



**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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TNS 15-07

AGRICULTURAL NEWS: Scattered showers and thunderstorms during the week provided soil moisture to many areas of the State. Many areas continue to be short of soil moisture and more rainfall is needed to produce good crops. Precipitation for the week was above normal for the first time in eight weeks and averaged 1.58 inches, 0.63 inches above normal. There were mixed reports across the State concerning rainfall amounts as many locations especially in the Bluegrass area received little to no rain. Temperatures averaged 78 degrees, which was three degrees above normal. **Topsoil moisture** was rated as 39 percent very short, 36 percent short, 24 percent adequate and 1 percent surplus. **Subsoil moisture** was rated 41 percent very short, 38 percent short, 20 percent adequate, and 1 percent surplus. There were 5.2 days suitable for fieldwork. Several reports were received of farmers getting out long unused irrigation equipment as well as the cultivating of tobacco and mowing of pastures.

TOBACCO: Fifty-five percent of tobacco plants were under 12 inches, with 32 percent 12-24 inches in height, and 13 percent were over 24 inches. The tobacco crop condition was reported as 12 percent very poor, 16 percent poor, 30 percent fair, 36 percent good, and 6 percent excellent. Statewide tobacco seems to be weathering this dry spell better than most crops but several reports of black shank in the western part of the State were received.

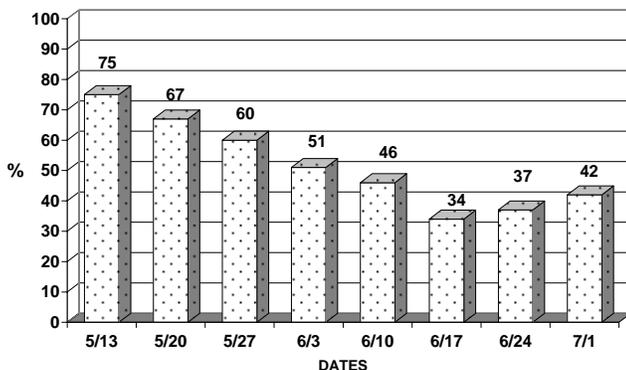
CORN: Corn condition was rated 9 percent very poor, 11 percent poor, 20 percent fair, 44 percent good, and 16 percent excellent. As of Sunday July 1, 50 percent of the corn had silked or was silking, ahead of both last year's 43 percent and the five-year average of 37 percent.

SOYBEANS: Double-crop soybeans were 80 percent planted, behind last year's 91 percent and same as the five-year average. Farmers in drier areas of the State had slowed planting of soybeans due to dry soil conditions. Planting should rapidly advance in areas that received moisture. Thirteen percent of the soybeans were blooming which was behind last year's 15 percent but ahead of the five-year average of 12 percent. Soybean condition was rated 6 percent very poor, 8 percent poor, 25 percent fair, 41 percent good, and 20 percent excellent.

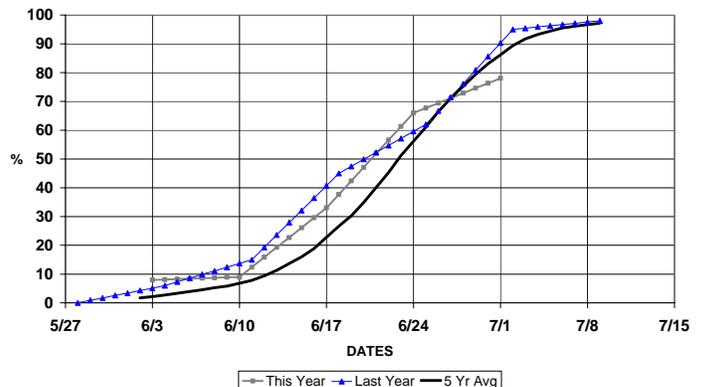
SMALL GRAINS: Seventy-eight percent of the wheat crop has been harvested, compared with 90 percent a year ago and the five-year average of 86 percent. Early reports indicated both yields and test weights to be better than previously anticipated.

OTHER CROPS AND PASTURE: Pasture condition was rated 26 percent very poor, 36 percent poor, 28 percent fair, 9 percent good and 1 percent excellent. Farmers are feeding hay stocks to supplement failed pastures. Many are cutting hay for feed where they can find it.

