



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, State Statistician

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TNS 5-01

AGRICULTURAL NEWS: Most agricultural activities were affected by the weather last week. The primary question is the amount of damage sustained by the low temperatures. Low and record low temperatures were experienced early last week but temperatures moderated later in the week. Most of the State is in need of a long slow soaking rain. **Topsoil moisture**, as of Friday, April 20 was rated 7 percent very short, 31 percent short 59 percent adequate, and 3 percent surplus. **Subsoil moisture**, was rated 8 percent very short, 30 percent short, 59 percent adequate, and 3 percent surplus. **Days suitable for fieldwork** averaged 5.0 out of a possible 6. Primary farming activities included fertilization of pasturelands and field preparation. Other activities reported included fence repair and some renovation of hay fields.

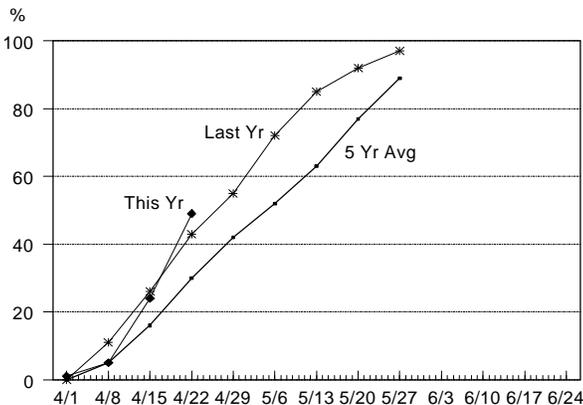
TOBACCO: Seeding of float and conventional tobacco beds was virtually complete by Sunday, April 22. Of the germinated tobacco, 66 percent of tobacco transplants were less than 2 inches, 26 percent were from 2 to 4 inches, and 8 percent were larger than 4 inches. Farmers will get 83 percent of their tobacco transplants from greenhouses and float beds, with only 17 percent being raised in conventional tobacco beds. Last year 18 percent of transplants were raised in conventional beds.

CORN: Planting was delayed across most of the State as the cool temperatures slowed soil warm up. Planted corn

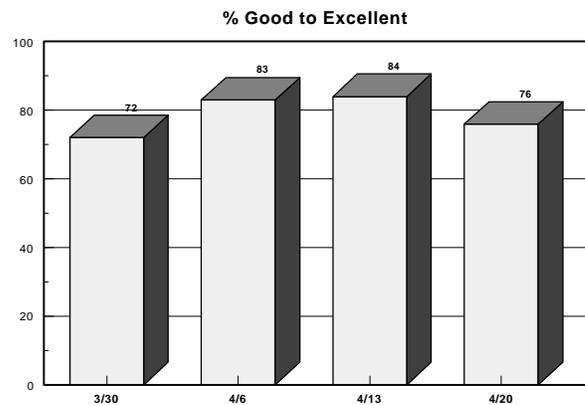
was slow to germinate due to cool temperatures. Planted corn emerged was 16 percent, compared to 9 percent last year and 6 percent on average. The emerged corn condition was 3 percent poor, 25 percent fair, 65 percent good and 7 percent excellent. The percent of planting was 49 percent complete as of Sunday, April 22, compared to 43 percent last year and 30 percent for the five year average. There were several reports of emerged corn being slowed by inadequate moisture.

OTHER CROPS: **Soybeans** were 2 percent seeded compared to 1 percent last year. There has been minimal damage to the **wheat** crop this spring because of the weather, but cool temperatures have slowed soil warm up and wheat growth. Wheat headed or heading was 7 percent as of Sunday, April 22, compared with 12 percent last year and 8 percent for the five year average. As of Friday, April 20 wheat condition was rated as 1 percent very poor, 2 percent poor, 21 percent fair, 60 percent good, and 16 percent excellent. **Pasture** condition was rated as 3 percent very poor, 11 percent poor, 32 percent fair, 48 percent good, and 6 percent excellent. The average expected date of the first **alfalfa** cutting was reported to be May 9th. There have been some reports of alfalfa weevil. Reports indicate that the **apple** bloom could have been hurt by the early week freeze. The **strawberry** crop was rated 4 percent very poor, 13 percent poor, 32 percent fair, 44 percent good and 7 percent excellent.

