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**LELAND E. BROWN, Director**

# 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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**AGRICULTURAL NEWS:** The second week of September brought sunny skies and slightly above normal temperatures throughout most of the State. Mild weather continued during the week in western Kentucky, but hurricane remnants brought rain and clouds to the eastern portion. Days suitable for fieldwork averaged 4.9 out of a possible seven days. Temperatures across the State averaged 71 degrees, 2 degrees above normal. Precipitation for the period totaled 1.12 inches statewide which was 0.31 inches above normal. As of Friday, September 10, **topsoil moisture** was rated 1 percent very short, 16 percent short, 67 percent adequate, and 16 percent surplus. **Subsoil moisture** was rated 1 percent very short, 15 percent short, 75 percent adequate and 9 percent surplus. Main farming activities for the week included tobacco spraying, topping, cutting and housing, corn harvesting, cattle feeding, and fall seeding of pasture and hay. Farmers also reported some early harvesting of soybeans.

**TOBACCO:** Producers report a progressive tobacco harvest in the western part of the State with good to excellent crop condition. Hurricane remnants induced flooding in parts of eastern Kentucky, which put a slight damper on fieldwork. Blue mold damage is still prevalent in scattered parts of the State. Condition of housed tobacco has been reported as mostly fair to good with only moderate to light signs of houseburn. As of Friday, September 10, tobacco set condition was 3 percent very poor, 8 percent poor, 18 percent fair, 53 percent good, and 18 percent excellent. The **burley** crop was 75 percent cut, well ahead of last year's 60 percent and only 1 percent behind the 5 year average. **Dark tobacco** was 70 percent cut, compared to 59 percent last year and 73 percent for the 5 year average.

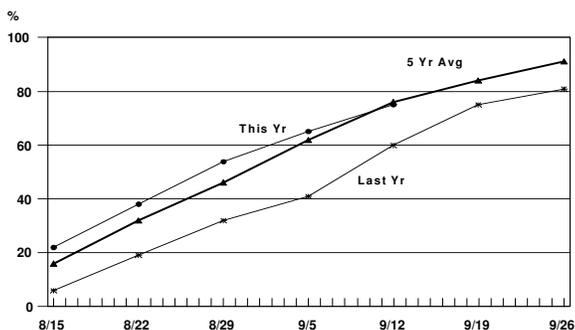
**CORN:** Corn yields are good to excellent with some areas reporting almost thirty percent of the crop harvested. Recent

lack of rainfall and warmer temperatures have increased the dry down rate for corn. Although some water damage and ear rot have been reported, most producers do not think it will affect their yields. As of Friday, September 10, corn condition was reported as 4 percent poor, 12 percent fair, 45 percent good, and 39 percent excellent. The corn crop was 95 percent dented, compared to 91 percent last year and the five year average of 97. Seventy-seven percent of the corn crop was mature, 11 percent ahead of last year and 1 percent behind the 5 year average. Corn harvesting had reached 27 percent complete, compared to 20 percent last year and 33 percent for the 5 year average.

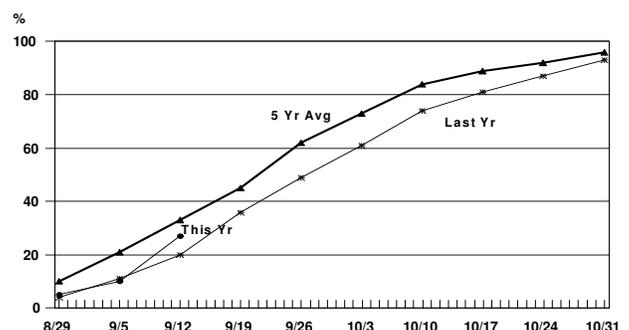
**SOYBEANS:** Early soybean harvest has begun in some areas of the State with mostly good to excellent yield indications. However, the western part of the State could use a good rain to keep late growth on track. Only a few producers have reported disease problems. Crop condition was 3 percent poor, 13 percent fair, 51 percent good, and 33 percent excellent. Thirty-nine percent of the intended soybean acres have turned yellow, compared to 22 percent last year, and 47 percent for the 5 year average. As of Sunday, September 12, 20 percent of the soybean crop were dropping leaves, compared with 7 percent last year and 26 percent for the 5 year average.

