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# 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

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KGC 24-03

**AGRICULTURAL NEWS:** Wet conditions halted fieldwork. That seemed to be the consensus among farmers in the State. With the rain and cooler temperatures, crops still looked good, except for some bottom land fields that experienced some damage from the standing water. Working between showers farmers cut and housed tobacco, cut hay, and harvested early maturing corn. Days suitable for fieldwork averaged 2.4 out of a possible seven days. Topsoil moisture as of Friday, September 5 was rated 2 percent short, 57 percent adequate and 41 percent surplus. Subsoil moisture was rated 5 percent short, 63 percent adequate and 32 percent surplus.

**TOBACCO:** When weather permitted, a few more fields of tobacco were cut and housed. For the most part, the housed tobacco continued to cure well. Twenty-eight percent of the early housed tobacco showed some houseburn, and a few reports indicated some blue mold in a few tobacco fields. Late maturing fields were topped and sprayed for suckers and insects. Condition of the tobacco was reported as 2 percent very poor, 7 percent poor, 25 percent fair, 47 percent good, and 19 percent excellent. Forty-four percent of burley tobacco has been cut, compared to 66 percent for 2002 and 70 percent for the 5 year average. **Dark tobacco** cut was 45 percent, behind last year's 57 percent and the 5 year average of 65 percent.

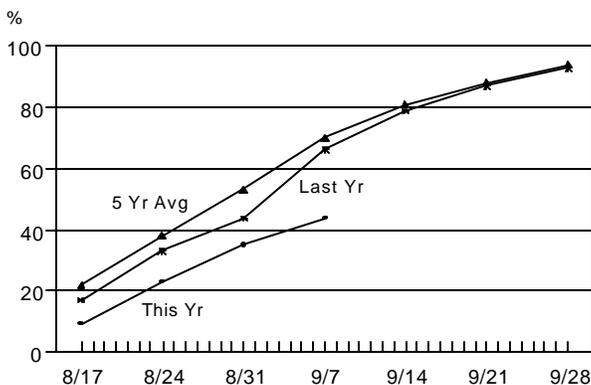
**CORN:** Corn harvested for grain looks very good. Rain kept many farmers from getting into the fields to harvest the crop. If the showers hold off for a few more days,

harvesting the corn should be well under way. Condition of the corn crop was 1 percent very poor, 4 percent poor, 26 percent fair, 40 percent good, and 29 percent excellent. By Sunday, September 7, 88 percent of the corn has reached the dent stage or beyond, compared to 94 percent a year ago and 95 for the 5 year average. Corn was 60 percent mature, also behind 69 percent a year ago and 70 percent for the 5 year average. Fourteen percent of the corn crop has been harvested, compared with 33 percent last year and 23 percent for the 5 year average.

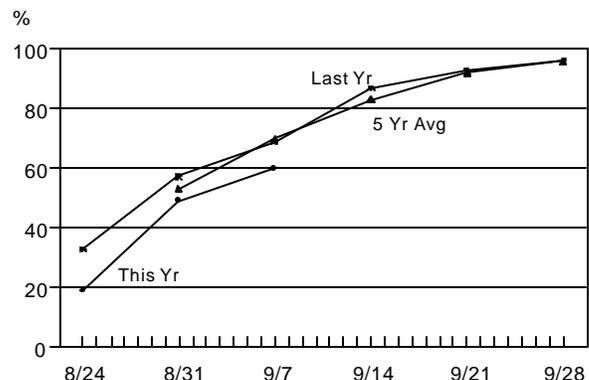
**SOYBEANS:** Crop condition was rated 1 percent poor, 17 percent fair, 55 percent good, and 27 percent excellent. Ninety-three percent of the soybeans was setting pods, behind 2002's progress of 97 percent, and slightly behind the 5 year average of 94 percent. Only 12 percent of the soybean crop's leaves were turning yellow, compared to 37 percent for both last year and the 5 year average. Soybeans dropping leaves was 3 percent, compared with 16 percent a year ago, and the 5 year average of 17 percent. The additional showers this week should aid the double-cropped soybeans in filling pods. A few reports indicated some lodging and aphids.

