

AGRICULTURAL NEWS: Scattered showers at the end of the week brought needed relief to many areas in Kentucky. More rain is needed in the central and eastern portions of the State. Temperatures averaged near normal. Major activities for the week included baling hay, planting second crop soybeans, and harvesting small grains. **Topsoil moisture** as of Friday, June 25 was rated 22 percent very short, 31 percent short, 42 percent adequate, and 5 percent surplus. **Subsoil moisture** was rated 24 percent very short, 38 percent short, 36 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 4.7 out of a possible six days.

CORN: Corn continues to look good, with conditions rated at 1 percent very poor, 2 percent poor, 19 percent fair, 59 percent good, and 19 percent excellent. Corn tasseling is at 22 percent which is ahead of last year's 15 percent and the 5 year average of 6 percent. Corn is 3 percent silked. Japanese beetles continue to be a problem in a few scattered areas.

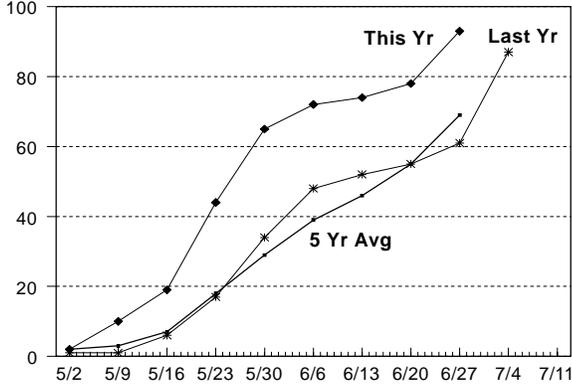
SOYBEANS: Seeding of the double crop soybeans continues with 72 percent completed by June 27. Virtually all of the single crop beans have been planted with 93 percent of the total soybean crop planted. This is well ahead of the 61 percent last year and the 5 year average of 69 percent. Soybeans emerged are at 85 percent, and 2 percent of the soybean crop was blooming. The average soybean height is 10 inches. The soybean crop is rated at 3 percent poor, 23 percent fair, 57 percent good, and 17 percent excellent.

TOBACCO: The tobacco crop looks good in most areas throughout the State. Black shank and other various insect problems had been reported, worse in the drier regions. There were little to no reports of blue mold. Tobacco resetting occurred mostly in the drier regions, although some areas reported that the dry weather hampered tobacco resetting. The tobacco height is 51 percent under 12 inches, 36 percent between 12-24 inches and 13 percent over 24 inches. Condition of the crop as of June 25 was rated as 3 percent very poor, 12 percent poor, 31 percent fair, 42 percent good, and 12 percent excellent.

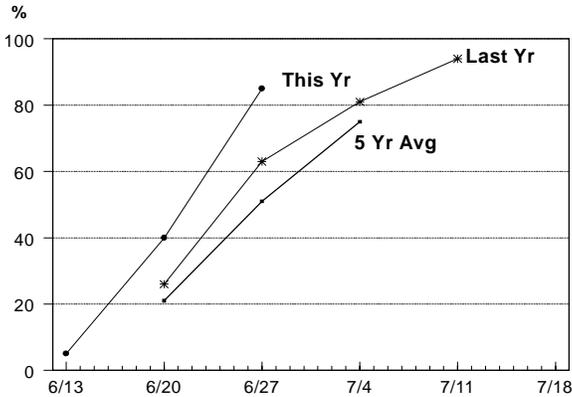
SMALL GRAINS: Wheat harvested is still making progress despite the rain towards the end of the week, with 85 percent of the crop harvested. The harvest progress is well ahead of last year's 63 percent and the 5 year average of 51 percent. Good yields and test weights are being reported by farmers. **Barley** harvest is practically finished at 99 percent.

OTHER CROPS: Sorghum planting is nearly complete at 99 percent. **Pasture** conditions continue to decline despite the rain. More rain is needed in the central and eastern portions of the State to improve the pastures. Pastures as of June 25 were rated as 8 percent very poor, 24 percent poor, 34 percent fair, 30 percent good, and 4 percent excellent. In the drier portions of the State yield and conditions for the hay crop are down, although for the majority of the State the hay crop looks good.