**OTHER CROPS:** Farmers have begun chopping silage and harvesting fall **hay** in some western areas of the State. Flooding has caused some hay crop damage in eastern Kentucky. Hay crop condition was reported as 1 percent very poor, 4 percent poor, 23 percent fair, 53 percent good, and 19 percent excellent. A few farmers also reported feeding hay to their cattle. **Pastures** are showing some sign of dormancy in western Kentucky due to a recent lack of rain. Range and pasture condition was reported at 1 percent very poor, 4 percent pasture poor, 20 percent fair, 54 percent good, and 21 percent excellent.

**BURLEY TOBACCO PERCENT CUT PROGRESS**



**CORN HARVESTED PROGRESS**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING SEPTEMBER 12, 2004  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Turning Yellow	39	22	47	25	NA
Shedding Leaves	20	7	26	10	15
Corn					
Dent Stage	95	91	97	91	61
Mature	77	66	78	60	17
Harvested	27	20	33	10	NA
Burley Tobacco Cut	75	60	76	65	NA
Dark Tobacco Cut	70	59	73	58	NA

(NA) Data Not Available.

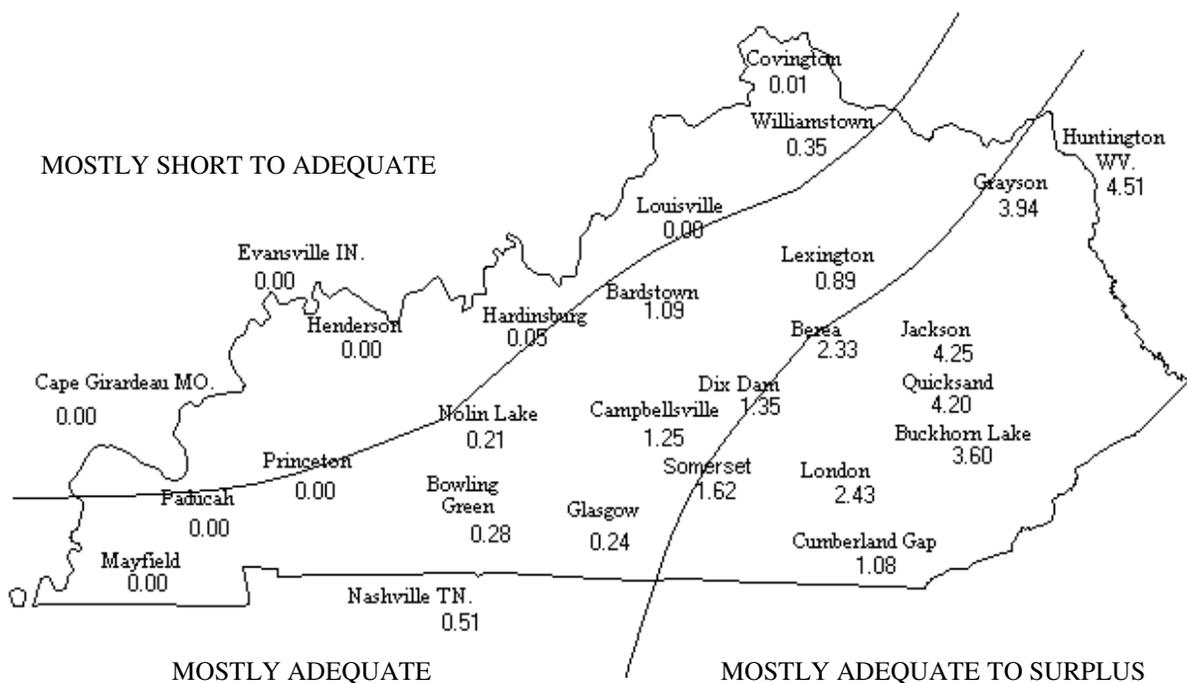
**SOIL MOISTURE**  
WEEK ENDING SEPTEMBER 10, 2004  
WITH COMPARISONS

	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	1	1
Short	16	17
Adequate	67	74
Surplus	16	8
<b>SUBSOIL</b>		
Very Short	1	1
Short	15	19
Adequate	75	73
Surplus	9	7

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING SEPTEMBER 10, 2004					WEEK ENDING SEPTEMBER 3, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	0	4	12	45	39	0	4	15	46	35
Soybeans	0	3	13	51	33	0	3	19	44	34
Pasture	1	4	20	54	21	1	4	27	50	18
Hay Crops	1	4	23	53	19	1	5	24	51	19
Tobacco in Field	3	8	18	53	18	3	8	22	47	20

