



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

Issued 4:00 P.M., June 10, 2002

RPT 12-02

AGRICULTURAL NEWS: Warm and humid conditions early in the week spurred crop growth and allowed fieldwork to progress at a rapid pace. Scattered showers at midweek slowed fieldwork, but most operators were able to resume field activities during the weekend. Producers finished planting corn, set tobacco, and put up hay whenever possible. Days suitable for fieldwork averaged 4.5 out of a possible seven. Some flood and storm damaged fields will be replanted. Grain sorghum and soybeans will be planted in river and creek beds which have been too wet to plant corn. **Topsoil moisture** as of Friday, June 7 was rated 1 percent very short, 13 percent short, 67 percent adequate and 19 percent surplus. **Subsoil moisture** was rated 2 percent very short, 9 percent short, 67 percent adequate and 22 percent surplus. No major problems with disease or insects had been reported.

CORN: Corn planting advanced to 99 percent complete by Sunday, June 9. Some corn for silage remains to be planted. About 94 percent of the planted acreage had emerged, compared with 99 percent a year ago, and the average of 92 percent. Condition of the emerged corn was reported as 1 percent very poor, 5 percent poor, 22 percent fair, 52 percent good and 20 percent excellent.

SOYBEANS: Soybean planting made good progress during the week. As of Sunday, June 9, about 59 percent of the crop had been seeded compared with 79 percent a year ago, and the average of 62 percent. Nearly 43 percent of planted acreage had emerged, well behind last years 75 percent but similar to the 5 year average of 45 percent.

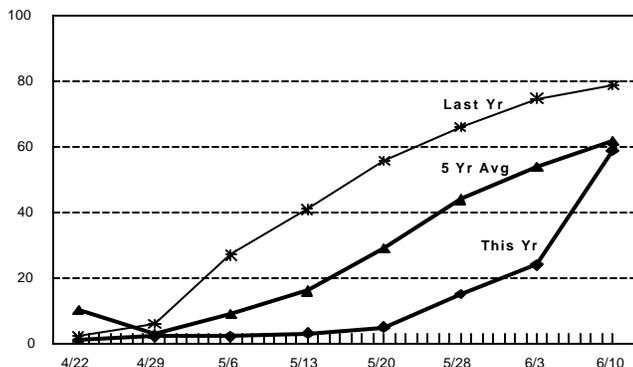
Condition of emerged soybeans was rated 1 percent poor, 20 percent fair, 62 percent good, and 17 percent excellent. The average height of emerged soybeans was only 3 inches at the end of the week.

TOBACCO: As of Sunday, June 9, 76 percent of the intended **burley** acreage had been set compared with 77 percent a year ago and the average of 72 percent. **Dark tobacco** acreage was 68 percent set, compared with 79 percent last year and the average of 76 percent. About 90 percent of set tobacco was under 12 inches high, with 10 percent over 12 inches tall. Disease and pest problems seem to be minor except in a few areas. Condition of set tobacco was reported as 1 percent very poor, 6 percent poor, 28 percent fair, 55 percent good, and 10 percent excellent.

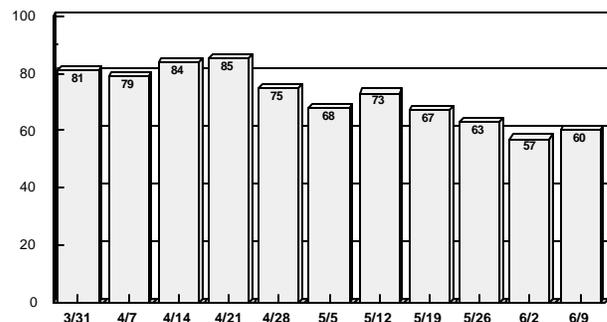
SMALL GRAINS: **Barley** harvest was 53 percent complete by Sunday, June 9, compared with 37 percent last year and the average of 42 percent. **Wheat** harvest was just underway in southern Kentucky. Water damage, head scab, and lodging may affect the yield and quality of the crop in some areas. As of Friday, June 7, wheat condition was reported as 1 percent very poor, 10 percent poor, 29 percent fair, 45 percent good and 15 percent excellent.

OTHER CROPS: Producers put up **hay** between showers during the week, but curing conditions were less than ideal in most areas of Kentucky. Concerns with quality continue as some hay was too mature by the time harvest was possible. **Pastures** remain in good to excellent condition and were rated 2 percent poor, 19 percent fair, 55 percent good and 24 percent excellent. About 36 percent of **grain sorghum** acres had been planted by the end of the week.

