



# KENTUCKY WEEKLY CROP & WEATHER REPORT



Kentucky Agricultural Statistics Service  
P.O. Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277

Prepared 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*

Issued 4:00 P.M., June 28, 2004

JMB 14-04

**AGRICULTURAL NEWS:** Kentucky had very little rainfall which was a welcomed change compared to the last several weeks. Farmers commented that this was the first time since early May they were able to get out in the fields for most of the week. The majority of field work included harvesting wheat, planting soybeans, and baling and cutting hay. **Topsoil moisture** as of Friday, June 25 was rated 4 percent short, 72 percent adequate, and 24 percent surplus. **Subsoil moisture** was 4 percent short, 76 percent adequate, and 20 percent surplus. Days suitable for fieldwork averaged 4.6 out of a possible seven.

**CORN:** The corn throughout Kentucky looks good, as the condition of the emerged corn continued to improve. The corn condition was rated 1 percent very poor, 6 percent poor, 18 percent fair, 49 percent good, and 26 percent excellent. Fifty-one percent of the corn has tasseled as of Sunday, June 27, and 36 percent of the corn was silking. Farmers finished replanting previously flooded fields.

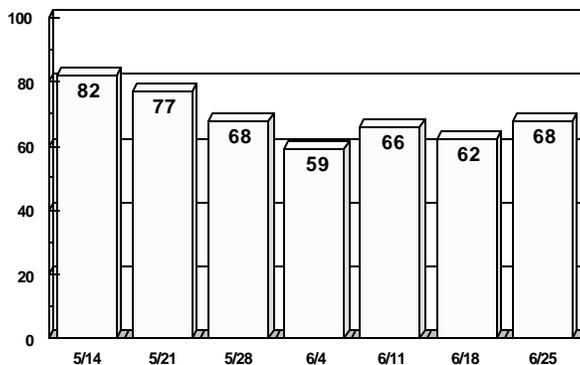
**SOYBEANS:** The soybeans look good throughout the State. Farmers were busy replanting single crop soybeans. Double crop soybeans were planted after the harvest of wheat fields was completed. Soybeans planted was 87 percent as of Sunday, June 27, compared to 75 percent last year, and 89 percent for the 5 year average. Emerged soybean height was at 10 inches. The condition of the emerged soybeans also improved with 4 percent rated as poor, 22 percent fair, 54 percent good, and 20 percent excellent.

**TOBACCO:** The majority of the tobacco crop is in good to excellent condition, with a few scattered areas in the State reporting blue mold or black shank problems. Farmers were cultivating the tobacco last week with little tobacco being reset. Tobacco height was 49 percent under 12 inches, 34 percent was between 12 to 24 inches, and 17 percent was over 24 inches. Condition of the set tobacco was rated as 2 percent very poor, 8 percent poor, 22 percent fair, 55 percent good, and 13 percent excellent.

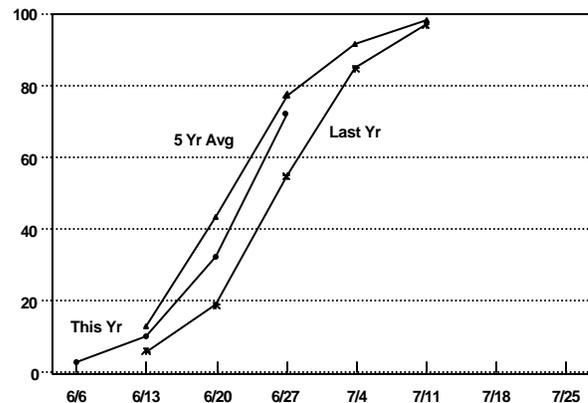
**SMALL GRAINS:** After weeks of rain, farmers took advantage of the sunshine to harvest the small grains. **Barley** harvested reached 97 percent by Sunday, June 27, compared with 95 percent last year, and 97 percent for the average. **Wheat** harvested was 72 percent by the end of the week, compared with last year's 55 percent and the average of 77 percent. Wheat yields and test weights may decline with the earlier delays in harvest and reports of head scab.

**OTHER CROPS:** The drier week provided farmers the opportunity to cut and bale their hay. Some of the first cut hay has become over mature. **Pastures** across the State are in good to excellent condition, with their condition rated as 1 percent very poor, 2 percent poor, 15 percent fair, 60 percent good, and 22 percent excellent. **Grain sorghum** planting was 87 percent complete as of Sunday, June 27, compared with 96 percent last year, and the average of 94 percent.

