



**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

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

LELAND E. BROWN, Director

Released weekly April - November

Issued 4:00 P.M., July 17, 2006

JMB 17-06

AGRICULTURAL NEWS: The State received 2.10 inches of much needed rain this week, 1.04 inches above normal. The average temperature for the week was 79 degrees, 3 degrees above normal. **Topsoil moisture** as of Friday, July 14, was rated 3 percent very short, 19 percent short, 63 percent adequate, and 15 percent surplus. **Subsoil moisture** was rated 4 percent very short, 20 percent short, 66 percent adequate, and 10 percent surplus. Due to the rain received over most of the State, days suitable for fieldwork averaged 3.5 days out of a possible 7 days. The majority of fieldwork included baling hay, spraying tobacco for blue mold, soybeans for weeds, and topping tobacco.

TOBACCO: There were 43 counties with confirmed blue mold sightings, up from 25 counties a week ago. The blue mold presence has been mostly in the middle to eastern portion of the State. The tobacco condition was rated 1 percent very poor, 3 percent poor, 21 percent fair, 55 percent good, and 20 percent excellent. As of Sunday, July 16, 20 percent of the burley tobacco was blooming or beyond, the same as last year, but behind the five year average of 22 percent. Seven percent of the burley had been topped, the same as the five year average and up from last year's 3 percent. Thirty-one percent of the dark tobacco was blooming or beyond, behind last year's 33 percent, and the five year average of 32 percent.

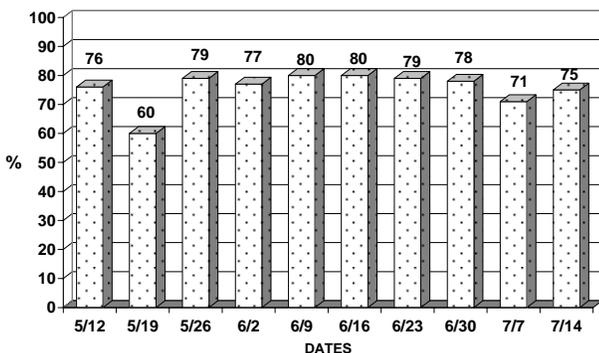
CORN: The rains received last week have helped

the corn, and the potential yield looks good. The condition of the corn was rated 2 percent poor, 13 percent fair, 47 percent good, and 38 percent excellent. Seventy-five percent of the corn has silked or was silking as of Sunday, July 16, behind last year's 77 percent, but ahead of the five year average of 74 percent. Twenty-eight percent of the corn was in the milk stage or beyond, behind last year's 43 percent, and the five year average of 35 percent.

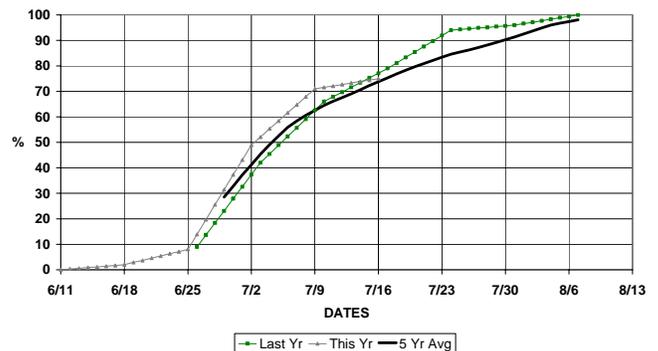
SOYBEANS: As of Sunday, July 16, 41 percent of soybeans were blooming, behind last year's 53 percent, but ahead of the five year average of 35 percent. Seventeen percent of the soybeans were setting pods, ahead of last year's 13 percent and the five year average of 10 percent. The soybean condition was rated 1 percent very poor, 4 percent poor, 23 percent fair, 47 percent good, and 25 percent excellent. The rain, where received, last week will help the development of the double crop soybeans.

OTHER CROPS: One of the main activities this week was baling hay. Hay condition as of Friday, July 14, was rated 1 percent very poor, 5 percent poor, 30 percent fair, 53 percent good, and 11 percent excellent. The condition of pastures has improved as well with the percent rated good to excellent increasing 5 percent. The condition of the pastures as of Friday, July 14, was rated 1 percent very poor, 4 percent poor, 29 percent fair, 56 percent good, and 10 percent excellent.

BURLEY TOBACCO CONDITION
% Good to Excellent



CORN PERCENT SILKED



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 16, 2006
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Silking	75	77	74	71	23
Milk Stage	28	43	35	NA	NA
Soybeans					
Blooming	41	53	35	31	38
Setting Pods	17	13	10	4	7
Burley Tobacco					
Blooming	20	20	22	NA	NA
Topped	7	3	7	NA	NA
Dark Tobacco					
Blooming	31	33	32	NA	NA

(NA)Data Not Available.

