



KENTUCKY WEEKLY CROP & WEATHER REPORT



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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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AGRICULTURAL NEWS: Most agricultural activities are ahead of schedule. The primary concern now appears to be the lack of precipitation across the State. The dry and cool weather has made working conditions very favorable but the seeded fields need rain to spur germination. Like last week there have been record low temperatures reported but temperatures on average for the State moderated to near normal. The eastern half of the State is especially dry, but the whole State needs additional moisture. **Topsoil moisture**, as of Friday, April 27 was rated 19 percent very short, 37 percent short, 42 percent adequate, and 2 percent surplus. **Subsoil moisture**, was rated 14 percent very short, 41 percent short, 43 percent adequate, and 2 percent surplus. **Days suitable for fieldwork** averaged 5.6 out of a possible 6. Primary farming activities included fertilization of pasturelands and field preparation. Other activities reported included fence repair and pesticide spraying for alfalfa weevils.

TOBACCO: Conventional tobacco beds are starting to suffer from the dry conditions. Of the germinated tobacco, 50 percent of tobacco transplants were less than 2 inches, 34 percent were from 2 to 4 inches, and 16 percent were larger than 4 inches. Only about 1 percent of burley tobacco has been set in the field, compared to 2 percent last year. Dark tobacco is just beginning to be set in the fields.

CORN: Dry conditions across most of the State has accelerated the planting of corn. The lack of soil moisture,

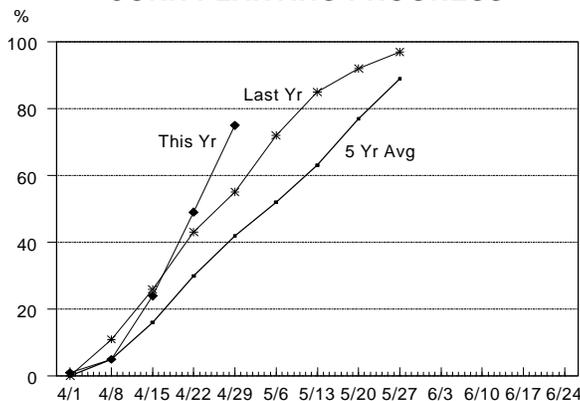
however, might slow germination in the following weeks. The percent of planting was 75 percent complete as of Sunday, April 29, compared to 55 percent last year and 42 percent for the five year average. Planted corn emerged was 42 percent, compared to 22 percent last year and 18 percent on average. The emerged corn condition was 5 percent poor, 31 percent fair, 54 percent good and 10 percent excellent. There were several reports of emerged corn being slowed by inadequate moisture.

SOYBEANS: Soybeans are also ahead of schedule with 7 percent planted compared with 5 percent in 2000 and 2 percent for the average.

SMALL GRAINS: 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 30 percent as of Sunday, April 29, compared with 43 percent last year and 28 percent for the five year average. As of Friday, April 27 wheat condition was rated as 1 percent very poor, 2 percent poor, 22 percent fair, 57 percent good, and 18 percent excellent.

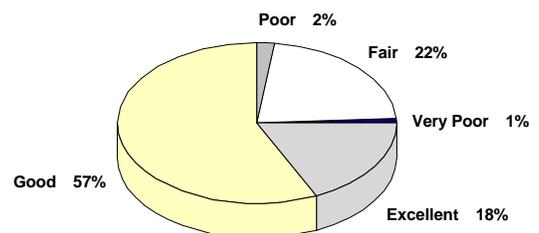
OTHER CROPS: Pasture condition was rated as 3 percent very poor, 12 percent poor, 39 percent fair, 40 percent good, and 6 percent excellent. There have been widespread reports of alfalfa weevil all across the State. The hay crop condition was rated 3 percent very poor, 13 percent poor, 34 percent fair, 42 percent good and 8 percent excellent.

