



Kentucky Agricultural Statistics Service
 P.O. Box 1120
 Louisville, Kentucky 40201-1120
 (502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



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

Released weekly April through November

Issued 4:00 P.M., September 9, 2002

KGC 25-02

AGRICULTURAL NEWS: Rain is desperately needed for fall crops all across the State. Virtually no rain fell on most areas of Kentucky this week. Hot and dry conditions caused crops still in the field to be stressed. Yields vary greatly because of the spotty summer shower activity. Days suitable for fieldwork averaged 6.4 out of a possible seven days. Harvesting hay, corn, and tobacco continued to be the main activities on the farm this week. As of Friday, September 6, **topsoil moisture** was rated 48 percent very short, 37 percent short, 14 percent adequate, and 1 percent surplus as of Friday, September 6. **Subsoil moisture** was rated 50 percent very short, 35 percent short, 14 percent adequate and 1 percent surplus.

TOBACCO: Cut tobacco was rated mostly fair to good. However, the remaining tobacco growth in the field was hurt by the warm, dry weather. Some of the housed crop was curing too fast and drying out due to lack of humidity. Condition of tobacco was 11 percent very poor, 15 percent poor, 35 percent fair, 31 percent good, and 8 percent excellent. Well over half of the burley crop has been harvested with 70 percent cut. Last year the rate was 75 percent, with the 5-year average at 65 percent. Fifty-nine percent of the **dark tobacco** has been cut, compared to 70 percent for 2001 and 66 for the 5-year average.

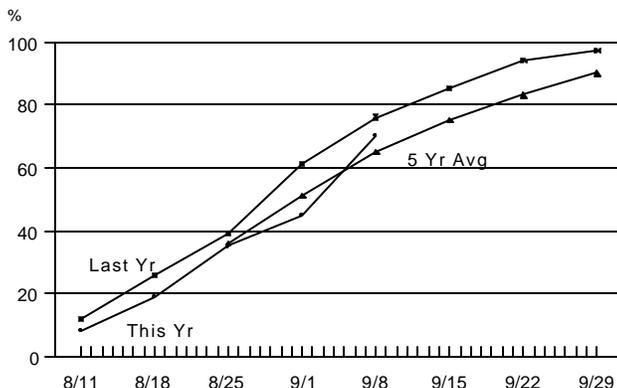
CORN: As the heat continued to dry the corn crop down, farmers got an early start harvesting their crop. Reports on corn crop yields continued to be mixed with good yields in areas receiving timely rains and other areas showing poorer yields. As of Friday, September 6, corn condition was

reported as 10 percent very poor, 23 percent poor, 34 percent fair, 27 percent good, and 6 percent excellent. Ninety-five percent of the corn crop was dented, compared to 97 percent one year ago. The 5-year average was at 94 percent. Approximately 70 percent of the corn crop was matured. In 2001, 76 percent was matured, with 63 percent the 5-year average. Corn harvesting reached 35 percent, compared to 19 percent last year and 18 percent for the 5-year average.

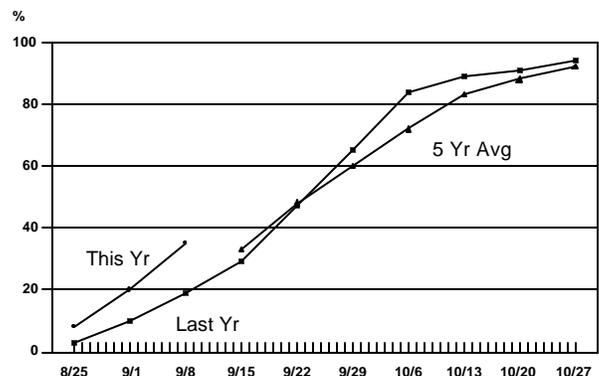
SOYBEANS: The lack of rain and the heat has stressed the soybean crop. Some pods have not filled out completely, and the leaves of early planted fields were yellowing quickly. Crop condition was 10 percent very poor, 23 percent poor, 34 percent fair, 25 percent good, and 8 percent excellent. Forty percent of the soybean plants turned yellow, compared to 39 percent last year, 34 percent being the 5-year average. As of Friday, September 6, 18 percent of the soybean crop was shedding leaves, compared with 17 percent last year, and 16 percent for the 5-year average.

