



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

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

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LELAND E. BROWN, Director

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SAL 10-07

AGRICULTURAL NEWS: Above normal temperatures and below normal precipitation remained the trend across the Commonwealth. Farmers were in need of rain for plant germination and growth. Rainfall was below average for the third week in a row. Precipitation for the week totaled 0.02 inches Statewide, which was 1.04 inches below normal. **Topsoil moisture** was rated as 22 percent very short, 48 percent short, 28 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 14 percent very short, 44 percent short, 38 percent adequate, and 4 percent surplus. There were 6.5 days suitable for fieldwork.

TOBACCO: Tobacco setting was ahead of last year and the five-year average. Sixty-two percent of the burley tobacco had been set compared with 44 percent for last year and the five-year average of 38 percent. Sixty percent of the dark tobacco had been set, ahead of last year's 28 percent and the five-year average of 38 percent. Farmers reported the tobacco crop condition was 5 percent very poor, 6 percent poor, 29 percent fair, 51 percent good, and 9 percent excellent.

CORN: Corn planting was virtually completed with producers having seeded 99 percent of their acres, compared to 97 percent last year, and 89 percent for the five-year average. Crop emergence was reported at 94 percent, above last year's 90 percent and the five year average of 82 percent. The average

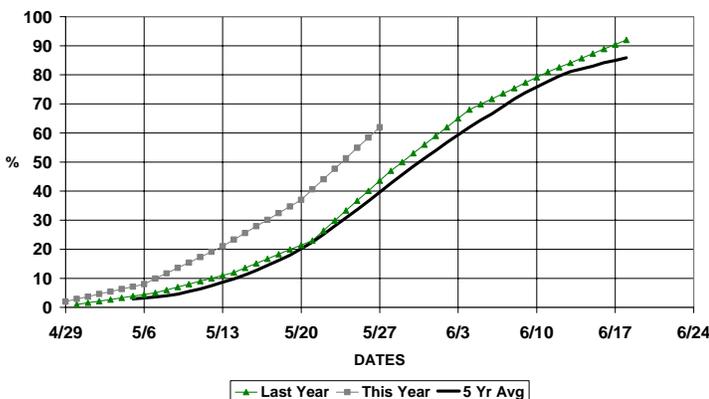
emerged corn height was 13 inches, with the most advanced height at 22 inches. Corn condition was rated 1 percent very poor, 3 percent poor, 23 percent fair, 54 percent good, and 19 percent excellent.

SOYBEANS: As of Sunday, May 27, soybeans were 62 percent planted, compared to 48 percent last year and 39 percent for the five year average. Soybeans emerged was reported at 38 percent, ahead of last year's 23 percent and above the five year average of 25 percent. Soybean condition was rated 1 percent very poor, 4 percent poor, 22 percent fair, 57 percent good, and 16 percent excellent.

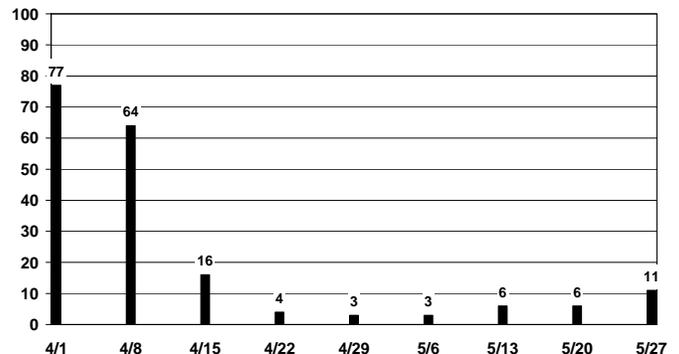
SMALL GRAINS: Winter wheat condition was rated 40 percent very poor, 28 percent poor, 21 percent fair, and 11 percent good. The barley harvest had begun with 1 percent of the crop harvested, equal to last year, and below the 5 year average of 3 percent. Some farmers reported that disease and pest issues seemed to be minor at this time.

