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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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RPT 10-03

**AGRICULTURAL NEWS:** A few areas of Kentucky dried out enough to plant corn and soybeans and set tobacco at the end of the week. Cloud cover and the third straight week of below normal temperatures left some soils too wet for planting crops, especially in low lying areas. Most areas are experiencing problems with hay harvest as the crop is well past optimal maturity and curing conditions have been poor. The planting season is more than a week behind normal. Days suitable for fieldwork averaged 3.5 out of a possible seven. A few fields damaged by floods and storms will need to be replanted. **Topsoil moisture** as of Friday, May 30 was rated 57 percent adequate and 43 percent surplus. **Subsoil moisture** was rated 1 percent short, 58 percent adequate and 41 percent surplus.

**CORN:** Corn planting progressed to 86 percent completed by Sunday, June 1, compared with 77 percent a year ago and the five-year average of 92. About 80 percent of the planted acreage had emerged, compared with 63 percent a year ago, and the average of 84 percent. Emerged corn was in fair to good condition, with 3 percent very poor, 11 percent poor, 33 percent fair, 41 percent good and 12 percent excellent. Height of the most advanced fields averaged 25 inches statewide, while average height of emerged corn was 14 inches.

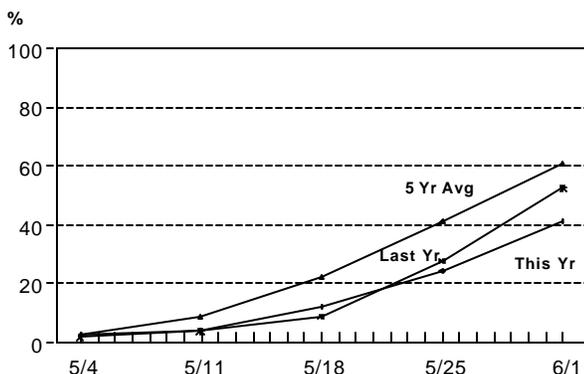
**SOYBEANS:** Soybean planting progress was slow as producers planted corn and set tobacco when possible. As of Sunday, June 1, about 23 percent of the crop had been seeded, the same as last year, but well behind the average of 52 percent. Only 14 percent of planted acreage had emerged, compared with 13 percent a year ago, and behind the average of 38. Condition of emerged soybeans was rated 4 percent poor, 42 percent fair, 45 percent good, and 9 percent excellent.

**TOBACCO:** As of Sunday, June 1, 41 percent of the intended **burley** acreage had been set compared with 52 percent a year ago and the average of 61 percent. **Dark tobacco** acreage was 56 percent set, compared with 41 percent last year and the average of 61. Controlling size and quality of plants in plant beds is becoming very difficult. Some producers are concerned about the quality and availability of transplants. Disease and pest problems seem to be minor except in a few areas. Condition of set tobacco was reported as 5 percent poor, 25 percent fair, 56 percent good, and 14 percent excellent.

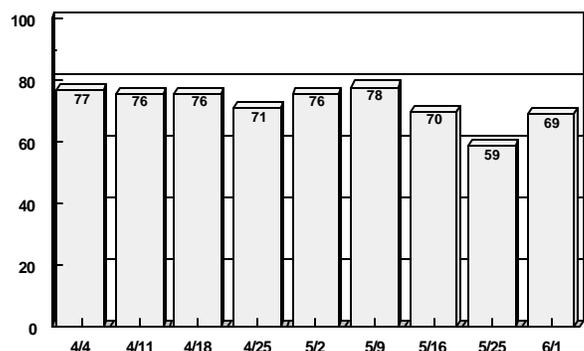
**SMALL GRAINS:** **Barley** harvest is underway with 12 percent of the harvest complete. **Wheat** harvest is expected to begin next week. Water damage had been reported in a few areas, along with some concern that head scab may affect yield and quality. As of Friday, May 30, wheat condition was reported as 2 percent very poor, 7 percent poor, 22 percent fair, 49 percent good and 20 percent excellent.

**OTHER CROPS:** **Hay** harvest made slow progress due to poor curing conditions. The quality of the crop is a major concern as much of cut hay has been rained on. Some producers are wrapping bales to keep them dry or making haylage. Condition of the hay crops was reported as 1 percent very poor, 4 percent poor, 15 percent fair, 54 percent good and 26 percent excellent. **Pastures** were in good to excellent condition and were rated 2 percent poor, 11 percent fair, 54 percent good and 30 percent excellent. **Grain sorghum** planting was in full swing during the week with 32 percent of intended acres planted.