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 12, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 10, 2004**



# **KENTUCKY WEATHER SUMMARY, SEPTEMBER 6 - 12, 2004:**

## **ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:**

The Labor Day weekend concluded with sunny skies and slightly above normal temperatures as highs were in the upper 80's to low 90's. The mild weather continued through the week in western Kentucky, but the remnants of Hurricane Frances brought clouds and rain to the eastern half of the State. Maximum rainfall values were in the 5-8 inch range. The weather improved drastically by the weekend as high pressure settled in bringing clearer skies and warmer temperatures, but there were a few more clouds and isolated showers on Sunday. This is the third consecutive week where temperatures have averaged above normal. Across the State, average precipitation values were above normal due to the large amount of rain in the east, but little to no rain fell to the west of I-65.

Temperatures for the period averaged 71 degrees across the State which was 2 degrees above normal. High temperatures averaged from 83 degrees in the West to 79 degrees in the East. Departure from normal high temperatures ranged from 0 degree from normal in the West to 1 degree below normal in the East. Low temperatures averaged from 60 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 0 degree from normal in the West to 5 degrees above normal in the East. The extreme high temperature this week was 91 degrees in Glasgow and Princeton. The extreme low temperature was 52 in Paducah.

Rainfall for the period totaled 1.12 inches statewide which was 0.31 inches above normal. Precipitation totals by climate division, West 0.00 inches, Central 0.31 inches, Bluegrass 0.95 inches and East 3.20 inches, which was -0.82, -0.54, +0.18 and +2.42 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Henderson, Louisville, and Paducah to a high of 4.25 inches at Jackson.

Tom Priddy

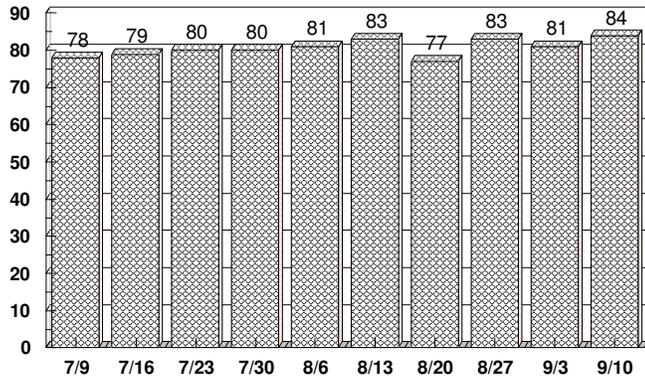
### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 12, 7:00 P.M.**

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	1.09	34.48	2.41	+12.26	-0.90	88	57	71.6	+2	150	3199	+101
Berea	2.33	31.00	5.03	+7.97	+1.37	87	56	71.1	+3	146	3342	+139
Bowling Green	0.28	28.54	3.50	+5.37	+0.20	89	57	71.2	+2	144	3400	+167
Bristol	0.95	22.49	1.99	+2.96	-0.95	84	56	70.1	+2	139	3128	+152
Buckhorn Lake	3.60	26.24	3.95	+4.28	+0.60	88	57	71.1	+3	145	3151	+340
Cape Girardeau	0.00	21.61	3.79	+0.06	+0.56	89	47	69.6	-1	137	3343	-44
Campbellsville	1.25	26.90	2.90	+1.01	-1.31	88	58	71.8	+3	149	3305	+132
Covington	0.01	25.24	3.38	+4.63	+0.50	86	54	69.9	+2	137	3007	+72
Cumberland Gap	1.08	19.01	1.58	-4.97	-1.89	88	57	71.1	+3	145	3208	+262
Dix Dam	1.35	29.45	3.27	+6.60	-0.11	87	57	71.1	+3	145	3224	+83
Evansville	0.00	20.89	2.91	+0.29	+0.12	88	53	71.2	+0	147	3375	+141
Glasgow	0.24	26.22	1.98	+1.11	-1.66	91	55	73.2	+4	156	3540	+397
Grayson	3.94	26.92	7.65	+5.48	+4.61	87	58	70.6	+2	142	3175	+394
Hardinsburg	0.05	25.55	3.64	+2.57	+0.23	90	56	71.6	+2	148	3330	+85
Henderson	0.00	22.22	4.79	+0.98	+1.77	90	55	71.1	-0	144	3301	+37
Huntington	4.51	25.82	8.92	+4.27	+5.77	87	57	70.8	+3	143	3211	+246
Jackson	4.25	35.53	5.08	+12.46	+1.60	88	60	70.2	+2	139	3097	+286
Lexington	0.89	33.49	3.92	+11.27	+0.61	86	55	70.7	+2	143	3093	+116
London	2.43	30.43	3.89	+9.17	+0.79	87	57	69.6	+1	135	3106	+172
Louisville	0.00	31.18	3.15	+9.56	+0.06	90	57	71.8	+3	150	3288	+23
Mayfield	0.00	14.02	1.22	-9.32	-2.34	88	57	71.1	+0	145	3244	-62
Nashville	0.51	26.42	4.42	+4.81	+1.27	91	61	73.9	+5	162	3618	+146
Nolin Lake	0.21	26.51	3.21	+2.09	-0.41	89	57	71.2	+2	144	3395	+388
Paducah	0.00	16.13	1.30	-6.88	-1.90	90	52	72.1	+1	151	3466	+110
Princeton	0.00	23.95	1.76	+0.71	-1.64	91	54	72.6	+1	153	3441	+104
Quicksand	4.20	30.97	4.87	+7.90	+1.39	88	57	71.1	+3	145	3151	+340
Somerset	1.62	27.25	3.33	+3.18	-0.29	88	58	70.6	+2	143	3076	+39
Spindletop	0.76	27.56	1.96	+5.34	-1.35	85	53	69.8	+2	138	3050	+73
Williamstown	0.35	22.22	3.59	+0.35	+0.39	86	54	70.2	+2	139	3110	+133