SOIL MOISTURE

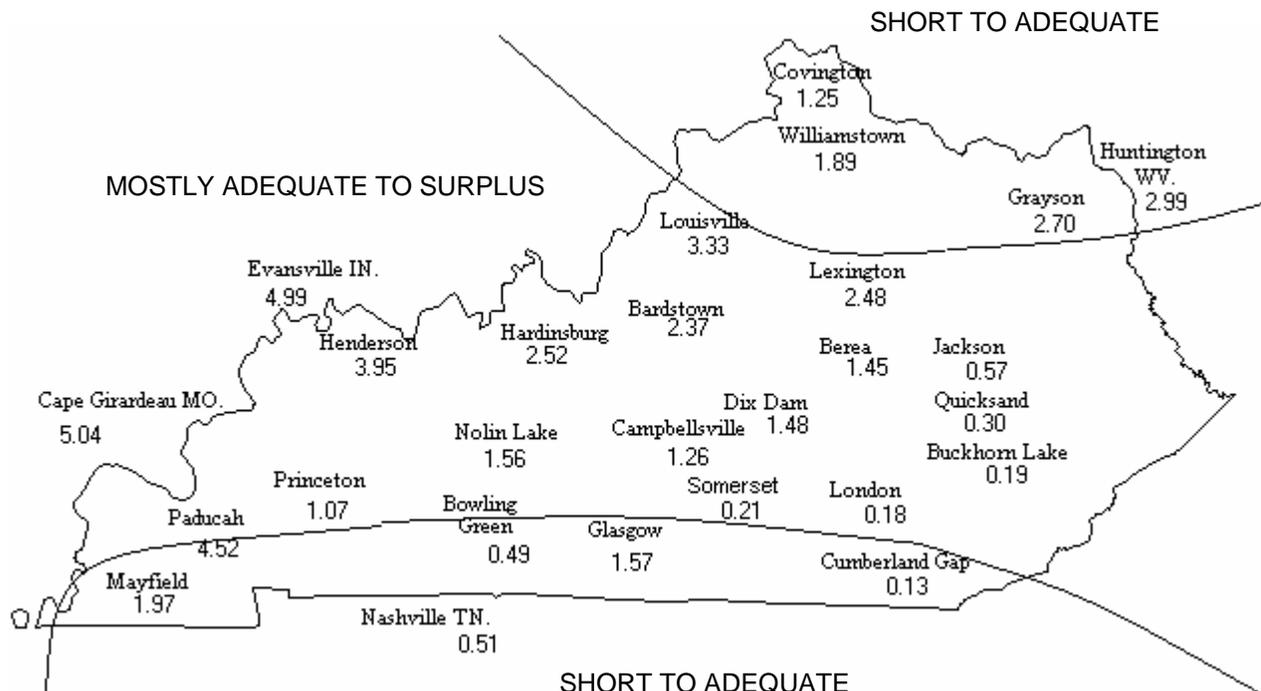
WEEK ENDING JULY 14, 2006
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	3	4
Short	19	31
Adequate	63	61
Surplus	15	4
SUBSOIL		
Very Short	4	6
Short	20	25
Adequate	66	67
Surplus	10	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 14, 2006					WEEK ENDING JULY 7, 2006				
	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	0	2	13	47	38	0	5	16	41	38
Soybeans	1	4	23	47	25	1	4	22	46	27
Pasture	1	4	29	56	10	1	6	32	51	10
Tobacco	1	3	21	55	20	1	4	24	53	18
Hay Crops	1	5	30	53	11	2	8	37	43	10

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 16, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 14, 2006



KENTUCKY WEATHER SUMMARY, JULY 10 – 16, 2006:

Above Normal Temperatures and Above Normal Rainfall:

After 6 weeks of near or below normal rainfall, above normal rainfall fell across the commonwealth this past week. The work week started off cool and wet as a stationary front remained to our north. Beneficial rainfall fell each day during the work week with high temperatures in the 80s to mid 90s. By the weekend, high pressure moved into the Ohio Valley and above normal temperatures were felt along with dry conditions.

Temperatures for the period averaged 79 degrees across the State which was 3 degrees above normal and 6 degrees above the previous week's average. High temperatures averaged from 88 in the West to 87 in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to 1 degree above normal in the East. Low temperatures averaged from 71 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 5 degrees above normal in the East. Extreme temperatures ranged from a maximum in the mid 90s to a minimum in the mid 60s.

