



# 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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*Released weekly April - November*

Issued 4:00 P.M., May 31, 2005

RPT 10-05

**AGRICULTURAL NEWS:** A cold front brought unseasonably cool temperatures for the second straight week, slowing crop growth but providing excellent weather for cutting hay. Very little moisture accompanied this front, allowing areas hit by heavy rains last week to dry out. The western areas of the State would benefit from showers to improve pastures, and speed up crop growth. **Topsoil moisture** as of Friday, May 27 was rated 2 percent very short, 25 percent short, 68 percent adequate, and 5 percent surplus. **Subsoil moisture** was rated 1 percent very short, 19 percent short, 76 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible 7 days. Major farm activities included planting soybeans, cutting hay and transplanting tobacco.

**TOBACCO:** Tobacco transplanting caught up to normal last week with 52 percent of burley tobacco set as of Sunday, May 29. A year ago 51 percent was set and the five year average was 48 percent. Dark tobacco was 65 percent set, ahead of last year's 47 percent and the average of 50 percent. The set tobacco condition was rated 2 percent poor, 24 percent fair, 58 percent good, and 16 percent excellent.

**CORN:** Corn planting varies from complete in the west to behind normal in the east. Cool temperatures have slowed growth and germination. Corn producers had seeded 97 percent of their acres as of Sunday, May 29, compared with 98 percent last year, and 91 percent for the average. Nearly 94 percent of the planted corn had emerged, similar to last year's 92 percent but ahead of the average of 85

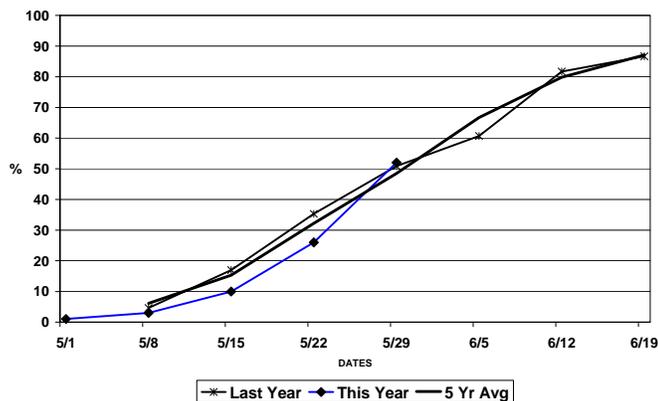
percent. Emerged corn was rated 2 percent poor, 28 percent fair, 54 percent good, and 16 percent excellent. The average corn height was 11 inches, with the most advanced fields at 19 inches.

**SOYBEANS:** Soybean planting made excellent progress across the State, with 77 percent of the crop in the ground. This is well ahead of last year's pace of 44 percent and the five year average of 41 percent. As of Sunday May 29, 61 percent of the soybeans had emerged, several weeks ahead of last year's 35 percent and the average of 32 percent. Emerged soybeans were rated 1 percent very poor, 1 percent poor, 20 percent fair, 60 percent good, and 18 percent excellent.

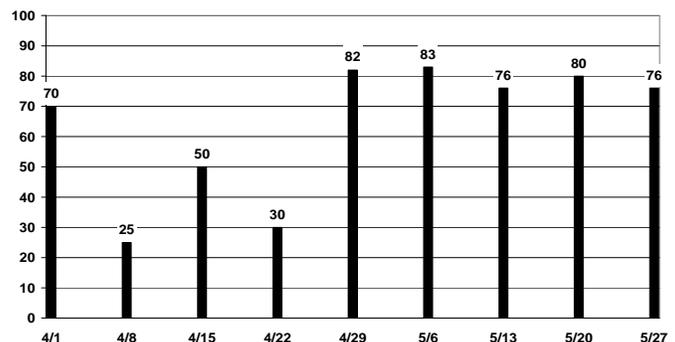
**SMALL GRAINS:** As of Friday, May 27, winter wheat condition was rated 3 percent poor, 21 percent fair, 50 percent good, and 26 percent excellent. A few fields of barley have been harvested. Very little disease or insect problems in the small grains have been reported and wheat crop prospects are good.