**BURLEY TOBACCO SET PROGRESS**



**WHEAT CONDITION**  
 % Good to Excellent



**KENTUCKY CROP PROGRESS**  
WEEK ENDING JUNE 1, 2003  
WITH COMPARISONS

**SOIL MOISTURE**  
WEEK ENDING MAY 30, 2003  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	86	77	92	84	88
Emerged	80	63	84	76	64
Soybeans					
Planted	23	23	52	15	50
Emerged	14	13	38	8	17
Sorghum Planted	32	18	48	9	40
Barley Harvested	12	11	19	NA	NA
Burley Tobacco Set	41	52	61	24	NA
Dark Tobacco Set	56	41	61	28	NA

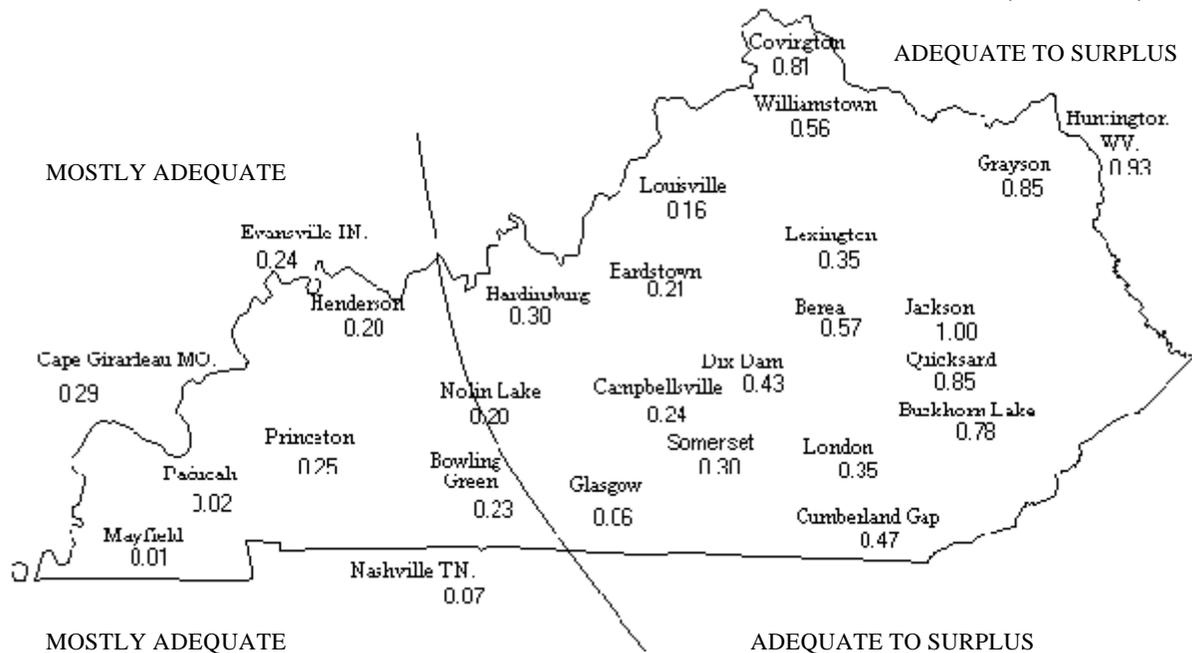
	This Week	Previous Week
<b>TOPSOIL</b>		
Very Short	0	0
Short	0	0
Adequate	57	34
Surplus	43	66
<b>SUBSOIL</b>		
Very Short	0	0
Short	1	0
Adequate	58	54
Surplus	41	46

(NA) Data Not Available.