BURLEY TOBACCO CONDITION
% Good to Excellent



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 1, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn Silking	50	43	37	10	4
Soybeans Blooming	13	15	12	0	6
Wheat Harvested	78	90	86	66	22

(NA)Data Not Available.

SOIL MOISTURE

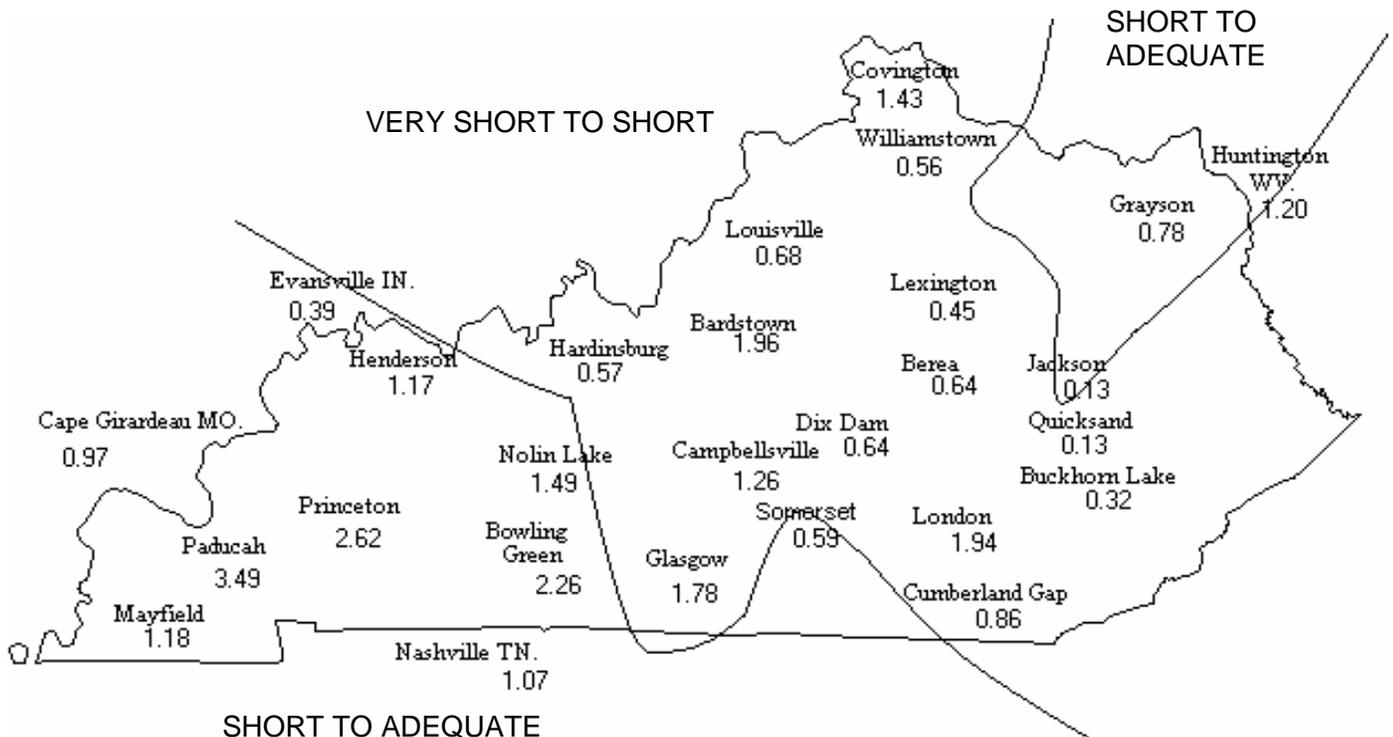
WEEK ENDING JULY 1, 2007

	This Week	Previous Week
TOPSOIL		
Very Short	39	52
Short	36	31
Adequate	24	16
Surplus	1	1
SUBSOIL		
Very Short	41	47
Short	38	36
Adequate	20	17
Surplus	1	0

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 1, 2007					WEEK ENDING JUNE 24, 2007				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	9	11	20	44	16	7	14	30	40	9
Soybeans	6	8	25	41	20	5	12	33	39	11
Pasture	26	36	28	9	1	30	34	29	6	1
Tobacco	12	16	30	36	6	13	16	34	31	6