**OTHER CROPS:** Lack of rain is starting to impact pasture condition. Farmers rated pastures 3 percent poor, 25 percent fair, 54 percent good, and 18 percent excellent as of Friday May 27. Hay crop condition was reported at 1 percent very poor, 4 percent poor, 26 percent fair, 48 percent good, and 21 percent excellent. Dry weather was beneficial to the hay harvest. Warmer temperatures would have improved curing conditions. As of Sunday, May 29, 60 percent of sorghum acreage had been planted compared to 70 percent planted last year at this time, and the five year average of 46 percent.

**BURLEY TOBACCO SET PROGRESS**



**Winter Wheat Condition**  
% Good to Excellent



## KENTUCKY CROP PROGRESS

WEEK ENDING MAY 29, 2005  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	97	98	91	94	95
Emerg'd	94	92	85	86	66
Soybeans					
Planted	77	44	41	65	65
Emerg'd	61	35	32	30	27
Sorghum Planted	60	70	46	40	37
Barley Harvested	2	6	7	NA	NA
Burley Tobacco Set	52	51	48	26	NA
Dark Tobacco Set	65	47	50	36	NA

(NA)Data Not Available.

## SOIL MOISTURE

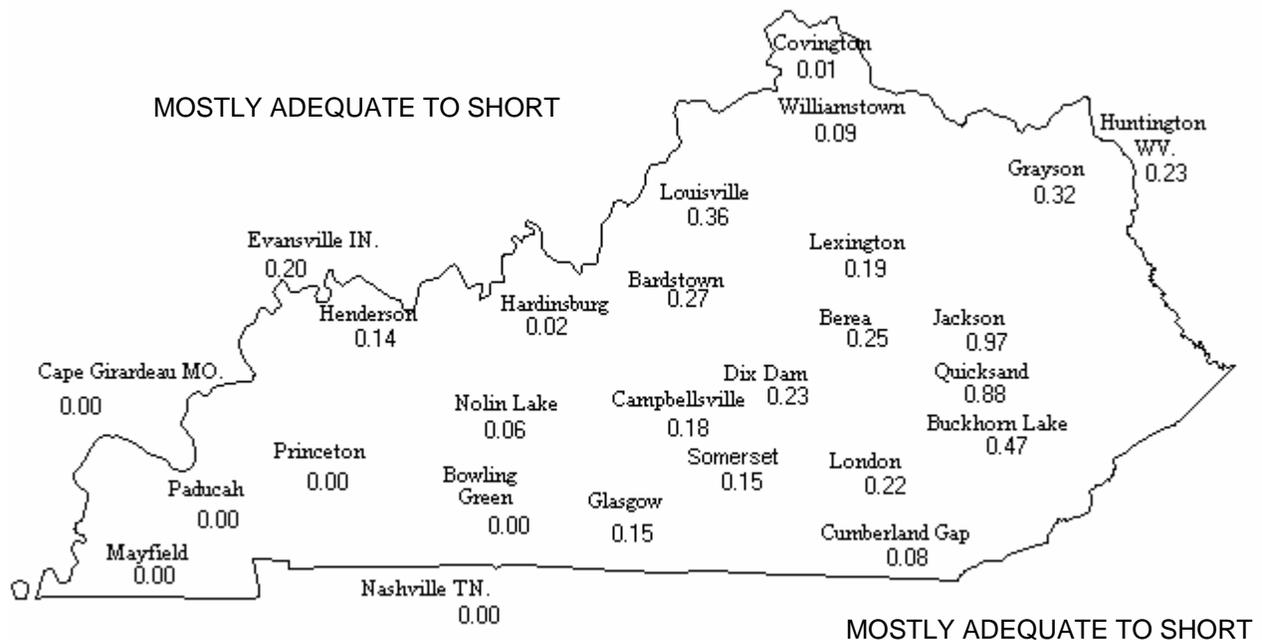
WEEK ENDING MAY 27, 2005  
WITH COMPARISONS

	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	2	1
Short	25	7
Adequate	68	76
Surplus	5	16
<b>SUBSOIL</b>		
Very Short	1	1
Short	19	7
Adequate	76	81
Surplus	4	11

## KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING MAY 27, 2005					WEEK ENDING MAY 20, 2005				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn Emerg'd	0	2	28	54	16	0	3	23	54	20
Soybeans Emerg'd	1	1	20	60	18	-	-	-	-	-
Wheat	0	3	21	50	26	0	4	16	56	24
Pasture	0	3	25	54	18	1	3	24	57	15
Hay Crop	1	4	26	48	21	1	4	24	56	15
Tobacco Set	0	2	24	58	16	0	0	34	57	9