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/>

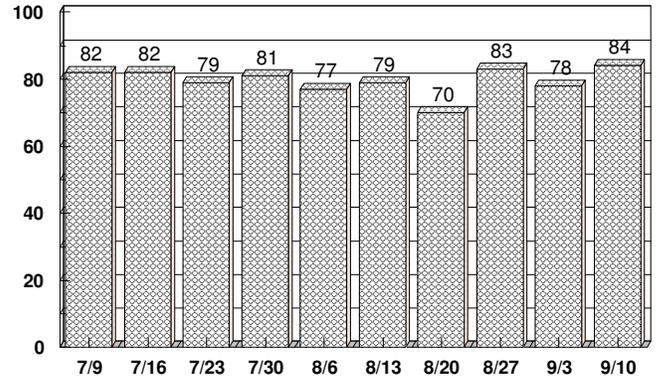
### CORN CONDITION

% Good to Excellent

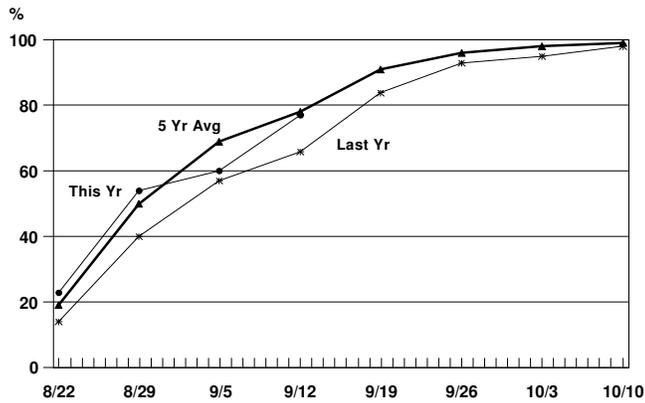


### SOYBEAN CONDITION

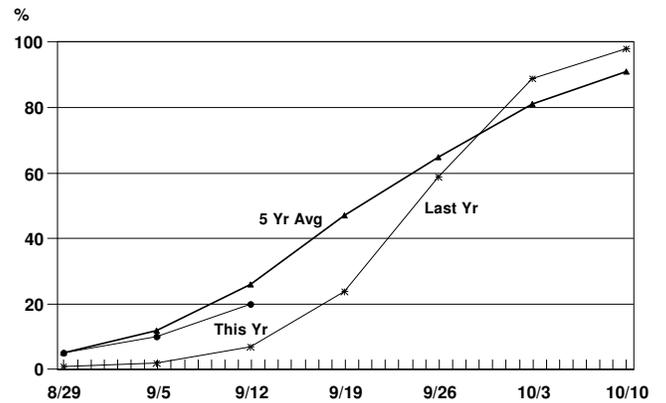
% Good to Excellent



### CORN MATURE OR BEYOND PROGRESS



### SOYBEANS SHEDDING LEAVES OR BEYOND



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