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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 24-04

**AGRICULTURAL NEWS:** Another week of above average temperatures and occasional showers across Kentucky aided late crop development. Corn and soybean yields are expected to be above average. Crop conditions remained the same, due to the occasional and timely showers. The number of days suitable for fieldwork was 5.2 out of a possible seven days. The main farm activities continued to be cutting and housing tobacco, harvesting corn, cutting and baling hay, and clipping pastures. As of Friday, September 3, **topsoil moisture** was rated 1 percent very short, 17 percent short, 74 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 1 percent very short, 19 percent short, 73 percent adequate and 7 percent surplus.

**TOBACCO:** Quality of the cut tobacco continues to be average. The condition of tobacco in the field was 3 percent very poor, 8 percent poor, 22 percent fair, 47 percent good, and 20 percent excellent. Burley tobacco cut through Sunday, September 5, reached 65 percent. The pace was much faster than last year with 41 percent and the 5 year average of 62 percent. Dark tobacco was 58 percent cut, ahead of last year at 40 percent and 57 percent for the average. Twenty-four percent of the early housed tobacco shows some burn.

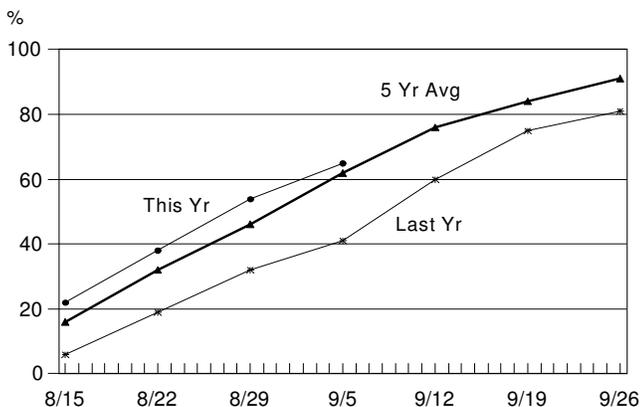
**CORN:** On Sunday, September 5, the corn crop condition was reported as 4 percent poor, 15 percent fair, 46 percent good, and 35 percent excellent. Most fields look good to

excellent, though there is some concern about stalk strength in a few stands in low-lying areas. Corn dented was at 91 percent, compared with 87 percent a year ago, and 95 percent for the 5 year average. Sixty percent of the crop was considered mature, between last year's 57 percent, and the 5 year average at 69 percent. Harvesting gained momentum in most areas. One-tenth of the crop has been harvested. In 2003, combining was at 11 percent, with the 5 year average at 21 percent.

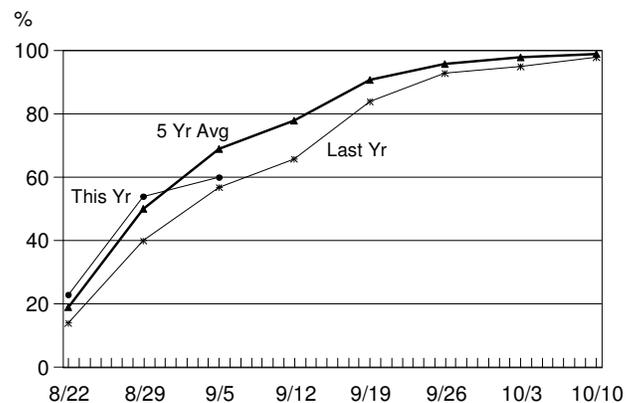
**SOYBEANS:** Soybeans continue to benefit from occasional showers, but more is needed for double-cropped fields. A few reports indicated some diseased plants, but most fields are in good shape. Condition was rated 3 percent poor, 19 percent fair, 44 percent good, and 34 percent excellent. Ninety-five percent of the soybean crop has set pods, compared with 2003's 90 percent and 92 percent for the 5 year average. One-quarter of the crop had leaves yellowing by Sunday, ahead of the 10 percent for a year ago, but behind the 5 year average of 28 percent. Soybeans shedding leaves reached 10 percent, between the 2 percent for last year and 12 percent for the 5 year average.