**BURLEY TOBACCO CONDITION**  
% Good to Excellent



**WHEAT PERCENT HARVESTED**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING JUNE 27, 2004  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
		Percentage			
Corn Tasseling	51	19	32	25	NA
Corn Silking	36	8	16	10	4
Sorghum Planted	87	96	94	82	89
Wheat Harvested	72	55	77	32	37
Barley Harvested	97	95	97	94	NA

(NA) Data Not Available.

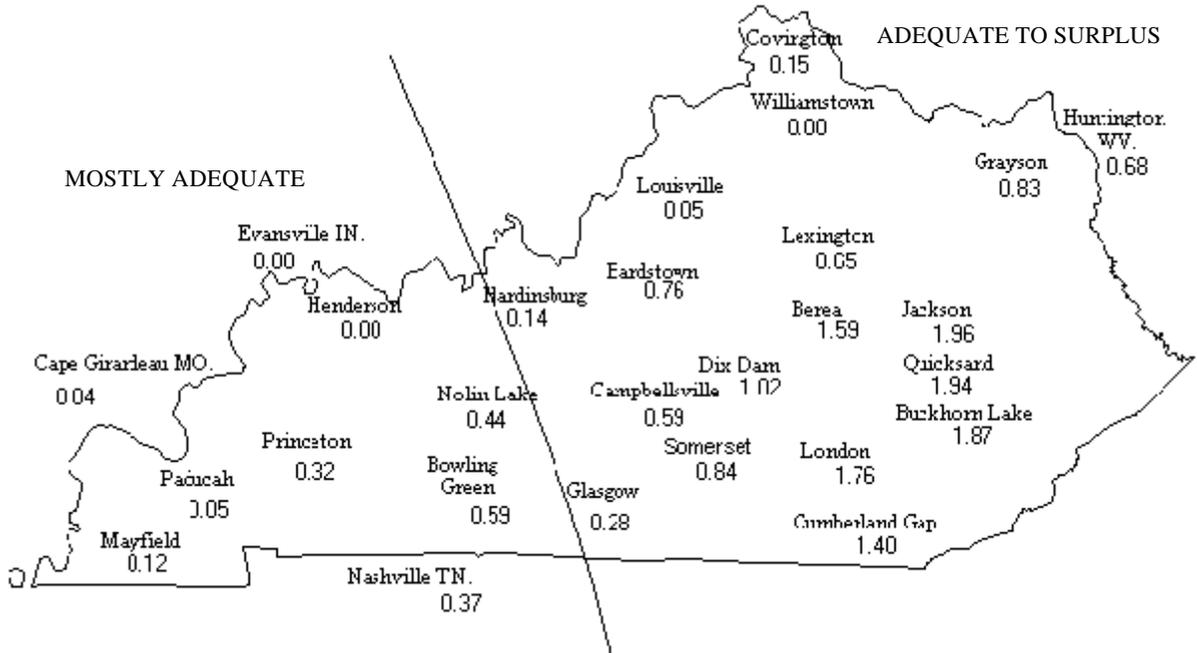
**SOIL MOISTURE**  
WEEK ENDING JUNE 25, 2004  
WITH COMPARISONS

	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	0
Short	4	1
Adequate	72	45
Surplus	24	54
<b>SUBSOIL</b>		
Very Short	0	0
Short	4	0
Adequate	76	56
Surplus	20	44

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING JUNE 25, 2004					WEEK ENDING JUNE 18, 2004				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	6	18	49	26	2	8	25	42	23
Soybeans	0	4	22	54	20	2	6	30	50	12
Pasture	1	2	15	60	22	0	3	14	59	24
Tobacco	2	8	22	55	13	2	10	26	53	9

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 27, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 25, 2004**



# KENTUCKY WEATHER SUMMARY, JUNE 21 - 27, 2004:

## BELOW NORMAL TEMPERATURES AND BELOW NORMAL PRECIPITATION:

Late May and June have been relatively warm and wet, but this week both temperatures and precipitation averaged below normal across the State. Rain did fall on Tuesday night and most of the day on Friday as cold fronts from the north tracked southeastward, but these showers mainly affected areas in south central and eastern Kentucky. Western and northern parts of the Commonwealth were mostly dry this week. Behind these fronts, cooler and drier air from Canada moved in bringing lower dewpoints, lower humidity values, and lots of sunshine. Record low temperatures were set Sunday morning in Paducah and Jackson.