OTHER CROPS: **Hay** continued to be cut, though yields have been greatly reduced by the lack of moisture. Condition of the hay was reported as 23 percent very poor, 31 percent poor, 25 percent fair, 19 percent good, and 2 percent excellent. **Pastures** have nearly dried up in some areas and have forced some farmers to feed hay to their cattle. Pasture condition was reported at 23 percent very poor, 32 percent poor, 30 percent fair, 14 percent good, and 1 percent excellent. Rain is needed to stimulate fall pasture growth.

BURLEY TOBACCO PERCENT CUT PROGRESS



CORN HARVESTED PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING SEPTEMBER 8, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Turning Yellow	40	39	34	17	NA
Shedding Leaves	18	17	16	4	7
Corn					
Dent Stage	95	97	94	91	63
Mature	70	76	63	61	16
Harvested	35	19	18	20	NA
Burley Tobacco Cut	70	75	65	45	NA
Dark Tobacco Cut	59	70	66	43	NA

(NA) Data Not Available.

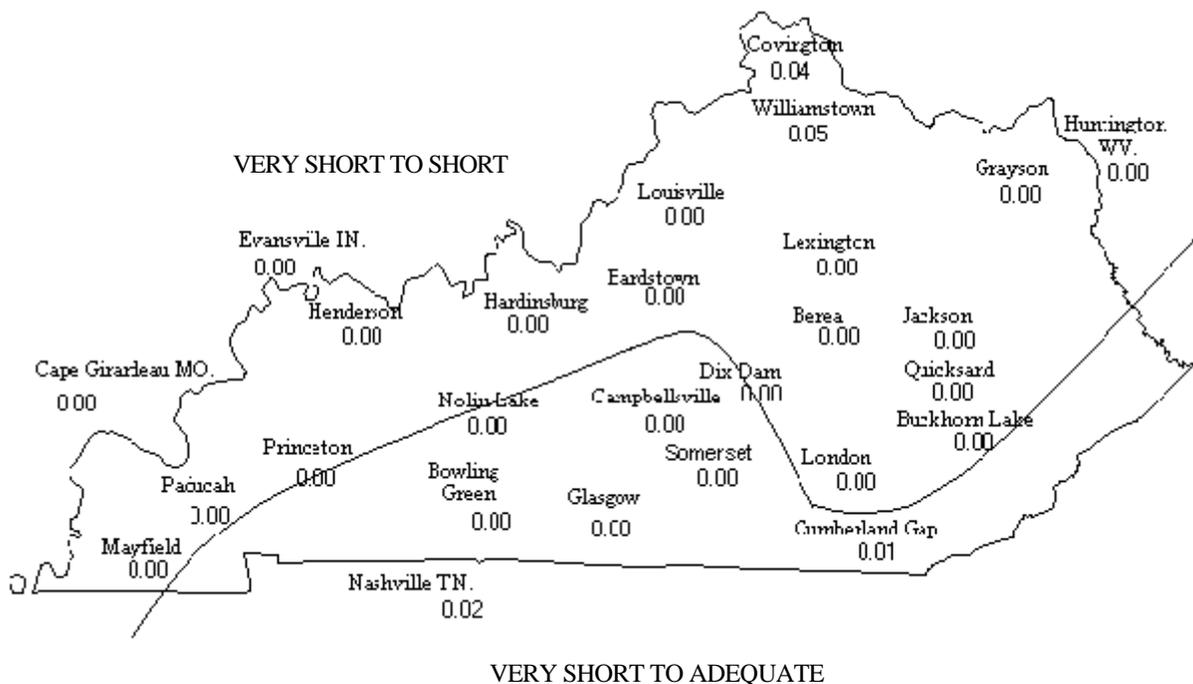
SOIL MOISTURE
WEEK ENDING SEPTEMBER 6, 2002
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	48	36
Short	37	35
Adequate	14	28
Surplus	1	1
SUBSOIL		
Very Short	50	41
Short	35	36
Adequate	14	23
Surplus	1	0

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING SEPTEMBER 6, 2002					WEEK ENDING AUGUST 30, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	10	23	34	27	6	7	16	35	34	8
Soybeans	10	23	34	25	8	4	15	34	36	11
Pasture	23	32	30	14	1	19	28	26	25	2
Hay Crops	23	31	25	19	2	18	25	28	26	3
Tobacco in Field	11	15	35	31	8	7	18	31	33	11

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 8, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 6, 2002



KENTUCKY WEATHER SUMMARY, SEPTEMBER 2 - 8, 2002:

ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

For the fifteenth week in a row, the State experienced temperatures at or above normal, with temperatures thus far in September soaring at a near-record pace for the month. Most locations reported daily temperatures in the 90's the entire week. Rainfall for the week was well below normal for the State. What rainfall that did occur, was isolated to the north and western parts of the State, and fell early in the week - leaving the later part of the week rainfree.