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING JULY 1, 2007



KENTUCKY WEATHER SUMMARY, JUNE 25 – JULY 1, 2007:

Above Normal Temperatures and Above Normal Rainfall:

Scattered to numerous showers and thunderstorms occurred daily during the work week and the first half of the weekend in the Commonwealth with temperatures in the upper 80s and low 90s. Locally heavy rainfall occurred in many sections of the State, especially west and central where rainfall totals of 2 to 4 inches was common and flooding and flash flooding was of concern. These very timely rain events for agriculture provided above normal rainfall for much of the State with only the Bluegrass area receiving near normal rainfall. There were still areas that received little rainfall especially in the Bluegrass area. Sunday was mostly dry and slightly cooler. Moderate to severe hydrologic drought continued across the State.

Temperatures for the period averaged 78 degrees across the State which was 3 degrees above normal and 3 degrees warmer than the previous week. High temperatures averaged from 87 in the West to 87 in the East. Departure from normal high temperatures ranged from 2 degrees below normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 69 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 3 degrees above normal in the East. Extreme high temperatures were in the low 90s and extreme low temperatures were in the upper 50s.

Rainfall for the period totaled 1.58 inches statewide which was 0.63 inches above normal. Rainfall totals by climate division, West 2.10 inches, Central 1.97 inches, Bluegrass 0.94 inches and East 1.34 inches, which was 1.14, 1.12, -0.02 and 0.33 inches respectively from normal. By station, rainfall totals ranged from a low of 0.13 inches at Jackson to a high of 3.49 inches at Paducah.

Tom Priddy

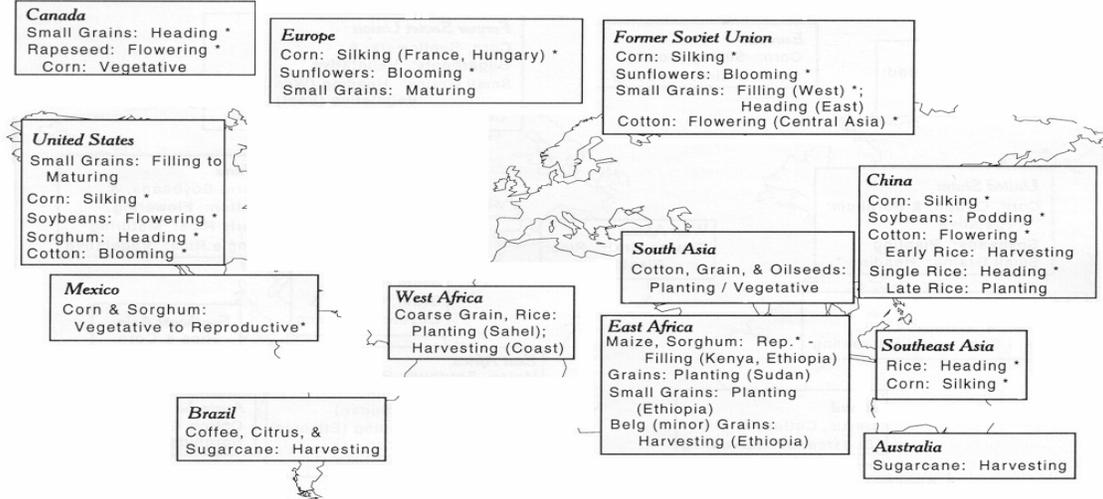
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 1, 7:00 P.M.