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 29, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, MAY 27, 2005



# **KENTUCKY WEATHER SUMMARY, MAY 23 – 29, 2005:**

**Below Normal Temperatures and Below Normal Precipitation:**

It was another dry week across Kentucky. Most of the rainfall arrived on Monday. The first batch was a band of precipitation that moved south across the bluegrass and eastern parts of the State during the early morning hours. On Monday afternoon, isolated showers popped up again over eastern Kentucky. High pressure settled in during the week keeping skies mostly clear. Highs were generally only in the 60's and 70's. Some rain fell across the State late Friday into Saturday morning, but amounts were less than a tenth of an inch. Dry weather returned for the remainder of the holiday weekend. Temperatures have averaged below normal for two weeks in a row.

Temperatures for the period averaged 65 degrees across the State which was 5 degrees below normal. High temperatures averaged from 79 in the West to 75 in the East. Departure from normal high temperatures ranged from 4 degrees below normal in the West to 4 degrees below normal in the East. Low temperatures averaged from 54 degrees in the West to 53 degrees in the East. Departure from normal low temperature ranged from 6 degrees below normal in the West to 5 degrees below normal in the East. The extreme high temperature was 85 in Paducah. The extreme low temperature was 45 in London. Rainfall for the period totaled 0.19 inches statewide which was 0.87 inches below normal. Precipitation totals by climate division, West 0.06 inches, Central 0.14 inches, Bluegrass 0.13 inches and East 0.42 inches, which was 1.05, 0.96, 0.89 and 0.59 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bowling Green, Mayfield, Paducah, and Princeton to a high of 0.97 inches at Jackson.