Temperatures for the period averaged 71 degrees across the State which was 4 degrees below normal and 5 degrees cooler than the previous week. High temperatures averaged from 82 in the West to 78 in the East. Departure from normal high temperatures ranged from 7 degrees below normal in the West to 6 degrees below normal in the East. Low temperatures averaged from 60 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from 5 degrees below normal in the West to 2 degrees below normal in the East. Extreme highs were in the middle 80. Extreme lows were in the lower 50's.

Rainfall for the period totaled 0.64 inches statewide which was 0.26 inches below normal. Precipitation totals by climate division, West 0.09 inches, Central 0.38 inches, Bluegrass 0.67 inches and East 1.41 inches, which was -0.77, -0.54, -0.21 and +0.49 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Henderson and Williamstown to a high of 1.96 inches at Jackson.

Tom Priddy

## KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JUNE 27, 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	0.76	20.39	4.89	+8.75	+1.45	82	54	70.7	-4	144	1512	+153
Berea	1.59	15.99	4.53	+3.36	+0.82	86	54	72.4	-2	155	1602	+212
Bowling Green	0.59	17.70	4.54	+4.69	+0.63	85	55	72.2	-3	153	1612	+195
Bristol	1.67	13.66	6.21	+3.27	+2.90	82	59	70.5	-4	142	1434	+163
Buckhorn Lake	1.87	20.44	7.68	+8.85	+3.81	83	54	69.3	-5	133	1435	+218
Cape Girardeau	0.04	10.86	3.46	-1.88	+0.17	86	53	70.5	-6	140	1566	+91
Campbellsville	0.59	16.48	4.50	+2.81	+0.59	84	53	71.5	-3	149	1585	+222
Covington	0.15	14.28	3.60	+2.79	+0.01	83	53	69.3	-5	133	1352	+138
Cumberland Gap	1.40	15.62	5.94	+2.90	+1.95	83	58	71.2	-3	147	1485	+241
Dix Dam	1.02	17.86	4.90	+5.60	+1.44	83	54	71.2	-3	147	1522	+163
Evansville	0.00	12.09	2.72	+0.18	-0.57	85	55	72.1	-5	153	1602	+215
Glasgow	0.28	17.26	3.74	+3.51	-0.56	87	54	73.1	-2	160	1700	+370
Grayson	0.83	14.83	4.79	+3.48	+1.20	83	53	69.9	-4	137	1465	+309
Hardinsburg	0.14	18.76	3.87	+6.17	+0.30	85	54	72.1	-3	153	1567	+150
Henderson	0.00	14.16	2.19	+1.94	-1.37	84	53	69.6	-7	134	1578	+161
Huntington	0.68	12.98	3.99	+1.79	+0.52	83	52	69.9	-4	138	1476	+232
Jackson	1.96	20.88	8.63	+8.86	+5.05	83	54	68.9	-5	129	1433	+216
Lexington	0.65	19.60	6.48	+7.96	+3.04	82	54	70.2	-4	140	1430	+189
London	1.76	17.21	5.52	+5.77	+2.12	84	53	69.9	-4	137	1449	+205
Louisville	0.05	19.95	4.90	+7.99	+1.64	84	55	71.9	-3	151	1543	+156
Mayfield	0.12	10.62	3.47	-2.47	+0.28	83	54	70.8	-6	144	1520	+42
Nashville	0.37	17.12	4.92	+4.66	+1.55	86	64	74.6	-0	171	1706	+201
Nolin Lake	0.44	17.80	3.96	+4.26	+0.26	85	55	72.4	-2	156	1609	+304
Paducah	0.05	12.93	5.14	-0.66	+1.34	84	54	71.6	-5	150	1647	+172
Princeton	0.32	16.12	5.77	+2.90	+2.14	84	55	71.5	-5	149	1667	+220
Quicksand	1.94	22.25	8.50	+10.23	+4.92	83	54	68.9	-5	129	1435	+218
Somerset	0.84	15.43	5.52	+2.19	+1.54	83	52	69.6	-4	136	1458	+126
Spindletop	0.61	15.98	3.41	+4.34	-0.03	82	55	70.3	-4	141	1405	+164
Williamstown	0.00	13.78	2.01	+1.83	-1.53	83	55	70.4	-4	141	1458	+217

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.gwax.ca.uky.edu/>

## **DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES**

### **CORN PHENOLOGICAL STAGES:**

- Silking* - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough* - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent* - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature* - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

### **SOYBEAN PHENOLOGICAL STAGES:**

- Blooming* - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods* - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves* - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

### **SORGHUM PHENOLOGICAL STAGES:**

- Headed* - The head is present, visible and fully emerged.
- Coloring* - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature* - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

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.

---