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	1.96	9.77	3.54	-2.40	+0.08	90	67	77.2	+2	184	1611	+162
Berea	0.64	7.91	1.51	-5.25	-2.19	92	62	78.6	+4	188	1597	+116
Bowling Green	2.26	9.87	2.64	-3.71	-1.27	91	67	78.3	+3	188	1691	+180
Bristol	1.80	6.47	3.07	-4.41	-0.26	90	65	76.6	+2	174	1462	+105
Buckhorn Lake	0.32	5.29	0.43	-6.88	-3.46	90	66	77.3	+3	183	1593	+297
Cape Girardeau	0.97	8.42	2.03	-4.78	-1.21	91	68	78.5	+2	189	1688	+114
Campbellsville	1.26	11.59	2.43	-2.67	-1.49	91	63	77.7	+3	182	1604	+153
Covington	1.43	5.94	1.85	-6.07	-1.74	93	62	76.8	+2	177	1503	+205
Cumberland Gap	0.86	8.83	2.91	-4.49	-1.09	90	66	77.6	+3	185	1592	+265
Dix Dam	0.64	8.55	2.05	-4.24	-1.41	91	64	77.6	+3	186	1565	+116
Evansville	0.39	8.96	1.70	-3.43	-1.57	90	67	77.5	+1	187	1646	+164
Glasgow	1.78	10.13	2.61	-4.25	-1.70	92	66	79.0	+4	188	1693	+272
Grayson	0.78	7.28	1.59	-4.61	-2.02	93	59	76.9	+2	177	1534	+299
Hardinsburg	0.57	8.91	2.47	-4.21	-1.09	90	68	77.4	+2	184	1696	+185
Henderson	1.17	10.67	2.76	-2.06	-0.78	90	68	77.7	+1	186	1650	+138
Huntington	1.20	6.44	1.89	-5.28	-1.60	94	58	76.9	+2	175	1529	+201
Jackson	0.13	5.53	1.90	-7.04	-1.71	90	61	76.4	+2	177	1565	+269
Lexington	0.45	7.80	2.34	-4.37	-1.12	92	63	77.1	+3	184	1535	+207
London	1.94	9.17	3.50	-2.78	+0.09	91	66	77.6	+3	184	1566	+239
Louisville	0.68	9.81	2.65	-2.65	-0.61	90	67	77.1	+2	183	1588	+106
Mayfield	1.18	6.32	1.67	-7.25	-1.51	90	66	77.5	+1	185	1604	+32
Nashville	1.07	8.42	2.37	-4.53	-0.97	92	66	79.6	+4	194	1770	+166
Nolin Lake	1.49	12.12	3.48	-1.97	-0.21	91	67	78.1	+3	187	1700	+312
Paducah	3.49	11.42	4.93	-2.72	+1.15	91	67	78.4	+1	190	1710	+137
Princeton	2.62	10.56	3.74	-3.19	+0.14	92	66	78.0	+1	186	1762	+220
Quicksand	0.13	5.48	1.90	-7.09	-1.71	90	66	77.1	+3	182	1596	+300
Somerset	0.59	8.65	2.74	-5.17	-1.23	90	56	76.6	+2	173	1469	+51
Spindletop	0.52	7.09	1.74	-5.08	-1.72	91	64	76.8	+2	180	1507	+179
Williamstown	0.56	9.58	2.68	-2.90	-0.86	91	63	77.1	+3	180	1516	+188

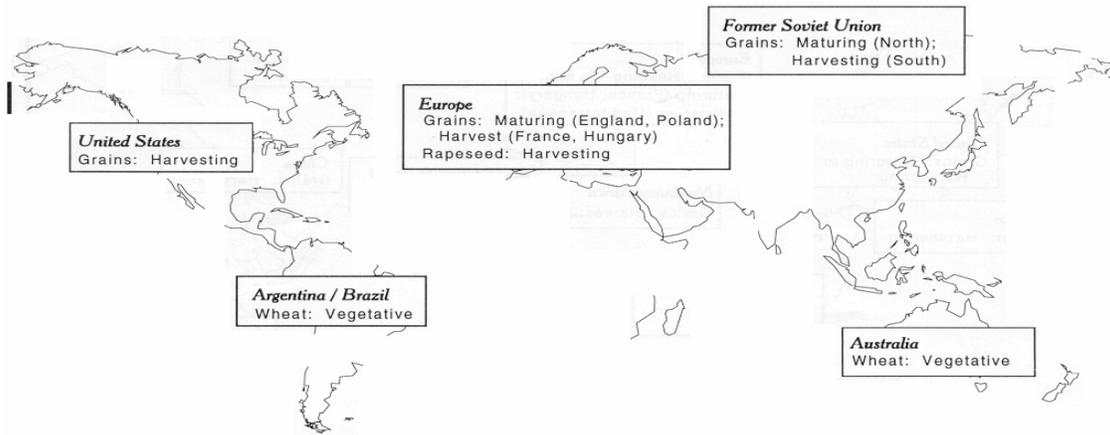
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

July normal crop calendar

Summer crops



Winter crops



* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

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.