

**AGRICULTURAL NEWS:** Rain continued to fall throughout the week in Kentucky. Rain was a welcome sight in the central portions of the State, although additional rain is still needed in the northeastern portion. The western portions of the State has received most of the rainfall, which brought fieldwork to a halt in some areas. Temperatures were above normal this week, with highs in the 90's. Major activities for the week included baling hay, planting double crop soybeans, harvesting small grains, and some side dressing of tobacco. **Topsoil moisture** as of Friday, July 2 was rated 7 percent very short, 15 percent short, 54 percent adequate, and 24 percent surplus. **Subsoil moisture** was rated 12 percent very short, 24 percent short, 50 percent adequate, and 14 percent surplus. Days suitable for fieldwork averaged 2.4 out of a possible six days.

**CORN:** Corn continues to look good, with conditions rated 1 percent very poor, 1 percent poor, 14 percent fair, 52 percent good, and 32 percent excellent. Corn was 55 percent silked, well ahead of last year's 27 percent. Japanese beetles continue to be a problem in western areas. Some weed problems have emerged due to the rain.

**SOYBEANS:** Seeding of the double crop soybeans continues with 93 percent completed by July 4. Virtually all of the single crop beans have been planted with 98 percent of the total soybean crop planted. This is well ahead of the 87 percent last year. Soybeans emerged are at 90 percent, and 17 percent of the soybean crop was blooming. The soybean crop was rated 1 percent very poor, 2 percent poor,

16 percent fair, 52 percent good, and 29 percent excellent. In western areas, Japanese beetles were a problem in the soybeans as well as in the corn.

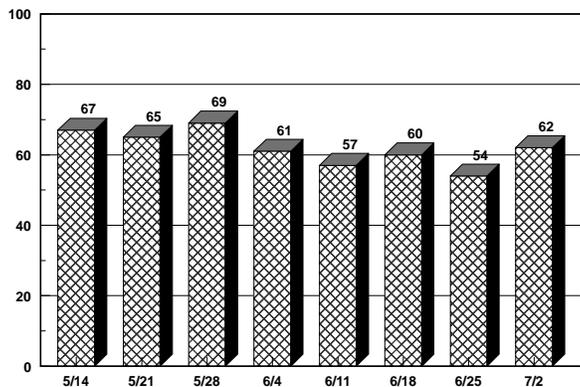
**TOBACCO:** Rain and then the extreme heat has caused some problems with the tobacco. Black shank is the leading problematic disease throughout the State, although scalding was a problem in several areas. Other various problems reported included, worms, root rot, and wilting. Little to no blue mold was reported. The tobacco height was 34 percent under 12 inches, 43 percent between 12-24 inches and 23 percent over 24 inches. Condition of the crop as of July 2 was rated 2 percent very poor, 7 percent poor, 29 percent fair, 45 percent good, and 17 percent excellent.

**SMALL GRAINS: Wheat** harvest was slightly hampered due to the rain, with 91 percent of the crop harvested. Even with the rain, the harvest progress is well ahead of last year's 81 percent and the 5 year average of 75 percent. The wheat crop continues to look good with very good yield and test weights.

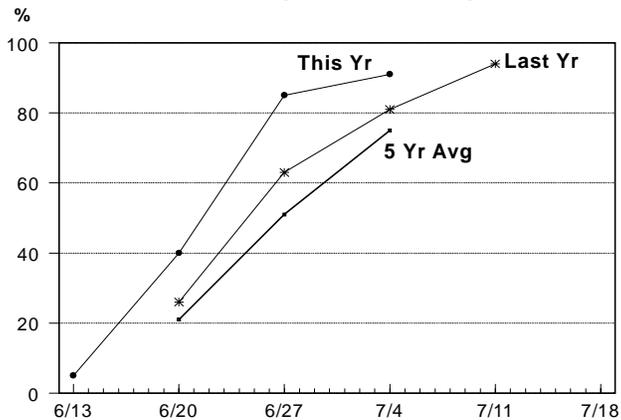
**OTHER CROPS: Pasture** conditions improved in areas which received rain. Additional rain is still needed in the northeastern portions of the State to improve the pastures and other crops. Pastures as of July 2 were rated 4 percent very poor, 12 percent poor, 36 percent fair, 40 percent good, and 8 percent excellent. In the drier portions of the State farmers are starting to feed livestock hay because of the poor pasture conditions. The **hay** crop looks good for the majority of the State.