Temperatures for the period averaged 78 degrees across the State which was 8 degrees above normal. High temperatures averaged from 94 in the West to 91 in the East. Departure from normal high temperatures ranged from 10 degrees above normal in the West to 10 degrees above normal in the East. Low temperatures averaged from 64 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 3 degrees above normal in the West to 4 degrees above normal in the East.

Rainfall for the period totaled 0.00 inches statewide which was 0.80 inches below normal. Rainfall totals by climate division, West 0.00 inches, Central 0.00 inches, Bluegrass 0.02 inches and East 0.00 inches, which was 0.82, 0.85, 0.76 and 0.78 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Bardstown (and most locations in the State) to a high of 0.05 inches at Williamstown.

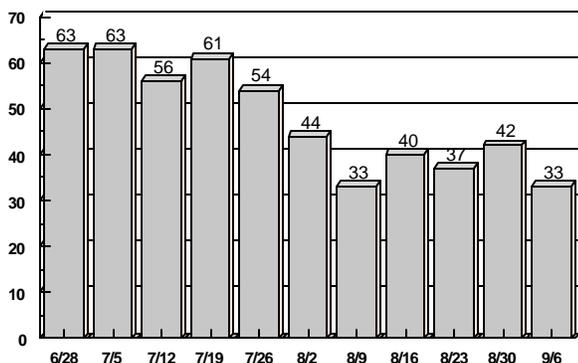
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 8, 7:00 P.M.

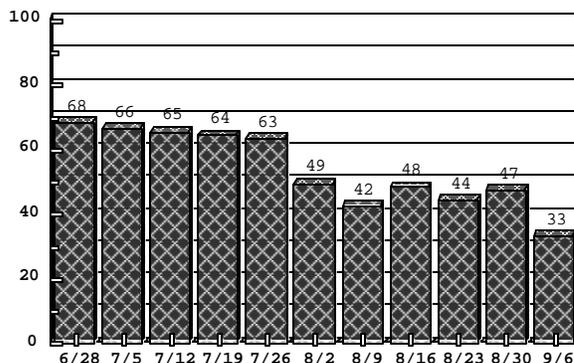
Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.00	24.34	2.06	+2.55	-1.33	95	58	77.4	+7	175	3374	+348
Berea	0.00	28.17	2.39	+5.67	-1.25	94	56	77.3	+8	175	3427	+300
Bowling Green	0.00	22.73	4.34	+0.06	+1.08	95	58	79.1	+9	178	3480	+323
Bristol	0.01	13.30	3.21	-5.80	+0.30	92	53	74.2	+5	153	3198	+294
Buckhorn Lake	0.00	18.88	1.71	-2.60	-1.62	93	52	76.3	+7	166	3227	+484
Cape Girardeau	0.00	28.63	6.54	+7.56	+3.34	93	53	76.3	+4	164	3520	+209
Campbellsville	0.00	24.35	2.97	-0.92	-1.22	94	56	77.0	+7	170	3454	+357
Covington	0.04	20.45	1.39	+0.22	-1.54	96	60	77.9	+8	175	3141	+274
Cumberland Gap	0.01	14.77	2.82	-8.80	-0.79	92	56	75.9	+6	164	3316	+442
Dix Dam	0.00	23.01	2.08	+0.61	-1.35	95	57	77.9	+8	175	3366	+301
Evansville	0.00	20.75	0.78	+0.55	-2.02	96	57	79.3	+7	177	3462	+304
Glasgow	0.00	23.51	3.13	-1.08	-0.51	94	57	78.6	+8	173	3587	+520
Grayson	0.00	18.34	1.05	-2.73	-2.10	96	56	77.5	+8	171	3245	+532
Hardinsburg	0.00	20.20	2.07	-2.29	-1.34	95	58	79.0	+9	178	3420	+255
Henderson	0.00	26.46	3.08	+5.68	+0.11	96	56	78.6	+6	173	3482	+294
Huntington	0.00	17.87	0.77	-3.31	-2.52	97	55	77.4	+8	168	3223	+326
Jackson	0.00	21.42	1.72	-1.18	-1.81	93	61	78.1	+9	178	3258	+515
Lexington	0.00	16.71	1.93	-5.08	-1.46	97	57	78.3	+9	173	3290	+385
London	0.00	16.97	1.80	-3.83	-1.26	92	54	75.2	+6	162	3210	+344
Louisville	0.00	18.87	0.84	-2.33	-2.29	95	59	79.2	+9	179	3384	+195
Mayfield	0.00	14.17	1.66	-8.64	-1.87	95	57	77.6	+5	172	3378	+152
Nashville	0.02	17.28	2.98	-3.88	-0.16	95	62	79.6	+9	183	3641	+253
Nolin Lake	0.00	21.37	3.47	-2.49	-0.07	95	58	79.0	+9	178	3432	+497
Paducah	0.00	20.78	1.70	-1.73	-1.44	98	54	79.5	+7	172	3572	+292
Princeton	0.00	20.83	2.06	-1.97	-1.42	98	57	79.8	+7	174	3628	+371
Quicksand	0.00	20.54	1.83	-2.06	-1.70	93	51	76.3	+7	167	3227	+484
Somerset	0.00	21.83	2.18	-1.71	-1.42	93	54	75.1	+6	161	3261	+296
Spindletop	0.00	13.16	0.69	-8.63	-2.70	96	56	78.3	+9	174	3202	+297
Williamstown	0.05	16.45	0.42	-4.99	-2.84	99	61	79.9	+10	177	3322	+417