**OTHER CROPS:** Farmers tried to cut **hay** this week, when it was not raining. Condition of the hay crop was rated 2 percent poor, 22 percent fair, 52 percent good, and 24 percent excellent. The showers improved the condition of **pastures**, which were rated at 3 percent poor, 19 percent fair, 55 percent good, and 23 percent excellent.

**BURLEY TOBACCO PERCENT CUT PROGRESS**



**CORN MATURE OR BEYOND PROGRESS**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING SEPTEMBER 7, 2003  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Setting Pods	93	97	94	83	96
Turning Yellow	12	37	37	6	NA
Shedding Leaves	3	16	17	1	7
Corn					
Dent Stage	88	94	95	86	57
Mature	60	69	70	49	13
Harvested	14	33	23	5	NA
Burley Tobacco Cut	44	66	70	35	NA
Dark Tobacco Cut	45	57	65	29	NA

**SOIL MOISTURE**  
WEEK ENDING SEPTEMBER 5, 2003  
WITH COMPARISONS

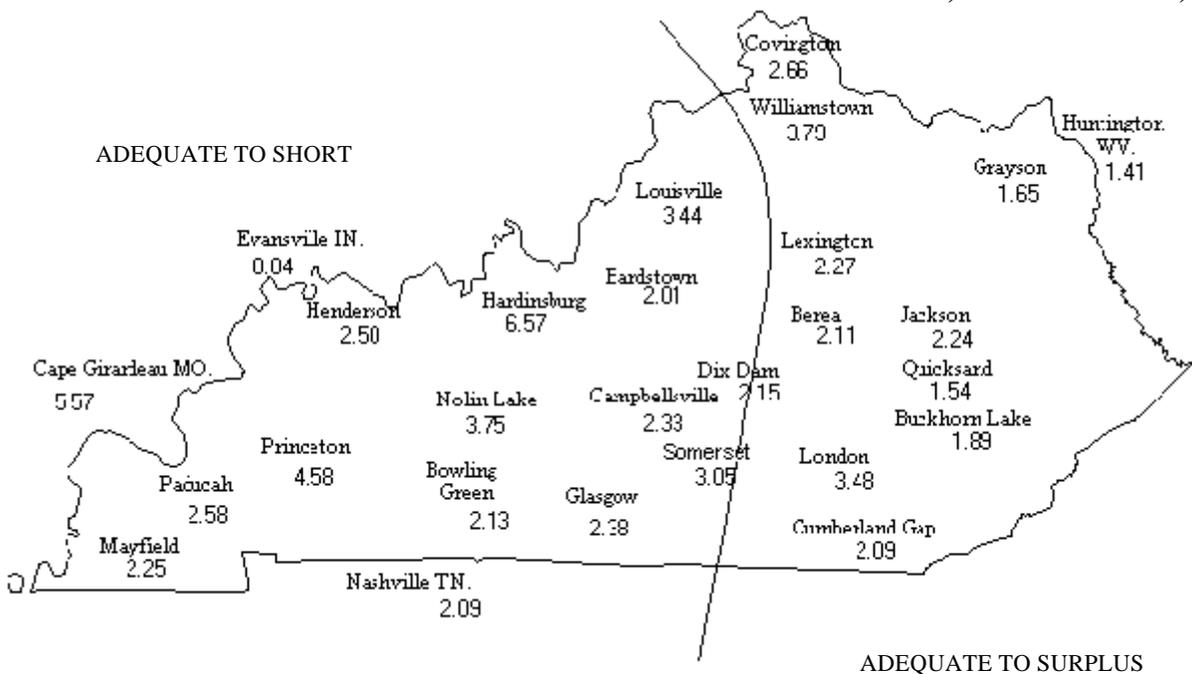
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	3
Short	2	26
Adequate	57	62
Surplus	41	9
<b>SUBSOIL</b>		
Very Short	0	2
Short	5	22
Adequate	63	69
Surplus	32	7