**BURLEY TOBACCO CONDITION**

% Good to Excellent



**WHEAT PERCENT HARVESTED**



## KENTUCKY CROP PROGRESS

WEEK ENDING JULY 4, 1999

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	Previous Week U.S.
Percentage					
Soybeans					
Planted	98	87	-	93	97
Blooming	17	5	4	2	6
Wheat					
Harvested	91	81	75	85	24
Corn					
Silking	55	27	20	3	4

(NA) Data Not Available

## SOIL MOISTURE

WEEK ENDING JULY 2, 1999

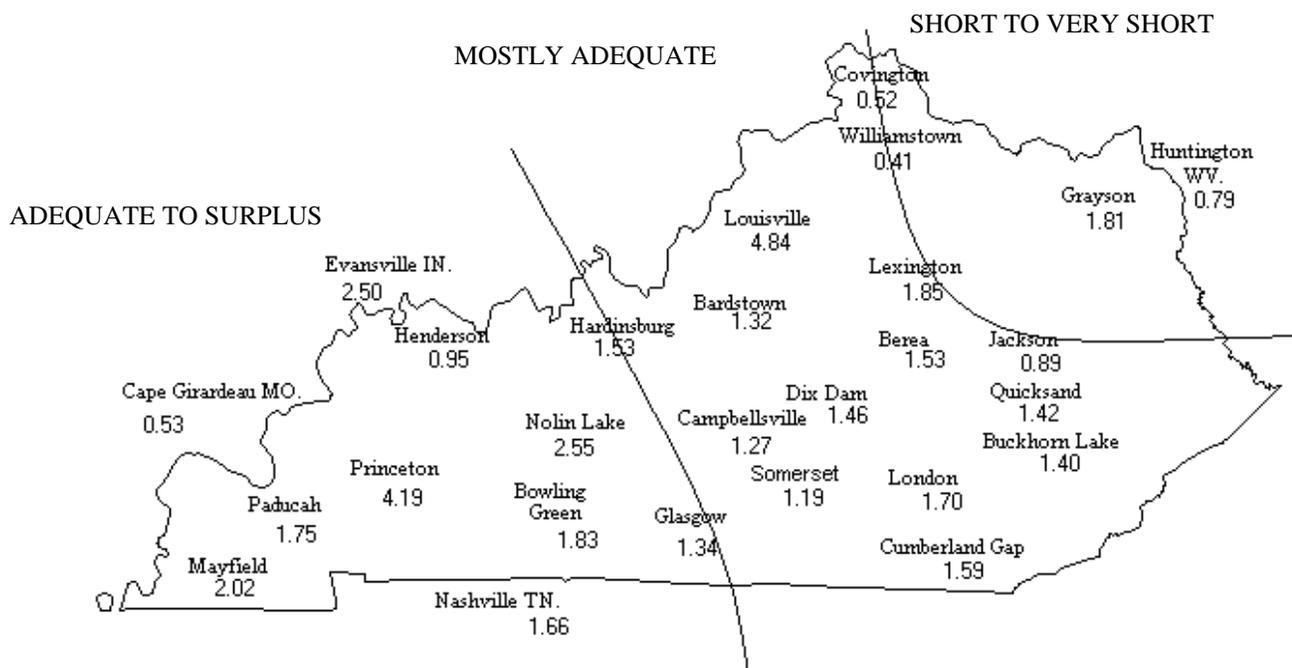
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	7	22
Short	15	31
Adequate	54	42
Surplus	24	5
<b>SUBSOIL</b>		
Very Short	12	24
Short	24	38
Adequate	50	36
Surplus	14	2

## KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 2, 1999					WEEK ENDING JUNE 25, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	1	14	52	32	1	2	19	59	19
Soybeans	1	2	16	52	29	0	3	23	57	17
Pasture	4	12	36	40	8	8	24	34	30	4
Set Tobacco	2	7	29	45	17	3	12	31	42	12

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 4, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 2, 1999



**KENTUCKY WEATHER SUMMARY, JUNE 28 - JULY 4, 1999:**

Heavy rainfall at the beginning of the workweek for the second week straight provided beneficial moisture for crops across most of the state, relief to drought-stricken locations and surplus moisture to West and Northwestern areas. By the weekend hazy, hot and very humid conditions dominated field working conditions.