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/>

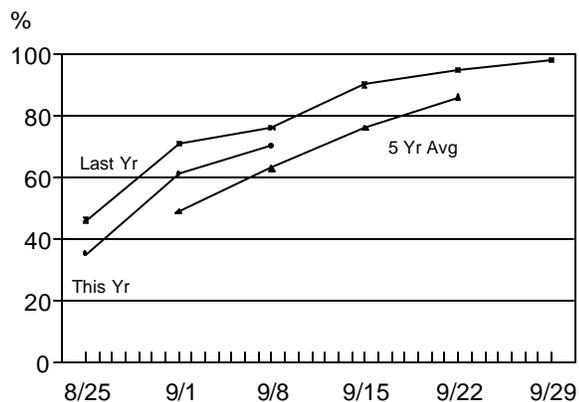
CORN CONDITION
% Good to Excellent



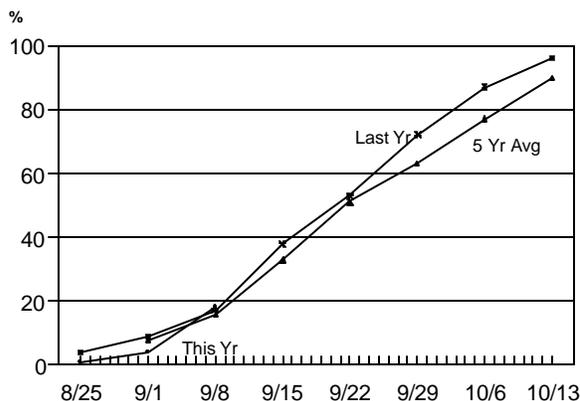
SOYBEAN CONDITION
% Good to Excellent



CORN MATURE OR BEYOND PROGRESS



SOYBEANS SHEDDING LEAVES OR BEYOND



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, send an E-Mail message to nass-state-releases@news.usda.gov with the following command in the body of the message: **subscribe ky-crop-weather <e-mail address>**. The E-Mail address is optional; leave the address blank unless subscribing for someone else. The default address is where you sent the message from. You would unsubscribe in a similar way but use the word unsubscribe.

**UNITED STATES DEPARTMENT OF AGRICULTURE
KENTUCKY AGRICULTURAL STATISTICS SERVICE
AGRICULTURAL STATISTICIAN
POST OFFICE BOX 1120
LOUISVILLE, KENTUCKY 40201-1120**

ADDRESS SERVICE REQUESTED

**PRESORTED
FIRST CLASS MAIL
U.S. POSTAGE PAID
MAILED FROM ZIP CODE 39205**