SOYBEAN PLANTING PROGRESS



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS
WEEK ENDING JUNE 27, 1999
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Planted	93	61	69	78	94
Emerged	85	56	63	76	89
Wheat					
Harvested	85	63	51	40	17

(NA) Data Not Available

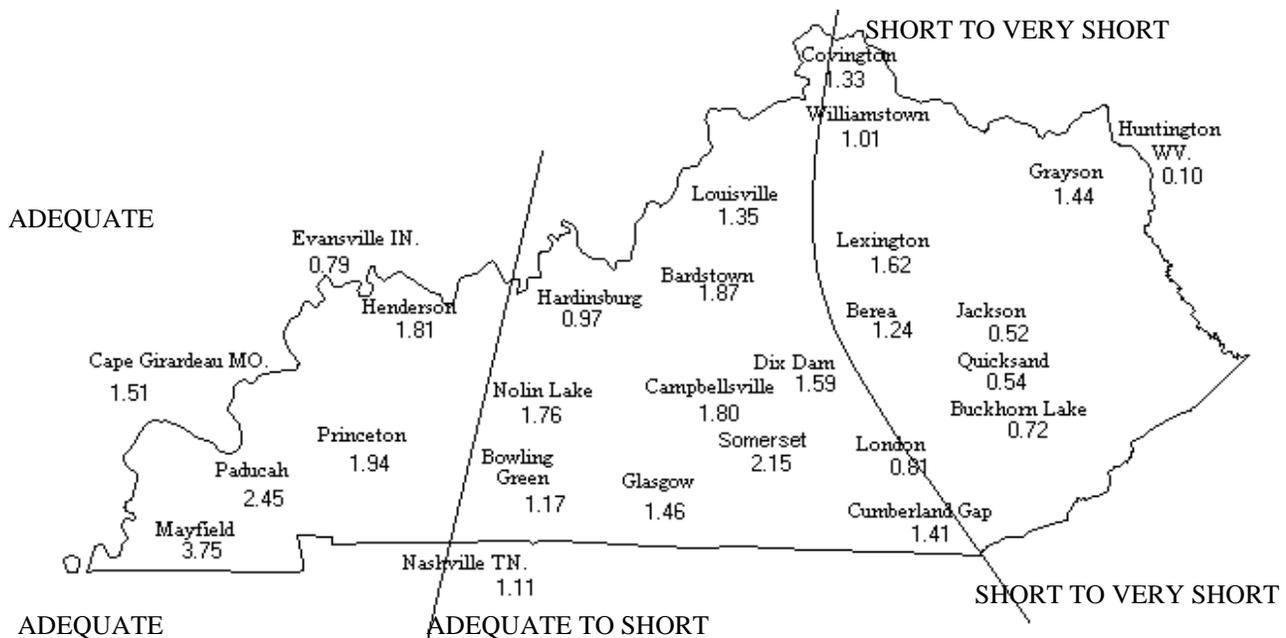
SOIL MOISTURE
WEEK ENDING JUNE 25, 1999
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	22	18
Short	31	32
Adequate	42	48
Surplus	5	2
SUBSOIL		
Very Short	24	21
Short	38	39
Adequate	36	38
Surplus	2	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JUNE 25, 1999					WEEK ENDING JUNE 18, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	2	19	59	19	0	3	17	55	25
Soybeans	0	3	23	57	17	1	2	16	58	23
Pasture	8	24	34	30	4	5	19	34	36	6
Set Tobacco	3	12	31	42	12	2	6	32	46	14

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 27, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 25, 1999



KENTUCKY WEATHER SUMMARY, JUNE 21 - 27, 1999:

ABOVE NORMAL TEMPERATURES AND RAINFALL:

Beneficial rain improved soil moisture conditions across the Commonwealth last week with several rainfall events during the week. The greatest rainfall totals were in the Western sections of the state with Eastern sections receiving the lesser amounts, however, rainfall totals of greater than 1 inch were common statewide. Temperatures for this past week averaged 75 degrees across the state which was 1 degree ABOVE NORMAL. High temperatures averaged from 86 in the West to 84 in the East. Departure from normal high temperatures ranged from 3 degrees BELOW NORMAL in the West to NEAR NORMAL in the East. Low temperatures averaged from 68 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 4 degrees ABOVE NORMAL in the West to NEAR NORMAL in the East. Rainfall for the week totaled 1.43 inches statewide which was 0.54 inches ABOVE NORMAL. Precipitation totals by climate division, West 2.04 inches, Central 1.43 inches, Bluegrass 1.28 inches and East 0.96 inches, which was 1.19, 0.51, 0.40 and 0.04 inches respectively ABOVE NORMAL. By station, precipitation totals ranged from a low of 0.10 inches at Huntington to a high of 3.75 inches at Mayfield.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JUNE 27, 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	1.87	10.47	4.01	-1.17	+0.57	87	62	75.5	+1	177	1441	+82
Berea	1.24	9.12	2.51	-3.51	-1.20	89	54	74.0	+0	162	1475	+85
Bowling Green	1.17	8.02	3.05	-4.99	-0.86	90	62	76.9	+2	182	1564	+147
Bristol	1.83	7.86	2.99	-2.53	-0.32	87	56	73.6	-0	162	1340	+69
Buckhorn Lake	0.72	8.28	1.90	-3.32	-1.97	86	52	72.9	-1	159	1401	+184
Cape Girardeau	1.51	11.43	3.59	-1.31	+0.30	87	64	76.1	-0	179	1498	+23
Campbellsville	1.80	11.35	3.92	-2.32	+0.01	88	59	74.9	+0	172	1499	+136
Covington	1.33	7.85	2.91	-3.64	-0.68	88	62	75.8	+2	176	1299	+85
Cumberland Gap	1.41	8.18	2.41	-4.54	-1.58	88	52	73.9	-0	164	1413	+169
Dix Dam	1.59	9.07	3.29	-3.19	-0.17	88	51	72.0	-2	150	1396	+37
Evansville	0.79	12.02	4.10	+0.11	+0.81	87	64	76.2	-0	182	1433	+46
Glasgow	1.46	9.67	3.45	-4.08	-0.85	89	61	76.0	+1	177	1611	+281
Grayson	1.44	9.62	3.60	-1.73	+0.01	88	58	74.6	+1	169	1435	+279
Hardinsburg	0.97	13.28	5.08	+0.69	+1.51	91	53	76.8	+2	178	1423	+6
Henderson	1.81	13.96	5.91	+1.74	+2.35	90	65	77.9	+1	186	1524	+107
Huntington	0.10	5.03	0.63	-6.16	-2.84	93	56	76.4	+3	172	1418	+174
Jackson	0.52	7.77	1.80	-4.25	-1.78	86	60	74.1	+0	168	1419	+202
Lexington	1.62	7.24	3.67	-4.40	+0.23	89	60	75.7	+2	175	1391	+150
London	0.81	8.44	1.74	-3.00	-1.66	87	55	73.6	-0	163	1406	+162
Louisville	1.35	11.42	3.89	-0.54	+0.63	88	65	76.7	+2	182	1456	+69
Mayfield	3.75	14.01	6.11	+0.92	+2.92	87	64	76.9	+0	185	1513	+35
Nashville	1.11	9.78	2.84	-2.68	-0.53	89	61	77.5	+3	185	1662	+157
Nolin Lake	1.76	10.54	4.45	-3.00	+0.75	90	63	76.5	+2	178	1516	+211
Paducah	2.45	17.11	7.55	+3.52	+3.75	89	64	76.9	+0	184	1536	+61
Princeton	1.94	13.30	4.39	+0.08	+0.77	91	65	77.8	+1	184	1643	+196
Quicksand	0.54	7.17	1.16	-4.85	-2.42	86	52	72.5	-1	156	1399	+182
Somerset	2.15	15.18	4.43	+1.94	+0.45	87	57	73.5	-0	161	1412	+80
Spindletop	0.88	5.25	2.03	-6.39	-1.41	90	59	75.8	+2	175	1360	+119
Williamstown	1.01	6.17	2.95	-5.78	-0.59	88	63	77.1	+3	184	1425	+184

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/>

DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

CORN PHENOLOGICAL STAGES:

- Silking* - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough* - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent* - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature* - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

SOYBEAN PHENOLOGICAL STAGES:

- Blooming* - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods* - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves* - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

SORGHUM PHENOLOGICAL STAGES:

- Headed* - The head is present, visible and fully emerged.
- Coloring* - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature* - Grains readily part from the head and are tough and not easily crushed by the thumbnail.