**OTHER CROPS:** **Pasture** quality remained mostly good, with conditions rated as 1 percent very poor, 4 percent poor, 27 percent fair, 50 percent good and 18 percent excellent. Additional rain will help maintain quality. More **hay** was cut this week between showers. Conditions were 1 percent very poor, 5 percent poor, 24 percent fair, 51 percent good, and 19 percent excellent.

**BURLEY TOBACCO PERCENT CUT PROGRESS**



**CORN MATURE OR BEYOND PROGRESS**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING SEPTEMBER 5, 2004  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Setting Pods	95	90	92	87	95
Turning Yellow	25	10	28	15	NA
Shedding Leaves	10	2	12	5	6
Corn					
Dent Stage	91	87	95	85	46
Mature	60	57	69	54	11
Harvested	10	11	21	5	NA
Burley Tobacco Cut	65	41	62	54	NA
Dark Tobacco Cut	58	40	57	47	NA

**SOIL MOISTURE**  
WEEK ENDING SEPTEMBER 3, 2004  
WITH COMPARISONS

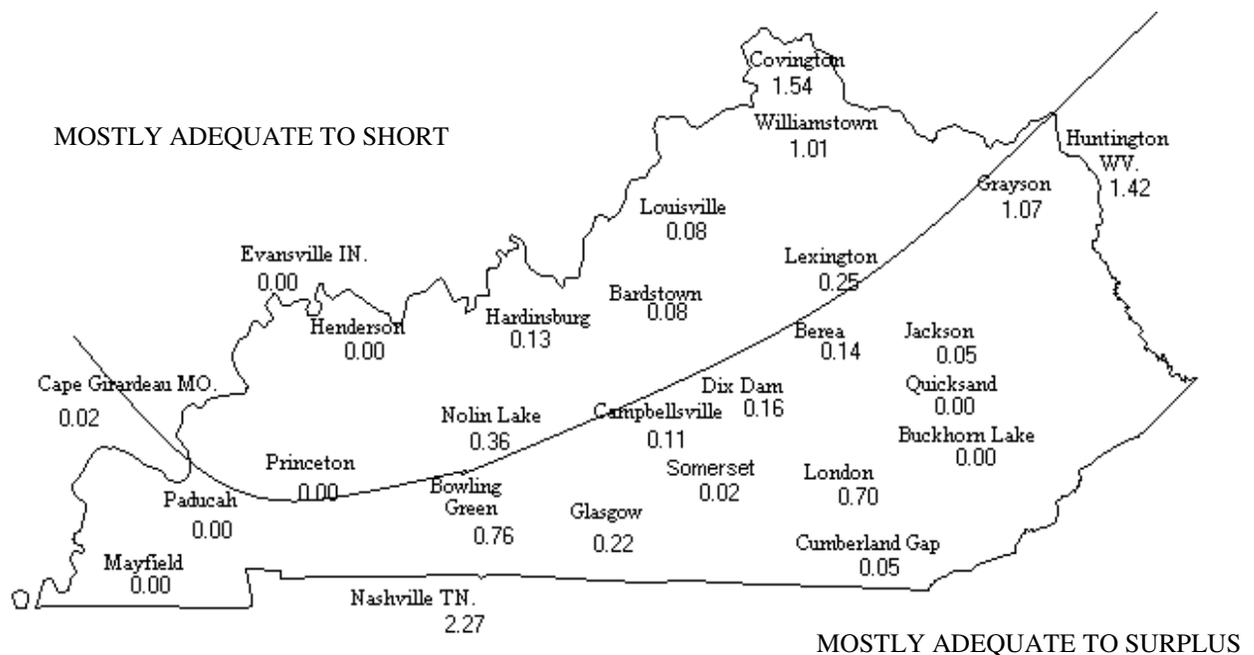
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	1	1
Short	17	14
Adequate	74	73
Surplus	8	12
<b>SUBSOIL</b>		
Very Short	1	1
Short	19	15
Adequate	73	75
Surplus	7	9