Temperatures for this past week averaged 78 degrees across the state which was 2 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 70 degrees in the West to 68 degrees in the East. Departure from normal low temperatures were 4 degrees ABOVE NORMAL across the state. Extreme high temperatures were in the mid-to-upper 90's and extreme lows were in the upper 50's to low 60's. Rainfall for the week totaled 1.72 inches statewide which was 0.74 inches ABOVE NORMAL. Precipitation totals by climate division, West 1.99 inches, Central 2.23 inches, Bluegrass 1.32 inches and East 1.35 inches, which was +1.09, +1.21, +0.34 and +0.31 inches respectively ABOVE NORMAL. By station, precipitation totals ranged from a low of 0.41 inches at Williamstown to a high of 4.84 inches at Louisville.

Tom Priddy

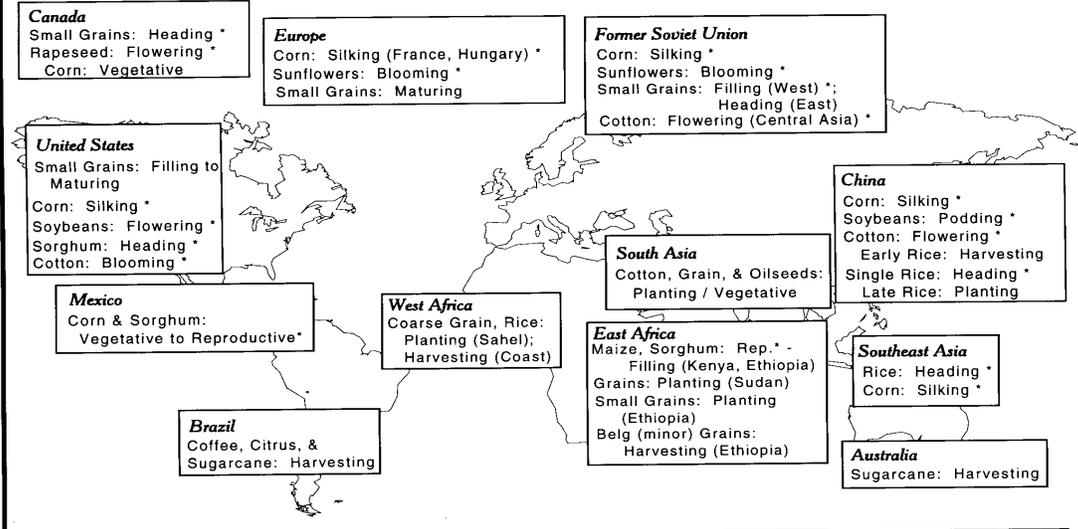
**KENTUCKY TEMPERATURES AND RAINFALL  
FOR WEEK ENDING SUNDAY, JULY 4, 7:00 P.M.**

