209	3239	+354
Bristol	0.28	10.75	0.71	-6.97	-2.23	99	65	81.3	+9	188	2807	+162
Buckhorn Lake	0.18	10.99	0.92	-8.92	-2.45	99	69	83.1	+11	200	3051	+549
Cape Girardeau	0.00	10.58	0.01	-8.98	-3.15	100	63	82.4	+8	194	3119	+85
Campbellsville	1.51	19.69	2.38	-3.60	-1.80	101	67	83.8	+11	198	3057	+232
Covington	0.11	8.39	0.53	-10.53	-2.55	101	65	82.4	+10	197	2942	+326
Cumberland Gap	0.10	14.01	0.10	-8.04	-3.87	104	68	83.1	+11	198	3051	+436
Dix Dam	0.28	15.00	1.54	-5.86	-2.05	98	68	82.4	+10	198	3006	+213
Evansville	0.75	11.93	0.90	-6.98	-1.97	100	64	81.2	+6	192	3122	+236
Glasgow	2.33	18.84	2.48	-4.06	-1.24	100	69	84.4	+11	198	3183	+388
Grayson	1.12	13.45	2.59	-6.29	-0.87	98	70	81.9	+10	199	2948	+481
Hardinsburg	1.17	16.03	1.51	-4.88	-1.97	98	65	83.9	+11	202	3187	+302
Henderson	0.35	15.32	0.60	-4.03	-2.32	102	66	82.7	+8	198	3076	+160
Huntington	0.29	9.60	1.63	-10.19	-1.99	98	69	81.7	+9	198	2920	+274
Jackson	0.97	12.20	2.62	-8.81	-1.08	96	70	81.8	+10	201	2993	+491
Lexington	2.27	17.02	2.83	-3.29	-0.79	97	68	81.8	+10	201	2973	+327
London	0.37	13.22	0.53	-6.12	-2.55	101	70	83.6	+11	203	3008	+393
Louisville	1.17	15.50	1.68	-4.29	-1.58	97	68	81.6	+9	198	3018	+106
Mayfield	0.00	7.44	0.00	-13.69	-3.50	101	69	83.2	+8	200	3060	+114
Nashville	0.02	8.90	0.05	-10.79	-3.11	103	69	86.6	+14	213	3382	+292
Nolin Lake	1.36	19.90	3.03	-2.23	-0.44	100	70	84.9	+12	203	3213	+537
Paducah	0.00	13.54	0.01	-7.45	-3.06	101	68	84.4	+10	205	3211	+208
Princeton	0.00	12.90	0.68	-8.36	-2.96	104	69	85.6	+11	200	3261	+289
Quicksand	0.97	11.89	2.41	-9.12	-1.29	99	69	83.0	+11	201	3055	+553
Somerset	0.15	13.95	0.28	-7.89	-3.32	106	61	83.7	+11	193	2870	+164
Spindletop	0.74	15.71	1.72	-4.60	-1.90	95	68	81.2	+9	198	2913	+267
Williamstown	0.06	16.46	1.92	-3.53	-1.50	100	67	82.3	+10	198	2958	+312

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.agwx.ca.uky.edu/>

CORN FOR GRAIN - USUAL START OF HARVESTING, PRINCIPAL AREAS IN THE U.S.



CORN CONDITION AND PROGRESS FOR WEEK ENDING AUGUST 19, 2007

State	CONDITION PERCENT				
	VP	P	F	G	EX
CO	1	7	22	51	19
IL	4	6	18	47	25
IN	9	18	35	34	4
IA	2	6	21	52	19
KS	1	10	30	48	11
KY	7	17	24	43	9
MI	15	26	36	21	2
MN	15	21	31	27	6
MO	10	20	30	35	5
NE	1	4	16	47	32
NC	16	26	32	19	7
ND	3	5	16	59	17
OH	9	18	29	36	8
PA	20	13	19	34	14
SD	3	10	28	50	9
TN	27	32	29	12	0
TX	3	6	18	46	27
WI	11	19	25	29	16
18 States	6	12	24	42	16
Prev Week	6	12	26	41	15
Prev Year	7	11	24	41	17

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

State	PERCENT DOUGH			
	Curr	Last Wk	2006	Avg
CO	54	35	53	40
IL	94	90	87	85
IN	89	73	81	72
IA	73	52	74	64
KS	90	80	85	87
KY	82	72	88	84
MI	77	42	74	43
MN	73	58	71	51
MO	92	85	96	92
NE	88	77	89	82
NC	96	94	99	94
ND	73	60	76	59
OH	76	67	75	68
PA	54	35	74	60
SD	76	41	70	58
TN	99	96	99	98
TX	86	79	98	96
WI	61	39	59	45
18 States	81	66	79	70

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

State	PERCENT DENT			
	Curr	Last Wk	2006	Avg
CO	14	4	16	9
IL	60	40	50	45
IN	41	22	34	29
IA	39	14	34	23
KS	64	38	61	55
KY	59	47	58	59
MI	20	3	24	9
MN	37	18	22	13
MO	65	49	79	71
NE	46	26	49	36
NC	85	75	85	78
ND	16	4	31	12
OH	24	8	21	16
PA	25	7	39	24
SD	28	10	29	17
TN	95	86	92	90
TX	79	65	88	83
WI	19	2	16	7
18 States	43	24	40	31

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

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.