CORN PLANTING PROGRESS



WHEAT CONDITION

(April 27)



KENTUCKY CROP PROGRESS
WEEK ENDING APRIL 29, 2001
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	75	55	42	49	10
Emerged	42	22	18	16	NA
Soybeans					
Planted	7	5	2	2	NA
Wheat					
Headed or Heading	30	43	28	7	10

(NA) Data Not Available.

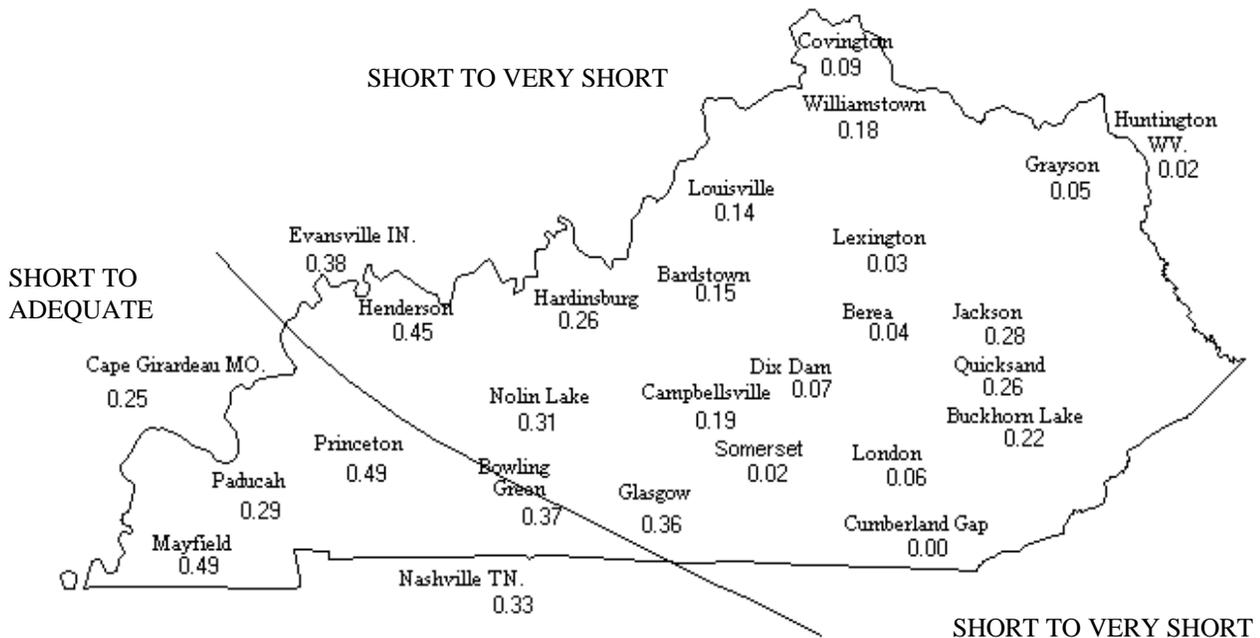
SOIL MOISTURE
WEEK ENDING APRIL 27, 2001
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	19	7
Short	37	31
Adequate	42	59
Surplus	2	3
SUBSOIL		
Very Short	14	8
Short	41	30
Adequate	43	59
Surplus	2	3

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING APRIL 27, 2001					WEEK ENDING APRIL 20, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn Emerged	0	5	31	54	10	0	3	25	65	7
Wheat	1	2	22	57	18	1	2	21	60	16
Pasture	3	12	39	40	6	3	11	32	48	6
Hay Crops	3	13	34	42	8	-	-	-	-	-

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, APRIL 29, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, APRIL 27, 2001



KENTUCKY WEATHER SUMMARY, APRIL 23 - 29, 2001:
NEAR NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Limited rainfall continued last week. It was the 9th consecutive week with below normal rainfall for Kentucky. Since March 1st, 2001 the State has received only 58 percent of normal rainfall compared to 89 percent last year and 77 percent for the same time period in 1999. West and Bluegrass areas have only received 55 and 51 percent of normal rainfall, respectively since March 1st of this year. Low temperatures in the low to mid 30's at mid-week provided scattered frost last week but were offset by high temperatures in upper 70's and near 80 degrees. Temperatures for the period averaged 60 degrees across the State which was NEAR NORMAL. High temperatures averaged from 76 in the West to 74 in the East. Departure from normal high temperatures ranged from 1 degree ABOVE NORMAL in the West to 5 degrees ABOVE NORMAL in the East. Low temperatures averaged from 47 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 3 degrees BELOW NORMAL in the West to 4 degrees BELOW NORMAL in the East.