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING SEPTEMBER 3, 2004					WEEK ENDING AUGUST 27, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	0	4	15	46	35	0	4	13	46	37
Soybeans	0	3	19	44	34	0	4	19	42	35
Pasture	1	4	27	50	18	1	5	20	55	19
Hay Crops	1	5	24	51	19	1	4	20	52	23
Tobacco in Field	3	8	22	47	20	2	8	21	49	20

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 5, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 3, 2004**



# KENTUCKY WEATHER SUMMARY, AUGUST 30 - SEPTEMBER 5, 2004:

## ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

The work week started out with below normal temperatures and scattered showers in central and eastern sections of the State from Hurricane Charlie which was located over the Carolina's on Monday and Tuesday. High pressure moved east of the Ohio Valley on Wednesday which allowed winds to shift from the south. This set the stage for warmer, humid rain free weather for the remainder of the week. The second week in a row with above normal temperatures after a very cool June, July and August.

Temperatures for the period averaged 73 degrees across the State which was 1 degree above normal. High temperatures averaged from 83 degrees in the West to 81 degrees in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to near normal in the East. Low temperatures averaged from 62 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 4 degrees above normal in the East.

Rainfall for the week totaled 0.31 inches statewide which was 0.50 inches below normal. Rainfall totals by climate division, West 0.00 inches, Central 0.27 inches, Bluegrass 0.56 inches and East 0.41 inches, which was 0.80, 0.58, 0.24 and 0.39 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Buckhorn Lake to a high of 2.27 inches at Nashville.

Tom Priddy

### KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, SEPTEMBER 5, 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	0.08	33.39	1.56	+11.92	-1.89	87	57	71.9	+1	151	3049	+77		
Berea	0.14	28.67	3.07	+6.57	-0.56	85	57	72.6	+3	156	3196	+126		
Bowling Green	0.76	28.26	3.62	+5.96	+0.40	86	59	73.4	+3	162	3256	+156		
Bristol	0.45	21.54	2.36	+2.77	-0.54	86	57	72.3	+2	154	2989	+139		
Buckhorn Lake	0.00	22.64	0.35	+1.53	-2.97	86	59	72.6	+3	158	3006	+314		
Cape Girardeau	0.02	21.61	3.80	+0.90	+0.62	88	55	72.1	-1	150	3206	-48		
Campbellsville	0.11	25.65	2.04	+0.85	-2.12	86	59	73.0	+2	160	3156	+116		
Covington	1.54	25.23	3.37	+5.29	+0.40	85	59	72.2	+2	154	2870	+54		
Cumberland Gap	0.05	17.93	0.50	-5.33	-3.23	86	59	72.6	+3	158	3063	+243		
Dix Dam	0.16	28.10	2.16	+6.04	-1.30	86	58	72.2	+2	153	3079	+71		
Evansville	0.00	20.89	2.91	+0.98	+0.11	87	57	73.2	+0	160	3228	+127		
Glasgow	0.22	25.98	1.80	+1.78	-1.84	88	59	74.9	+4	173	3384	+374		
Grayson	1.07	22.98	4.33	+2.18	+1.09	85	58	72.4	+2	155	3033	+371		
Hardinsburg	0.13	25.50	3.65	+3.37	+0.24	86	58	72.7	+2	158	3182	+77		
Henderson	0.00	22.22	4.79	+1.78	+1.86	84	59	72.1	-1	154	3157	+26		
Huntington	1.42	21.31	5.11	+0.41	+1.72	85	58	72.4	+2	155	3068	+222		
Jackson	0.05	31.28	1.61	+9.03	-1.95	85	59	72.4	+2	156	2958	+266		
Lexington	0.25	32.60	3.14	+11.13	-0.31	86	58	72.1	+2	153	2950	+99		
London	0.70	28.00	2.49	+7.55	-0.55	84	60	72.3	+2	155	2971	+156		
Louisville	0.08	31.18	3.18	+10.29	+0.03	87	58	72.5	+2	155	3138	+6		
Mayfield	0.00	14.02	1.24	-8.39	-2.26	86	59	72.6	-0	158	3099	-67		
Nashville	2.27	25.91	4.12	+5.09	+0.98	87	66	75.6	+5	178	3456	+131		
Nolin Lake	0.36	26.30	3.16	+2.87	-0.33	86	59	73.6	+3	164	3251	+370		
Paducah	0.00	16.13	1.33	-6.02	-1.76	89	56	73.2	+0	160	3315	+92		
Princeton	0.00	23.95	1.82	+1.49	-1.71	89	58	73.0	+0	158	3288	+91		
Quicksand	0.00	26.77	0.67	+4.52	-2.89	86	59	72.6	+3	158	3006	+314		
Somerset	0.02	25.63	2.54	+2.49	-1.04	84	60	71.6	+2	149	2933	+22		
Spindletop	0.26	26.80	1.30	+5.33	-2.15	86	57	71.7	+2	150	2912	+61		
Williamstown	1.01	21.87	3.28	+0.75	-0.02	85	59	72.3	+2	155	2971	+120		