OTHER CROPS AND PASTURE: Sixty-five percent of sorghum acreage had been planted, compared to 44 percent last year at this time, and above 38 percent as the 5-year average. Pasture condition was rated 5 percent very poor, 20 percent poor, 41 percent fair, 30 percent good, and 4 percent excellent. The hay crop condition was rated 10 percent very poor, 25 percent poor, 39 percent fair, 24 percent good, and 2 percent excellent.

BURLEY TOBACCO SET PROGRESS



**Winter Wheat Condition
% Good to Excellent**



KENTUCKY CROP PROGRESS

WEEK ENDING MAY 27, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S
Percentage					
Corn					
Planted	99	97	89	96	92
Emerged	94	90	82	86	67
Soybeans					
Planted	62	48	39	38	59
Emerged	38	23	25	10	21
Sorghum Planted	65	44	38	37	35
Barley Harvested	1	1	3	NA	NA
Burley Tobacco Set	62	44	40	37	NA
Dark Tobacco Set	60	28	38	31	NA

(NA)Data Not Available.

SOIL MOISTURE

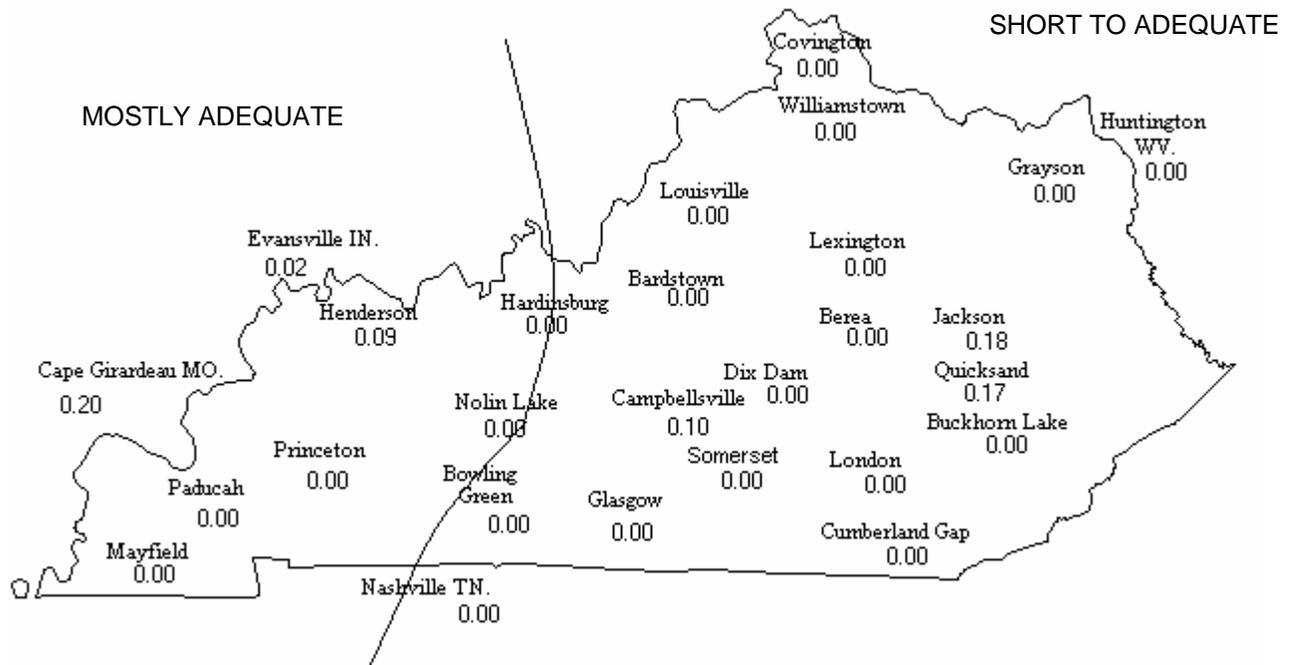
WEEK ENDING MAY 27, 2007

	This Week	Previous Week
TOPSOIL		
Very Short	22	5
Short	48	28
Adequate	28	59
Surplus	2	8
SUBSOIL		
Very Short	14	4
Short	44	25
Adequate	38	65
Surplus	4	6