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING SEPTEMBER 5, 2003					WEEK ENDING AUGUST 29, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	4	26	40	29	2	5	20	42	31
Soybeans	0	1	17	55	27	0	2	17	49	32
Pasture	0	3	19	55	23	2	6	28	47	17
Hay Crops	0	2	22	52	24	1	4	23	52	20
Tobacco in Field	2	7	25	47	19	2	7	25	45	21

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 7, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 5, 2003**



# **KENTUCKY WEATHER SUMMARY, SEPTEMBER 1 - 7, 2003:**

## **NEAR NORMAL TEMPERATURES AND MUCH ABOVE NORMAL RAINFALL:**

The combined influence of Gulf moisture from the remnants of Tropical Storm Grace and a stalled frontal system over the Ohio Valley provided frequent and often times intense rainfall across the Commonwealth during most of the workweek. Flooding was reported in many areas of the State. This occurred after the 2nd wettest April through August on record. Drier conditions returned on Friday and remained through the weekend.

Temperatures for the week averaged 71 degrees across the State which was near normal and 8 degrees cooler than the previous week. High temperatures averaged from 79 in the West to 78 in the East. Departure from normal high temperatures ranged from 5 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 63 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 4 degrees above normal in the East.

Rainfall for the period totaled 2.77 inches statewide which was 1.97 inches above normal. Rainfall totals by climate division, West 3.05 inches, Central 3.38 inches, Bluegrass 2.48 inches and East 2.17 inches, which was 2.24, 2.53, 1.71 and 1.39 inches respectively above normal. By station, rainfall totals ranged from a low of 0.84 inches at Evansville to a high of 6.57 inches at Hardinsburg.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 7, 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	2.01	32.03	5.83	+10.34	+2.42	87	54	70.1	-1	138	3056	+48
Berea	2.11	31.49	4.24	+9.13	+0.60	85	54	70.6	+1	143	3104	-4
Bowling Green	2.13	29.19	4.01	+6.64	+0.76	90	55	72.4	+2	153	3247	+109
Bristol	2.39	39.67	5.64	+20.68	+2.73	86	56	70.9	+1	144	2951	+65
Buckhorn Lake	1.89	33.00	4.56	+11.65	+1.23	85	54	70.7	+1	144	2962	+236
Cape Girardeau	5.57	33.64	10.55	+12.69	+7.35	85	52	70.3	-2	140	3222	-70
Campbellsville	2.33	32.42	4.98	+7.31	+0.80	89	55	72.3	+2	152	3236	+158
Covington	2.66	24.20	5.62	+4.07	+2.68	83	55	69.4	-0	134	2794	-56
Cumberland Gap	2.09	36.72	4.85	+13.25	+1.20	87	57	71.9	+2	150	3066	+210
Dix Dam	2.15	31.96	4.80	+9.67	+1.36	86	54	69.9	+0	137	3057	+11
Evansville	0.84	19.55	1.71	-0.55	-1.09	88	53	70.9	-2	143	3119	-20
Glasgow	2.38	33.93	5.57	+9.47	+1.93	91	55	73.5	+3	159	3339	+291
Grayson	1.65	31.93	4.34	+10.95	+1.16	87	54	70.3	+1	139	2938	+242
Hardinsburg	6.57	30.71	8.17	+8.34	+4.76	88	53	70.1	-1	138	3100	-45
Henderson	2.50	31.44	3.43	+10.77	+0.48	88	53	70.8	-2	142	3143	-26
Huntington	1.41	32.29	4.28	+11.21	+0.96	87	54	70.4	+1	140	2918	+38
Jackson	2.24	28.94	4.38	+6.46	+0.84	85	54	70.1	+0	139	2907	+181
Lexington	2.27	30.32	4.58	+8.63	+1.17	86	53	69.0	-1	131	2964	+77
London	3.48	37.03	5.82	+16.35	+2.77	86	54	70.8	+1	143	2944	+95
Louisville	3.44	31.29	5.91	+10.19	+2.77	87	55	70.1	-1	138	3073	-97
Mayfield	2.25	19.58	2.90	-3.10	-0.62	87	54	70.9	-2	145	3074	-132
Nashville	2.09	26.77	4.32	+5.72	+1.18	90	61	74.9	+4	172	3430	+63
Nolin Lake	3.75	30.33	5.80	+6.62	+2.28	89	55	71.9	+1	150	3231	+314
Paducah	2.58	26.21	5.09	+3.82	+1.97	86	53	71.0	-2	145	3273	+12
Princeton	4.58	28.23	6.03	+5.54	+2.54	89	54	72.1	-0	151	3290	+53
Quicksand	1.54	35.23	4.21	+12.75	+0.67	85	54	70.5	+1	142	2972	+246
Somerset	3.05	38.45	4.62	+15.05	+1.03	87	54	71.4	+2	148	3069	+122
Spindletop	1.92	24.53	5.50	+2.84	+2.09	85	53	68.4	-1	127	2875	-12
Williamstown	3.79	28.53	6.54	+7.20	+3.27	84	53	69.6	-0	135	2998	+111