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 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 29, 2004

### CORN DENTED

State	Curr	Last Wk	2003	Avg
CO	11	8	44	34
IL	76	67	56	68
IN	67	52	35	60
IA	39	19	51	59
KS	70	63	75	77
KY	85	75	82	88
MI	9	2	14	21
MN	6	4	47	44
MO	85	78	84	84
NE	46	31	56	63
NC	95	93	78	86
ND	2	2	52	50
OH	49	33	27	41
PA	44	36	18	36
SD	17	11	37	46
TN	99	97	97	94
TX	91	85	88	90
WI	4	1	21	24
18 States	46	36	50	57

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

### SOYBEAN SETTING PODS

State	Curr	Last Wk	2003	Avg
AR	95	92	93	91
IL	97	94	94	96
IN	98	95	90	95
IA	99	98	99	99
KS	86	84	85	90
KY	87	79	78	86
LA	100	99	95	98
MI	87	82	96	94
MN	95	90	99	99
MS	100	100	100	100
MO	93	81	88	88
NE	99	95	97	98
NC	77	66	64	66
ND	99	95	100	100
OH	97	93	95	97
SD	98	93	99	98
TN	95	89	91	90
WI	81	78	93	91
18 States	95	91	94	95

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

## CROP CONDITION FOR WEEK ENDING AUGUST 29, 2004

### CORN

State	VP	P	F	G	EX
CO	3	5	12	44	36
IL	1	3	17	54	25
IN	2	5	15	51	27
IA	2	6	19	52	21
KS	2	6	16	50	26
KY	0	4	13	46	37
MI	6	13	35	37	9
MN	4	12	35	42	7
MO	1	3	15	56	25
NE	2	6	21	45	26
NC	2	4	19	63	12
ND	6	20	33	33	8
OH	4	10	26	44	16
PA	1	2	10	41	46
SD	3	10	27	44	16
TN	1	3	11	52	33
TX	0	2	13	49	36
WI	5	20	23	40	12
18 States	2	7	21	49	21
Prev Week	2	7	20	48	23
Prev Year	9	16	29	36	10

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

### SOYBEANS

State	VP	P	F	G	EX
AR	1	6	24	46	23
IL	2	4	23	53	18
IN	4	6	18	51	21
IA	2	7	23	50	18
KS	1	3	16	58	22
KY	0	4	19	42	35
LA	6	21	32	33	8
MI	4	12	34	42	8
MN	8	14	34	38	6
MS	1	4	13	47	35
MO	2	6	23	55	14
NE	3	11	27	46	13
NC	1	5	20	65	9
ND	4	15	38	37	6
OH	5	10	28	44	13
SD	2	9	27	47	15
TN	2	5	16	52	25
WI	3	12	30	36	19
18 States	3	8	25	48	16
Prev Week	2	7	24	50	17
Prev Year	8	16	31	36	9

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

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