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING MAY 27, 2007					WEEK ENDING MAY 20, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn Emerged	1	3	23	54	19	0	1	17	57	25
Soybeans Emerged	1	4	22	57	16	-	-	-	-	-
Wheat	40	28	21	11	0	33	35	26	6	0
Pasture	5	20	41	30	4	0	13	41	40	6
Hay Crop	10	25	39	24	2	5	29	39	25	2
Tobacco Set	5	6	29	51	9	0	2	31	58	9

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING MAY 27, 2007



KENTUCKY WEATHER SUMMARY, MAY 21 – 27, 2007

Above Normal Temperature and Below Normal Rainfall:

Another dry week for the Bluegrass state. High temperatures were in the 80s the entire week with upper 80s on the weekend. The State has experienced below normal rainfall for five out of the past six weeks. Most drought indices indicated drought conditions were becoming established.

Temperatures for the period averaged 72 degrees across the State which was 3 degrees above normal and 10 degrees warmer than the previous week. High temperatures averaged from 86 in the West to 85 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 7 degrees above normal in the East. Low temperatures averaged from 59 degrees in the West to 58 degrees in the East. Departure from normal low temperature ranged from near normal in the West to near normal in the East.

Rainfall for the period totaled 0.02 inches statewide which was 1.04 inches below normal. Rainfall totals by climate division, West 0.05 inches, Central 0.00 inches, Bluegrass 0.00 inches and East 0.04 inches, which was 1.05, 1.11, 1.02 and 0.96 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 0.20 inches at Cape Girardeau.