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING MAY 30, 2003					WEEK ENDING MAY 23, 2003				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn Emerged	3	11	33	41	12	1	10	32	40	17
Soybeans Emerged	0	4	42	45	9	-	-	-	-	-
Wheat	2	7	22	49	20	1	9	31	39	20
Pasture	0	2	11	57	30	1	2	13	53	31
Hay Crops	1	4	15	54	26	1	5	20	48	26
Tobacco Set	0	5	25	56	14	5	2	27	50	16

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 1, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, MAY 30, 2003**



# **KENTUCKY WEATHER SUMMARY, MAY 26 - JUNE 1, 2003:**

## **BELOW NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:**

Rain statewide mid-week delayed field work once again. However, total rainfall amounts with the system were not overwhelming, and dry conditions late in the week provided a little bit of an opportunity to dry out for the central and western sections of the State. However, Northern and Eastern sections of the State saw another shot of rain by the weekend. An upper-level trough, which helped to bring the rainfall to the area through the week, also brought (along with plenty of cloudcover) unseasonably cool temperatures to the region for the third week in a row.

Temperatures for the period averaged 63 degrees across the State which was 7 degrees below normal. High temperatures averaged from 75 in the West to 70 in the East. Departure from normal high temperatures ranged from 9 degrees below normal in the West to 9 degrees below normal in the East. Low temperatures averaged from 53 degrees in the West to 53 degrees in the East. Departure from normal low temperature ranged from 7 degrees below normal in the West to 6 degrees below normal in the East. Extreme temperatures for the week were 81 and 43 at Glasgow and Henderson, respectively.

Rainfall for the period totaled 0.40 inches statewide which was 0.64 inches below normal. Precipitation totals by climate division, West 0.17 inches, Central 0.19 inches, Bluegrass 0.53 inches and East 0.69 inches, which was 0.90, 0.89, 0.47 and 0.30 inches respectively below normal. By station, precipitation totals ranged from a low of 0.01 inches at Mayfield to a high of 1.00 inches at Jackson.