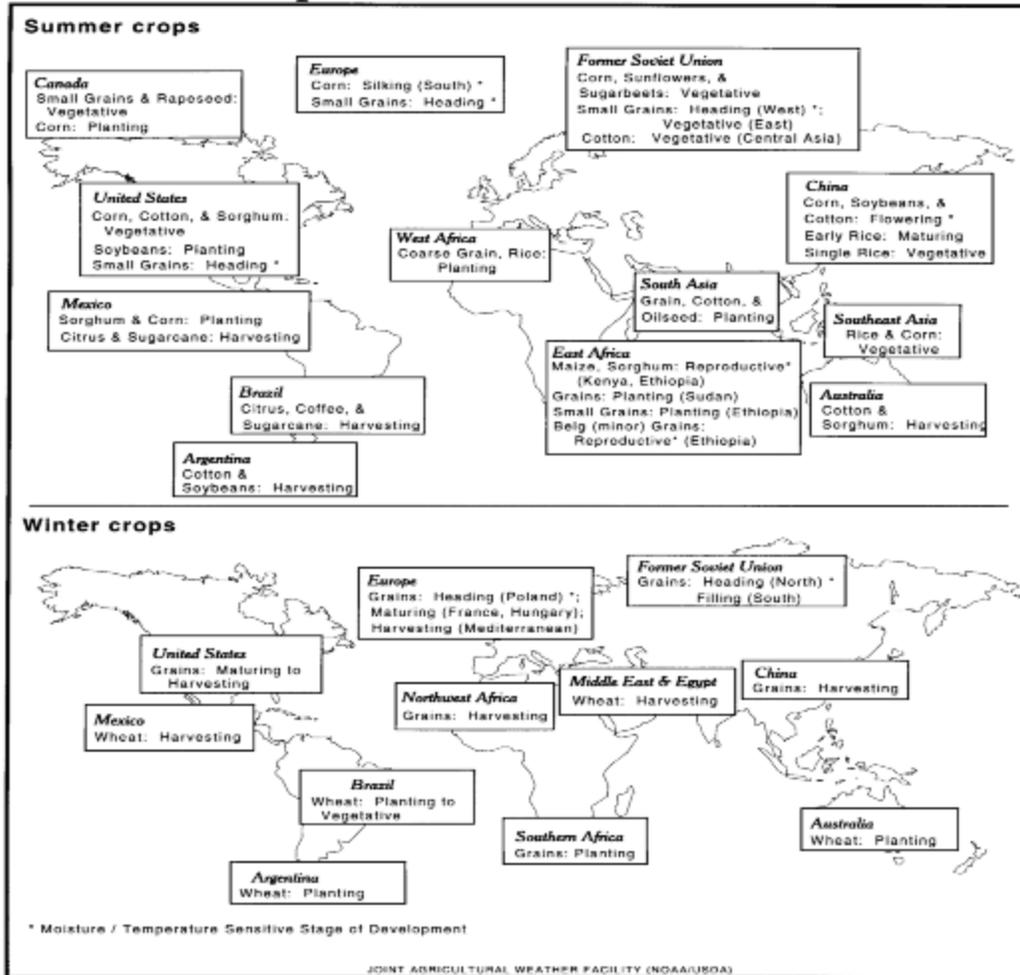
Tom Priddy

## **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 29, 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	0.27	8.84	2.96	+0.78	-1.08	79	49	64.1	-5	98	705	-30
Berea	0.25	7.83	1.91	-0.93	-2.43	79	50	64.2	-4	98	748	-16
Bowling Green	0.00	8.24	2.45	-0.70	-2.01	80	46	65.8	-3	112	731	-33
Bristol	0.22	7.12	1.68	+0.17	-1.84	79	46	62.7	-5	91	643	-33
Buckhorn Lake	0.47	6.43	1.85	-1.16	-1.86	79	47	63.4	-5	94	696	+20
Cape Girardeau	0.00	8.15	2.75	-1.14	-1.94	87	50	67.6	-4	121	771	-22
Campbellsville	0.18	8.85	2.52	-0.75	-2.17	81	49	65.9	-3	110	745	-19
Covington	0.01	5.26	1.48	-2.49	-2.39	79	46	62.4	-6	88	592	-54
Cumberland Gap	0.08	5.18	0.95	-3.40	-3.39	79	47	63.7	-4	97	699	+23
Dix Dam	0.23	7.68	2.49	-0.97	-1.79	78	49	63.8	-4	97	692	-43
Evansville	0.20	4.41	2.33	-4.05	-1.96	83	48	64.9	-6	104	700	-34
Glasgow	0.15	9.68	2.71	+0.40	-1.86	83	48	66.6	-3	117	834	+130
Grayson	0.32	7.58	2.52	-0.04	-1.33	79	47	63.1	-5	92	686	+69
Hardinsburg	0.02	6.74	3.09	-2.13	-1.31	80	48	65.4	-4	107	735	-29
Henderson	0.14	7.09	3.37	-1.43	-0.74	83	50	66.1	-5	111	739	-25
Huntington	0.23	7.50	2.49	-0.09	-1.36	79	46	62.9	-5	92	691	+15
Jackson	0.97	9.97	2.50	+1.68	-1.55	78	48	63.7	-4	96	728	+52
Lexington	0.19	6.11	2.64	-1.95	-1.40	78	47	63.1	-5	92	633	-13
London	0.22	8.00	1.86	+0.09	-1.99	78	45	62.6	-6	91	670	-9
Louisville	0.36	8.07	4.53	-0.48	+0.36	80	49	64.4	-5	99	686	-48
Mayfield	0.00	4.47	0.66	-5.27	-3.87	80	48	64.6	-7	101	704	-119
Nashville	0.00	7.96	1.03	-0.98	-3.38	82	51	67.3	-2	118	802	-21
Nolin Lake	0.06	8.46	2.91	-1.20	-2.04	81	47	65.6	-4	109	749	+14
Paducah	0.00	5.37	0.82	-4.26	-3.64	85	48	67.0	-4	119	793	+0
Princeton	0.00	6.15	1.54	-3.29	-2.94	83	50	66.9	-4	117	822	+28
Quicksand	0.88	8.68	2.05	+0.39	-2.00	79	48	63.7	-4	95	693	+17
Somerset	0.15	8.36	2.11	-0.73	-2.47	80	46	65.6	-3	109	682	-53
Spindletop	0.02	5.08	1.78	-2.98	-2.26	78	48	63.0	-5	91	612	-34
Williamstown	0.09	5.65	2.00	-2.63	-1.98	79	46	62.7	-5	91	613	-33

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/>

## 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.