CORN PLANTING PROGRESS



WHEAT CONDITION



KENTUCKY CROP PROGRESS
WEEK ENDING APRIL 22, 2001
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	49	43	30	24	5
Emerged	16	9	6	NA	NA
Wheat					
Headed or Heading	7	12	8	NA	5
Soybeans	2	1	0	NA	NA

(NA) Data Not Available.

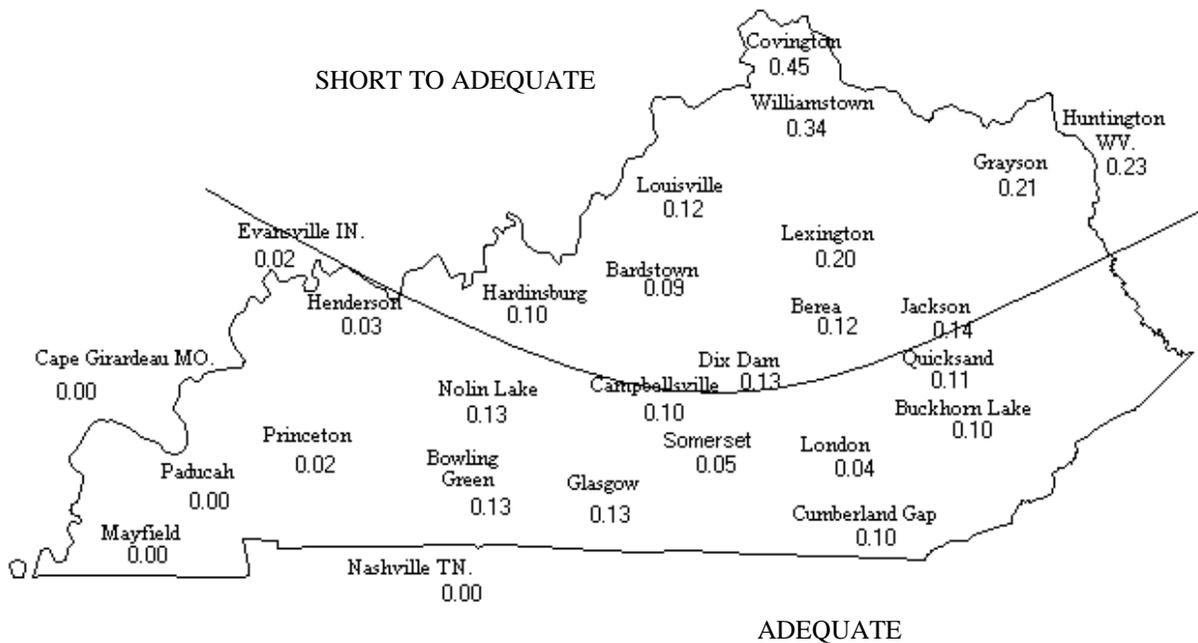
SOIL MOISTURE
WEEK ENDING APRIL 20, 2001
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	7	4
Short	31	20
Adequate	59	68
Surplus	3	8
SUBSOIL		
Very Short	8	3
Short	30	23
Adequate	59	68
Surplus	3	6

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING APRIL 20, 2001					WEEK ENDING APRIL 13, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn Emerged	0	3	25	65	7	-	-	-	-	-
Wheat	1	2	21	60	16	0	1	15	62	22
Pasture	3	11	32	48	6	1	12	30	49	8
Strawberries	4	13	32	44	7	-	-	-	-	-

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, APRIL 22, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, APRIL 20, 2001



KENTUCKY WEATHER SUMMARY, APRIL 16 - 22, 2001:

BELOW NORMAL TEMPERATURE AND RAINFALL:

The beginning of the work week saw more winter-like temperatures instead of spring temperatures with highs as much as 20 degrees below normal in some areas of the State especially on Tuesday when they only reached the 40s. This cold period also saw record lows across many areas of Kentucky and freeze/frost warnings or advisories for several nights. The end of the workweek improved with temperatures gradually returning to normal levels and moving into above normal temperatures over the weekend. Soil temperatures at 4" under sod did drop to the upper 40s to 50s for the first of the week but returned to upper 50s to low 60s by the weekend. The April 14th Palmer Drought Severity Index has placed West, Central, and Bluegrass regions in MODERATE hydrological drought with East moving into MILD conditions. However, the Crop Moisture Index showed adequate moisture for agricultural purposes.