Precipitation (liq. equ.) for the period totaled 2.10 inches statewide which was 1.04 inches above normal. Locally heavy rain occurred in the West, Central, and Bluegrass areas of 3 to 4 inches. Precipitation totals by climate division, West 3.59 inches, Central 1.97 inches, Bluegrass 1.91 inches and East 0.91 inches, which was +2.66, +0.87, +0.85 and -0.22 inches respectively from normal. By station, precipitation totals ranged from a low of 0.13 inches at Cumberland Gap to a high of 5.04 inches at Cape Girardeau.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 16, 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	2.37	12.40	4.47	-2.19	+0.43	90	62	78.3	+2	189	1785	-24
Berea	1.45	12.96	2.09	-2.34	-1.77	91	66	78.4	+3	192	1844	-12
Bowling Green	0.49	13.03	2.78	-2.85	-1.33	93	64	81.4	+5	200	1997	+111
Bristol	0.30	13.70	2.72	+0.73	-0.93	91	60	77.0	+2	178	1718	+16
Buckhorn Lake	0.19	13.85	3.89	-0.66	-0.27	92	65	78.8	+3	193	1831	+205
Cape Girardeau	5.04	17.55	6.65	+2.63	+3.43	93	69	79.6	+2	193	2051	+72
Campbellsville	1.26	10.98	3.03	-5.88	-1.41	91	63	78.7	+3	190	1767	-59
Covington	1.25	13.96	3.07	-0.10	-0.65	94	64	78.7	+3	187	1686	+28
Cumberland Gap	0.13	12.14	0.68	-3.73	-3.74	92	65	78.9	+3	193	1797	+125
Dix Dam	1.48	13.08	3.53	-2.11	-0.50	91	64	78.4	+3	191	1724	-85
Evansville	4.99	18.47	6.61	+4.12	+3.13	95	65	79.8	+2	192	1960	+88
Glasgow	1.57	15.63	3.70	-1.32	-0.88	94	63	80.4	+4	192	1989	+193
Grayson	2.70	17.30	7.07	+3.06	+3.03	92	64	78.4	+3	190	1728	+163
Hardinsburg	2.52	15.19	4.11	-0.24	+0.13	93	65	79.3	+3	193	1823	-63
Henderson	3.95	16.16	5.91	+1.45	+2.28	93	67	79.2	+1	192	1830	-72
Huntington	2.99	16.65	7.15	+2.55	+3.13	92	64	78.4	+3	189	1812	+124
Jackson	0.57	14.72	5.51	-0.39	+1.27	90	66	78.3	+3	191	1857	+231
Lexington	2.48	15.46	5.67	+0.87	+1.63	92	65	78.1	+3	189	1739	+51
London	0.18	12.79	1.97	-1.47	-1.93	90	64	78.6	+3	189	1777	+105
Louisville	3.33	19.81	7.04	+5.17	+3.33	92	65	78.7	+3	189	1781	-91
Mayfield	1.97	13.10	2.89	-2.65	-0.78	92	65	78.9	+1	193	1797	-150
Nashville	0.51	13.16	2.91	-1.71	-0.57	95	68	82.4	+6	204	2167	+158
Nolin Lake	1.56	16.06	4.57	-0.48	+0.40	93	64	80.4	+4	198	1825	+92
Paducah	4.52	18.14	5.00	+1.98	+1.22	94	70	80.2	+2	199	2116	+153
Princeton	1.07	13.03	1.96	-2.79	-1.79	93	64	79.4	+1	191	2033	+101
Quicksand	0.30	12.65	5.23	-2.46	+0.99	92	65	78.7	+3	193	1793	+167
Somerset	0.21	13.62	2.58	-2.56	-1.64	90	64	77.4	+2	185	1733	-30
Spindletop	2.90	12.47	4.75	-2.12	+0.71	91	66	77.7	+2	188	1693	+5
Williamstown	1.89	16.79	5.73	+2.12	+1.88	93	64	78.4	+3	188	1660	-28

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.wagwx.ca.uky.edu/>

LIVESTOCK WEATHER SAFETY INDEX CHART

Dry Bulb Temp(F)	Relative Humidity Intervals (Percent)									
	10	20	30	40	50	60	70	80	90	100
78			70	71	72	74	75	75	77	78
80		70	72	73	74	75	77	78	79	80
82	70	71	73	74	75	76	78	79	81	82
84	71	72	74	75	77	78	80	81	83	84
86	72	74	75	77	78	80	81	83	84	86
88	73	75	76	78	80	81	83	85	87	88
90	74	76	78	79	81	83	85	87	88	90
92	75	77	79	81	83	84	86	88	90	
94	76	78	80	82	84	86	88	90		
96	77	79	81	84	86	88	90			
98	78	80	82	85	87	89				
100	79	82	84	86	88	91				

EMERGENCY STRESS - Index of 84 or Greater

DANGER STRESS - Index of 79 to 83

NO STRESS - Index of 78 or Less

DANGER - EXPECT 25% or more increase in transit loss!

EMERGENCY - EXPECT 45% or more increase in transit loss!

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.