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 AUGUST 31, 2003

### CORN DENTED

State	Curr	Last Wk	2002	Avg
CO	50	29	32	36
IL	62	42	63	73
IN	41	21	41	69
IA	61	27	70	69
KS	77	69	76	82
KY	86	71	90	90
MI	18	3	17	35
MN	56	23	53	57
MO	87	75	85	86
NE	62	42	74	71
NC	82	67	93	88
ND	63	24	39	58
OH	32	13	32	48
PA	22	7	52	41
SD	44	18	54	53
TN	98	94	98	94
TX	90	84	94	92
WI	27	7	37	34
18 States	57	34	60	65

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

### SOYBEAN SETTING PODS

State	Curr	Last Wk	2002	Avg
AR	94	91	95	90
IL	96	90	97	96
IN	93	82	94	98
IA	99	98	100	99
KS	86	81	93	94
KY	83	66	86	87
LA	98	88	100	100
MI	97	94	100	96
MN	99	99	99	99
MS	100	99	100	100
MO	90	83	91	90
NE	98	95	100	99
NC	68	55	69	71
ND	100	99	100	100
OH	98	88	95	99
SD	100	98	100	98
TN	95	81	96	90
WI	94	89	97	95
18 States	96	91	97	96

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

## CROP CONDITION FOR WEEK ENDING AUGUST 31, 2003

### CORN

State	VP	P	F	G	EX
CO	4	12	21	50	13
IL	3	9	28	49	11
IN	5	11	28	43	13
IA	8	20	36	33	3
KS	19	28	33	17	3
KY	2	5	20	42	31
MI	2	9	21	49	19
MN	9	20	38	30	3
MO	27	29	26	14	4
NE	16	15	22	32	15
NC	1	4	25	54	16
ND	6	14	34	40	6
OH	2	7	25	43	23
PA	3	6	21	40	30
SD	7	19	26	40	8
TN	2	3	15	56	24
TX	17	19	32	28	4
WI	18	22	35	22	3
18 States	9	16	29	36	10
Prev Week	8	13	29	39	11
Prev Year	13	17	29	33	8

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

### SOYBEANS

State	VP	P	F	G	EX
AR	4	10	29	40	17
IL	4	9	32	45	10
IN	4	10	30	45	11
IA	9	23	38	27	3
KS	18	35	35	12	0
KY	0	2	17	49	32
LA	10	19	29	36	6
MI	3	9	27	48	13
MN	9	21	40	27	3
MS	0	5	16	36	43
MO	27	29	27	14	3
NE	16	21	32	25	6
NC	1	4	27	63	5
ND	4	13	32	44	7
OH	3	9	26	47	15
SD	5	17	25	45	8
TN	0	2	15	59	24
WI	18	21	34	23	4
18 States	8	16	31	36	9
Prev Week	8	13	31	38	10
Prev Year	9	15	30	37	9

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

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