Temperatures for the period averaged 55 degrees across the State which was 3 degrees BELOW NORMAL. High temperatures averaged from 67 in the West to 65 in the East. Departure from normal high temperatures ranged from 5 degrees BELOW NORMAL in the West to 2 degrees BELOW NORMAL in the East. Low temperatures averaged from 47 degrees in the West to 42 degrees in the East. Departure from normal low temperature ranged from 1degree BELOW NORMAL in the West to 4 degrees BELOW NORMAL in the East. Rainfall for the period totaled 0.12 inches statewide which was 0.86 inches BELOW NORMAL. Precipitation totals by climate division, West 0.01 inches, Central 0.12 inches, Bluegrass 0.23 inches and East 0.12 inches, which was 1.06, 0.89, 0.71 and 0.80 inches respectively BELOW NORMAL. By Kentucky station, precipitation totals ranged from a low of TRACE amounts at Paducah to a high of 0.45 inches at Covington.

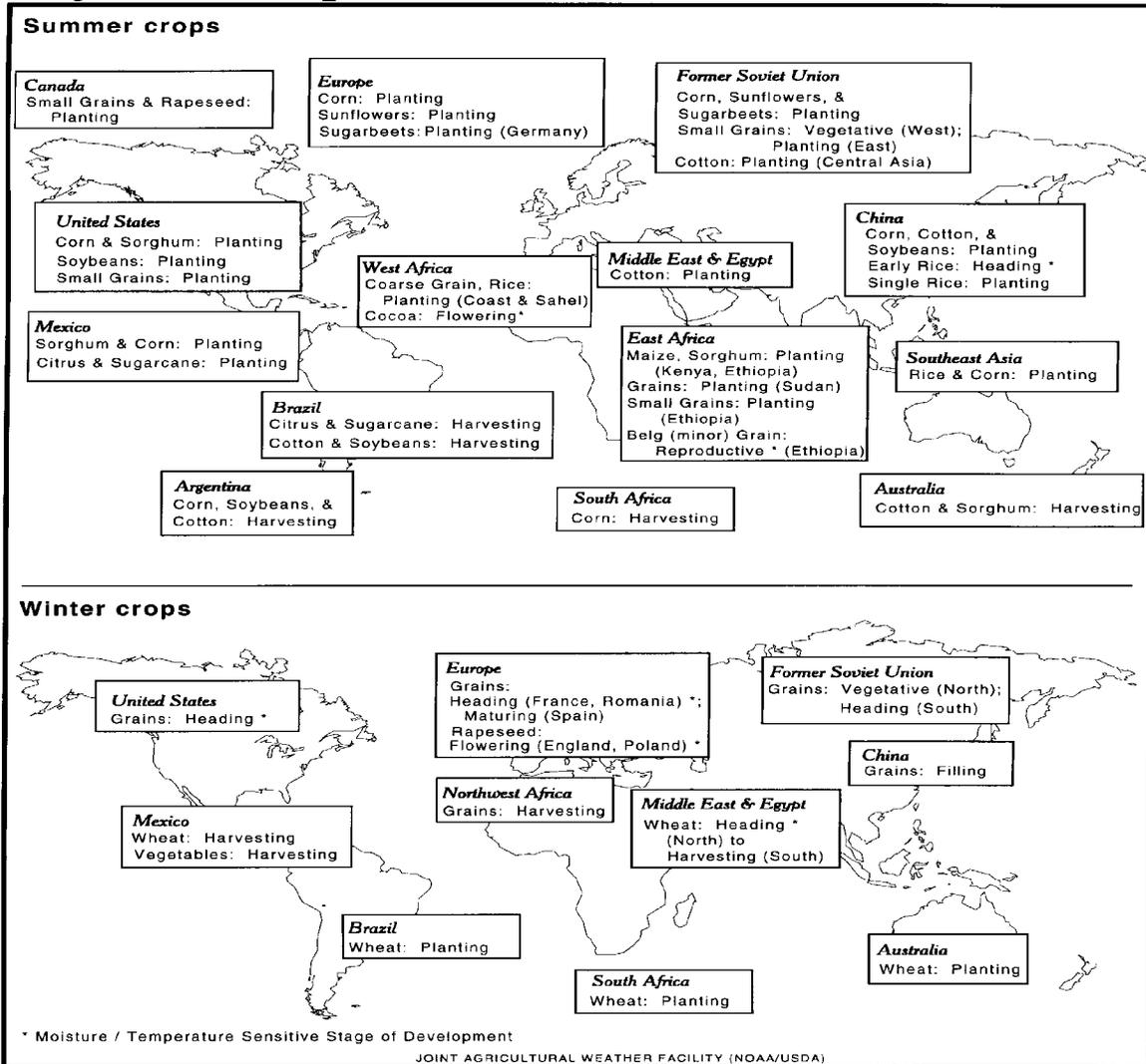
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, APRIL 22, 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	0.09	1.81	1.90	-1.04	-1.80	80	27	52.6	-5	54	285	+65	
Berea	0.12	1.46	1.59	-1.66	-2.35	82	27	54.7	-2	68	307	+87	
Bowling Green	0.13	1.88	2.18	-1.29	-1.98	83	32	55.9	-2	71	323	+103	
Bristol	0.10	1.58	3.86	-0.84	+0.72	82	28	51.2	-5	51	233	+35	
Buckhorn Lake	0.10	1.88	2.03	-0.87	-1.56	84	31	54.2	-2	64	291	+93	
Cape Girardeau	0.00	1.53	2.31	-1.72	-1.91	82	27	58.8	-1	85	326	+106	
Campbellsville	0.10	2.17	2.26	-1.31	-2.17	82	27	55.1	-3	69	304	+84	
Covington	0.45	1.49	1.62	-1.26	-1.95	80	26	51.9	-5	57	270	+94	