Rainfall for the past week totaled 0.21 inches statewide which was 0.77 inches BELOW NORMAL. Rainfall totals by climate division, West 0.39 inches, Central 0.26 inches, Bluegrass 0.07 inches and East 0.11 inches, which was 0.68, 0.74, 0.87 and 0.81 inches respectively BELOW NORMAL. By station, weekly rainfall totals ranged from a low of 0.00 inches at Cumberland Gap to a high of 0.49 inches at Mayfield. The latest Palmer Drought Severity Index indicated West, Central and Bluegrass areas had returned to MODERATE hydrologic drought...East was in MILD hydrologic drought.

Tom Priddy

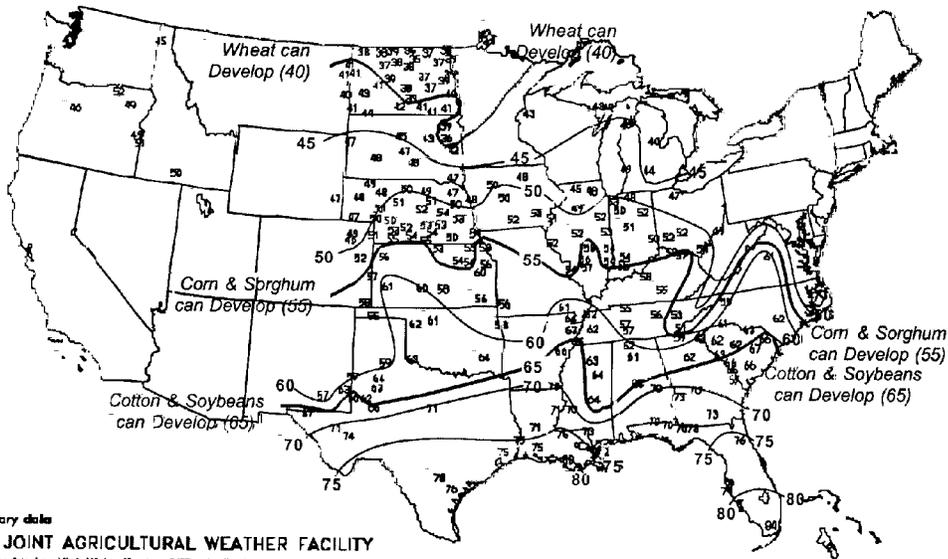
KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, APRIL 29, 7:00 P.M.