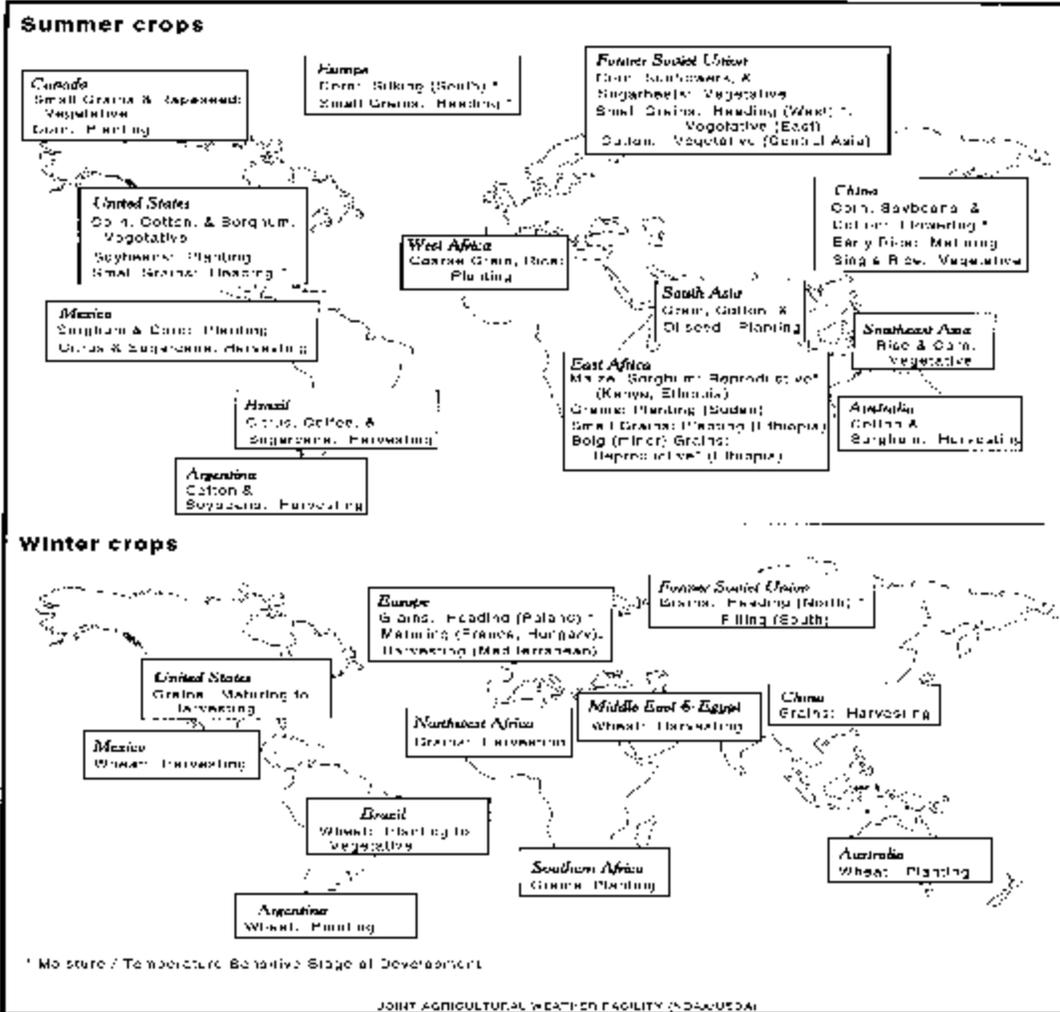
Tom Priddy

## **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JUNE 1, 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	0.21	13.55	7.44	+5.08	+3.42	79	46	62.6	-7	90	801	+14
Berea	0.57	11.04	6.55	+1.84	+2.23	76	47	62.4	-7	86	848	+30
Bowling Green	0.23	10.70	4.45	+1.30	+0.01	79	50	64.6	-5	100	881	+62
Bristol	0.67	12.11	4.96	+4.79	+1.45	78	48	62.3	-7	86	755	+30
Buckhorn Lake	0.78	12.04	5.16	+4.04	+1.44	75	49	60.5	-8	73	785	+62
Cape Girardeau	0.29	13.46	7.71	+3.72	+3.07	79	48	64.6	-7	101	836	-15
Campbellsville	0.24	10.77	5.12	+0.70	+0.46	79	49	63.7	-6	95	903	+86
Covington	0.81	9.21	6.67	+1.05	+2.81	74	45	59.6	-9	70	663	-31
Cumberland Gap	0.47	13.08	5.08	+4.05	+0.75	76	49	62.8	-6	89	802	+78
Dix Dam	0.43	12.68	7.79	+3.60	+3.54	78	46	61.9	-7	84	807	+20
Evansville	0.24	9.93	5.76	+1.04	+1.51	78	42	62.5	-9	90	765	-24
Glasgow	0.06	10.30	4.61	+0.54	+0.05	81	47	64.7	-5	103	948	+190
Grayson	0.85	13.36	7.11	+5.34	+3.27	76	50	62.2	-7	84	760	+98
Hardinsburg	0.30	12.97	7.31	+3.66	+2.94	79	43	63.1	-7	95	831	+12
Henderson	0.20	12.00	6.66	+3.06	+2.57	79	43	63.9	-8	102	834	+15
Huntington	0.93	13.58	6.60	+5.60	+2.77	76	51	62.7	-6	87	753	+29
Jackson	1.00	10.64	4.70	+1.93	+0.67	75	49	60.0	-9	69	743	+20
Lexington	0.35	12.45	8.31	+3.98	+4.29	78	46	60.9	-8	79	731	+36
London	0.35	12.24	5.47	+3.94	+1.64	76	47	60.6	-8	76	767	+43
Louisville	0.16	13.72	7.59	+4.75	+3.45	80	45	63.0	-7	93	785	-4
Mayfield	0.01	10.76	4.66	+0.59	+0.18	77	50	62.7	-9	88	797	-83
Nashville	0.07	11.25	6.16	+1.88	+1.79	80	52	66.0	-4	109	924	+43
Nolin Lake	0.20	11.79	5.55	+1.65	+0.65	79	49	64.0	-6	98	882	+97
Paducah	0.02	12.19	5.03	+2.11	+0.59	79	48	65.0	-7	106	878	+27
Princeton	0.25	11.80	4.14	+1.91	-0.31	80	47	64.4	-8	102	897	+48
Quicksand	0.85	12.07	6.11	+3.36	+2.08	76	49	60.8	-8	75	803	+80
Somerset	0.30	12.08	5.15	+2.52	+0.59	77	48	61.9	-7	83	832	+46
Spindletop	0.45	9.82	5.95	+1.35	+1.93	76	48	61.1	-8	78	705	+10
Williamstown	0.56	8.72	5.90	+0.03	+1.93	76	46	61.2	-8	80	769	+74

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.