Cumberland Gap	0.10	2.28	2.67	-0.71	-1.30	85	27	53.8	-3	63	281	+83	
Dix Dam	0.13	1.52	1.65	-1.57	-2.29	81	27	54.1	-2	62	291	+71	
Evansville	0.02	1.34	1.69	-1.61	-2.17	82	26	55.6	-4	74	318	+120	
Glasgow	0.13	2.17	2.22	-1.17	-2.10	82	27	55.9	-2	75	322	+146	
Grayson	0.21	1.36	1.42	-1.30	-1.93	84	30	53.5	-3	63	296	+120	
Hardinsburg	0.10	1.46	1.63	-1.70	-2.42	83	30	55.7	-2	70	317	+97	
Henderson	0.03	1.95	2.50	-1.17	-1.55	83	28	57.2	-3	79	327	+107	
Huntington	0.23	1.42	1.45	-1.22	-1.88	84	30	53.5	-3	64	299	+101	
Jackson	0.14	1.41	1.56	-1.60	-2.29	84	28	53.6	-3	60	295	+97	
Lexington	0.20	1.11	1.31	-1.74	-2.39	81	28	53.2	-3	57	283	+107	
London	0.04	1.74	1.96	-1.13	-1.77	82	29	52.8	-4	57	277	+79	
Louisville	0.12	0.87	1.23	-2.23	-2.77	83	30	54.6	-3	64	311	+113	
Mayfield	0.00	1.03	1.58	-2.67	-3.16	82	30	54.9	-5	65	300	+58	
Nashville	0.00	2.09	2.09	-1.11	-2.06	82	34	57.3	-1	73	328	+86	
Nolin Lake	0.13	1.65	1.72	-1.67	-2.42	83	32	55.5	-2	70	320	+100	
Paducah	0.00	1.58	1.79	-2.09	-2.84	82	29	58.1	-2	79	332	+112	
Princeton	0.02	1.82	2.42	-1.70	-2.06	83	27	58.6	-1	88	361	+119	
Quicksand	0.11	1.70	1.76	-1.31	-2.09	84	27	54.0	-2	67	293	+95	
Somerset	0.05	2.39	2.49	-0.80	-1.58	82	27	54.5	-2	67	295	+75	
Spindletop	0.14	1.64	1.79	-1.21	-1.91	80	27	52.6	-4	55	265	+89	
Williamstown	0.34	0.97	1.16	-2.07	-2.80	80	27	53.4	-3	57	287	+111	

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: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

May normal crop calendar



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 KENTUCKY AGRICULTURAL STATISTICS SERVICE
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