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	0.15	1.96	1.59	-1.79	-2.03	80	36	60.6	+0	93	378	+88
Berea	0.04	1.50	1.16	-2.62	-2.82	83	33	59.7	+1	94	401	+111
Bowling Green	0.37	2.25	1.95	-1.93	-2.08	83	36	60.5	+0	91	414	+124
Bristol	0.03	1.61	1.22	-1.58	-1.86	82	33	59.1	+0	85	318	+57
Buckhorn Lake	0.22	2.10	1.65	-1.53	-1.85	87	32	60.4	+1	93	384	+123
Cape Girardeau	0.25	1.78	1.77	-2.50	-2.36	85	34	61.7	-1	99	425	+135
Campbellsville	0.19	2.36	1.95	-2.22	-2.47	83	35	60.6	+0	95	399	+109
Covington	0.09	1.58	1.27	-2.05	-2.23	80	32	56.9	-2	73	343	+111
Cumberland Gap	0.00	2.28	1.98	-1.66	-1.83	85	34	61.2	+2	103	384	+123
Dix Dam	0.07	1.59	1.21	-2.49	-2.73	82	34	59.6	+1	88	379	+89
Evansville	0.38	1.72	1.62	-2.17	-2.13	82	37	60.6	-2	91	409	+148
Glasgow	0.36	2.53	2.02	-1.87	-2.23	83	35	60.2	-0	91	413	+181
Grayson	0.05	1.41	0.99	-2.10	-2.40	87	36	57.9	-1	78	374	+142
Hardinsburg	0.26	1.72	1.55	-2.45	-2.47	82	38	60.5	+0	90	407	+117
Henderson	0.45	2.40	2.40	-1.72	-1.58	83	37	60.9	-2	93	420	+130
Huntington	0.02	1.44	1.03	-2.04	-2.33	88	35	57.6	-1	76	375	+114
Jackson	0.28	1.69	1.19	-2.27	-2.64	85	41	60.2	+1	84	379	+118
Lexington	0.03	1.14	0.72	-2.61	-2.90	82	33	58.5	-0	82	365	+133
London	0.06	1.80	1.54	-1.99	-2.12	82	36	58.7	-0	81	358	+97
Louisville	0.14	1.01	0.82	-3.08	-3.13	83	37	60.5	+0	89	400	+139
Mayfield	0.49	1.52	1.42	-3.36	-3.29	85	36	60.4	-2	91	391	+72
Nashville	0.33	2.42	2.35	-1.80	-1.73	83	41	62.8	+3	96	424	+105
Nolin Lake	0.31	1.96	1.69	-2.42	-2.54	82	37	60.3	+0	90	410	+120
Paducah	0.29	1.87	1.73	-2.97	-2.95	86	37	62.6	+0	101	433	+143
Princeton	0.49	2.31	2.24	-2.33	-2.24	86	35	62.6	+0	105	466	+147
Quicksand	0.26	1.96	1.48	-2.00	-2.35	87	32	59.1	+0	89	382	+121
Somerset	0.02	2.41	2.08	-1.80	-1.98	81	33	59.8	+1	92	387	+97
Spindletop	0.02	1.66	0.99	-2.09	-2.63	79	35	57.6	-1	77	342	+110
Williamstown	0.18	1.15	1.04	-2.86	-2.83	81	37	59.1	+0	84	371	+139

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/>

Average Soil Temperature (°F, 4" Bare)

APR 15 - 21, 2001



Based on preliminary data
 NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
 Supplemental data provided by High Plains Regional Climate Center

Corn Percent Planted

State	Apr 22 2001	Prev Week	Prev Year	5-Yr Avg
CO	3	1	8	10
IL	19	5	28	15
IN	11	3	10	7
IA	1	0	9	4
KS	24	11	37	24
KY	49	24	43	30
MI	0	0	3	1
MN	0	0	6	5
MO	24	13	74	37
NE	2	0	11	6
NC	60	40	61	60
ND	0	0	1	2
OH	3	3	4	6
PA	0	0	3	3
SD	0	0	3	1
TN	67	37	54	53
TX	49	42	67	63
WI	0	0	0	2
ALL	10	5	17	11

These 18 States planted 92% of last year's corn acreage.

Winter Wheat Condition (Percent)

State	VP	P	F	G	EX
AR	2	10	35	48	5
CA	0	0	10	50	40
CO	1	7	28	55	9
ID	0	0	8	80	12
IL	1	5	21	62	11
IN	0	3	22	60	15
KS	13	23	37	25	2
MI	0	3	17	50	30
MO	1	5	27	57	10
MT	5	19	52	22	2
NE	2	12	31	50	5
NC	1	8	25	59	7
OH	1	3	20	59	17
OK	14	21	37	26	2
OR	2	15	38	40	5
SD	16	24	35	22	3
TX	4	13	43	34	6
WA	0	5	27	62	6
ALL	7	15	34	38	6
Prev Wk	6	14	35	39	6
Prev Yr.	6	8	25	49	12

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