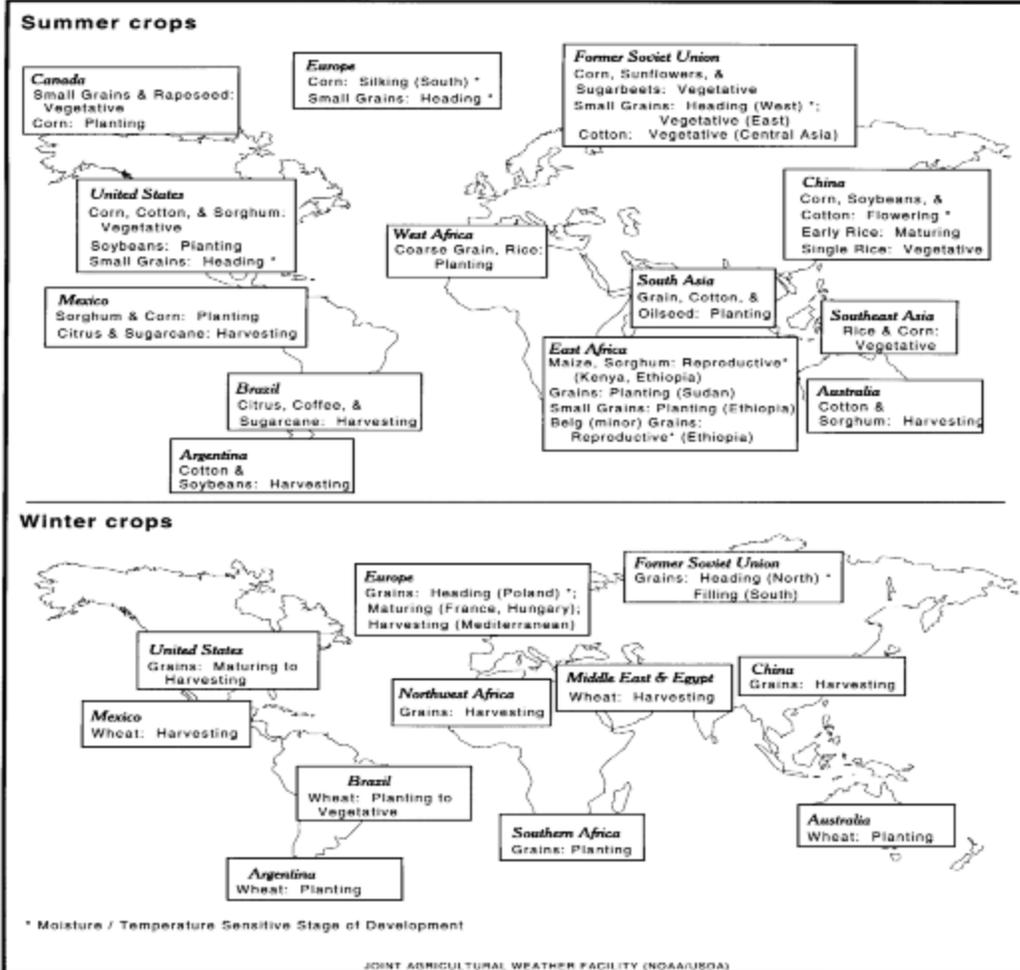
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 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	0.00	6.23	2.23	-1.54	-1.79	86	49	70.9	+2	146	779	+74
Berea	0.00	6.39	3.03	-2.06	-1.30	87	48	70.9	+3	145	757	+25
Bowling Green	0.00	7.22	3.57	-1.40	-0.88	87	47	71.1	+2	145	828	+96
Bristol	0.00	3.40	0.76	-3.30	-2.75	88	42	69.5	+2	136	700	+52
Buckhorn Lake	0.00	4.53	0.84	-2.80	-2.86	87	50	72.1	+4	153	756	+108
Cape Girardeau	0.20	5.80	2.92	-3.15	-1.75	89	45	72.7	+2	157	830	+71
Campbellsville	0.10	9.12	4.16	-0.14	-0.52	87	43	69.7	+1	141	786	+54
Covington	0.00	3.89	0.72	-3.59	-3.13	88	52	72.1	+4	152	690	+72
Cumberland Gap	0.00	5.92	1.56	-2.35	-2.77	88	45	71.4	+4	150	755	+107
Dix Dam	0.00	6.45	2.22	-1.90	-2.05	86	49	71.1	+3	147	734	+29
Evansville	0.02	6.05	2.78	-2.11	-1.49	87	49	71.5	+1	148	790	+88
Glasgow	0.00	7.44	2.23	-1.52	-2.33	88	45	71.2	+2	146	844	+172
Grayson	0.00	5.19	1.24	-2.15	-2.59	87	54	72.4	+5	152	724	+133
Hardinsburg	0.00	6.04	1.36	-2.51	-3.03	88	46	73.6	+5	163	829	+97
Henderson	0.09	7.56	2.14	-0.66	-1.96	88	48	72.7	+2	157	794	+62
Huntington	0.00	4.16	0.85	-3.15	-2.98	87	54	72.0	+4	150	725	+77
Jackson	0.18	3.58	1.82	-4.42	-2.22	86	53	73.0	+5	159	754	+106
Lexington	0.00	5.33	1.21	-2.44	-2.81	87	53	72.8	+5	156	708	+90
London	0.00	5.44	3.30	-2.19	-0.54	88	47	70.7	+3	142	746	+98
Louisville	0.00	7.16	2.56	-1.09	-1.60	87	52	72.2	+3	153	753	+51
Mayfield	0.00	4.40	1.14	-5.01	-3.39	87	48	71.6	+1	151	763	-26
Nashville	0.00	6.05	3.30	-2.57	-1.10	88	51	72.6	+4	154	869	+80
Nolin Lake	0.00	7.09	2.97	-2.21	-1.95	87	46	72.1	+3	154	833	+128
Paducah	0.00	5.16	1.56	-4.15	-2.91	88	47	73.0	+2	158	852	+93
Princeton	0.00	6.24	2.29	-2.88	-2.19	87	47	71.9	+1	150	910	+148
Quicksand	0.17	3.53	1.82	-4.47	-2.22	87	52	72.4	+5	156	760	+112
Somerset	0.00	5.91	3.00	-2.86	-1.56	87	37	67.1	-1	126	699	-6
Spindletop	0.00	4.99	1.12	-2.78	-2.90	86	55	72.6	+5	156	695	+77
Williamstown	0.00	6.54	0.65	-1.45	-3.33	88	52	72.4	+5	153	695	+77

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/>

June normal crop calendar



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.