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	1.32	11.79	4.57	-0.87	+1.00	91	60	76.2	+1	178	1619	+98
Berea	1.53	10.65	3.88	-2.94	+0.15	91	60	76.3	+2	179	1654	+98
Bowling Green	1.83	9.85	3.83	-4.19	-0.12	92	61	79.4	+4	196	1760	+174
Bristol	1.48	9.34	3.93	-1.96	+0.54	90	65	76.4	+2	179	1519	+93
Buckhorn Lake	1.40	9.68	2.91	-2.95	-1.03	96	62	77.7	+3	183	1584	+222
Cape Girardeau	0.53	11.96	3.41	-1.59	+0.18	92	65	78.5	+1	190	1688	+33
Campbellsville	1.27	12.62	4.41	-2.16	+0.39	92	61	77.5	+2	186	1685	+159
Covington	0.52	8.37	3.10	-4.05	-0.52	92	56	76.5	+2	178	1477	+107
Cumberland Gap	1.59	9.77	3.22	-4.06	-0.87	94	64	77.9	+3	188	1601	+205
Dix Dam	1.46	10.53	4.13	-2.74	+0.55	93	60	76.6	+2	179	1575	+54
Evansville	2.50	14.52	4.22	+1.74	+0.91	91	61	77.1	-0	183	1616	+56
Glasgow	1.34	11.01	3.86	-3.89	-0.51	94	62	79.3	+4	192	1803	+307
Grayson	1.81	11.43	4.40	-0.93	+0.70	98	55	77.6	+3	178	1613	+312
Hardinsburg	1.53	14.81	4.72	+1.22	+1.07	93	56	78.2	+3	188	1611	+25
Henderson	0.95	14.91	3.79	+1.78	+0.23	91	63	78.0	+1	188	1712	+122
Huntington	0.79	5.82	1.42	-6.38	-2.18	98	59	80.1	+5	192	1610	+210
Jackson	0.89	8.66	2.40	-4.42	-1.33	91	62	76.9	+2	183	1602	+240
Lexington	1.85	9.09	4.53	-3.57	+0.96	91	60	76.8	+2	183	1574	+174
London	1.70	10.14	2.88	-2.27	-0.63	91	62	77.1	+2	183	1589	+193
Louisville	4.84	16.26	7.40	+3.37	+4.05	94	60	78.1	+3	187	1643	+83
Mayfield	2.02	16.03	7.48	+2.02	+4.20	92	61	78.1	+1	189	1702	+55
Nashville	1.66	11.44	3.11	-1.89	-0.26	92	65	79.7	+4	199	1861	+176
Nolin Lake	2.55	13.09	5.83	-1.49	+2.04	94	59	78.7	+3	191	1707	+250
Paducah	1.75	18.86	6.09	+4.32	+2.31	93	64	79.4	+2	194	1730	+79
Princeton	4.19	17.49	7.38	+3.33	+3.75	93	58	78.9	+2	187	1830	+210
Quicksand	1.42	8.59	2.29	-4.49	-1.44	91	61	76.6	+2	180	1579	+217
Somerset	1.19	16.37	5.00	+2.08	+0.98	91	61	76.5	+2	180	1592	+105
Spindletop	2.13	7.38	3.61	-5.28	+0.04	92	59	76.7	+2	181	1541	+141
Williamstown	0.41	6.58	2.90	-6.33	-0.70	97	59	77.3	+3	181	1606	+206

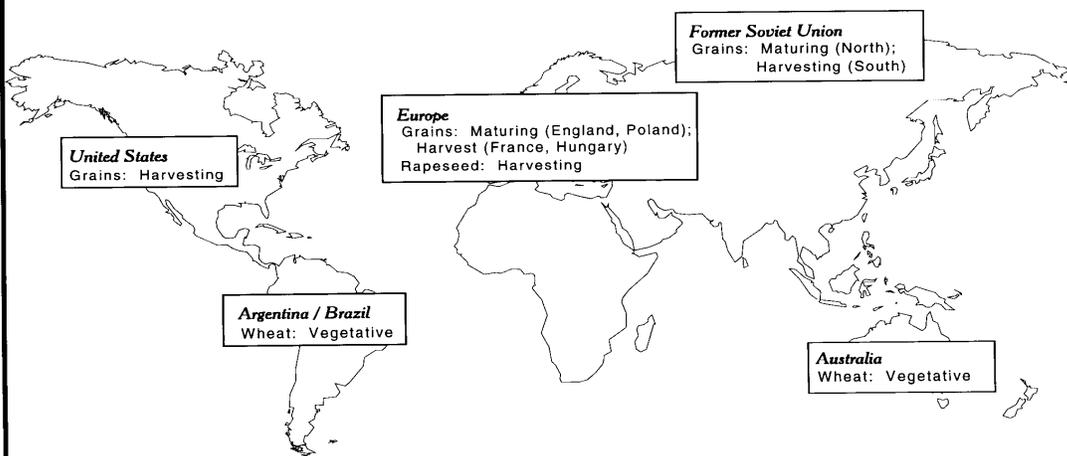
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

# July normal crop calendar

## Summer crops



## Winter crops



\* Moisture / Temperature Sensitive Stage of Development