SOYBEAN PLANTING PROGRESS



WHEAT CONDITION
% Good to Excellent



KENTUCKY CROP PROGRESS
WEEK ENDING JUNE 9, 2002
WITH COMPARISONS

SOIL MOISTURE
WEEK ENDING JUNE 7, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	99	100	97	78	92
Emerged	94	99	92	64	75
Soybeans					
Planted	59	79	62	24	70
Emerged	43	75	45	14	39
Sorghum Planted	36	80	58	18	58
Burley Tobacco Set	76	77	72	56	NA
Dark Tobacco Set	68	79	76	43	NA

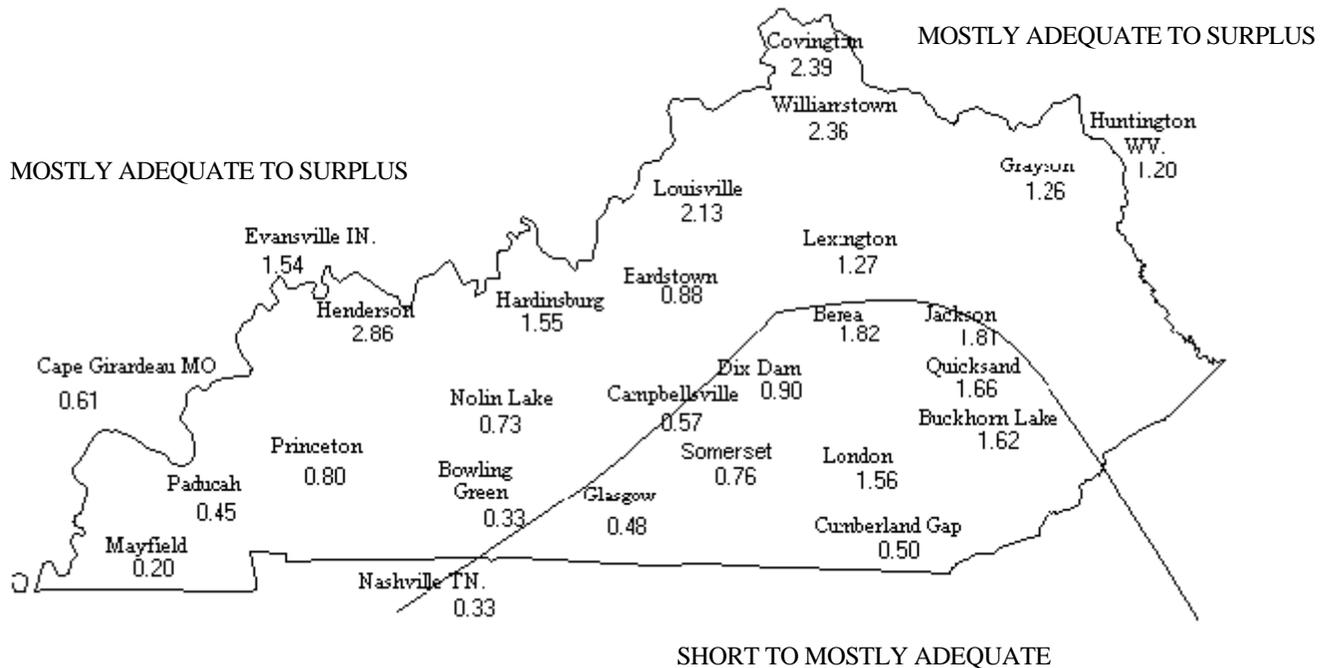
	This Week	Previous Week
TOPSOIL		
Very Short	1	0
Short	13	4
Adequate	67	69
Surplus	19	27
SUBSOIL		
Very Short	2	0
Short	9	4
Adequate	67	72
Surplus	22	24

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JUNE 7, 2002					WEEK ENDING MAY 31, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	5	22	52	20	2	10	26	48	14
Soybeans	0	1	20	62	17	0	2	30	64	4
Wheat	1	10	29	45	15	2	12	29	42	15
Pasture	0	2	19	55	24	1	2	14	58	25
Tobacco Set	1	6	28	55	10	2	10	28	52	8

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 9, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 7, 2002



KENTUCKY WEATHER SUMMARY, JUNE 3 - 9, 2002:
ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

The week began with unseasonably warm temperatures and humid conditions, but significant rainfall at mid-week interrupted field work, and was followed by a brief period of below normal temperatures. Highs in the mid-to-upper 80s returned late in the week.

Temperatures for the period averaged 75 degrees across the State which was 3 degrees above normal and 1 degree warmer than the previous week. High temperatures averaged from 86 in the West to 84 in the East. Departure from normal high temperatures ranged near normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 66 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 4 degrees above normal in the East. Extreme highs and lows of 95 and 54 degrees occurred at Paducah.

Rainfall for the period totaled 1.28 inches statewide which was 0.38 inches above normal. Rainfall totals by climate division, West 1.08 inches, Central 1.02 inches, Bluegrass 1.72 inches and East 1.30 inches, which was 0.22, 0.10, 0.84 and 0.38 inches respectively above normal. By station, rainfall totals ranged from a low of 0.20 inches at Mayfield to a high of 2.86 inches at Henderson.

Tom Priddy

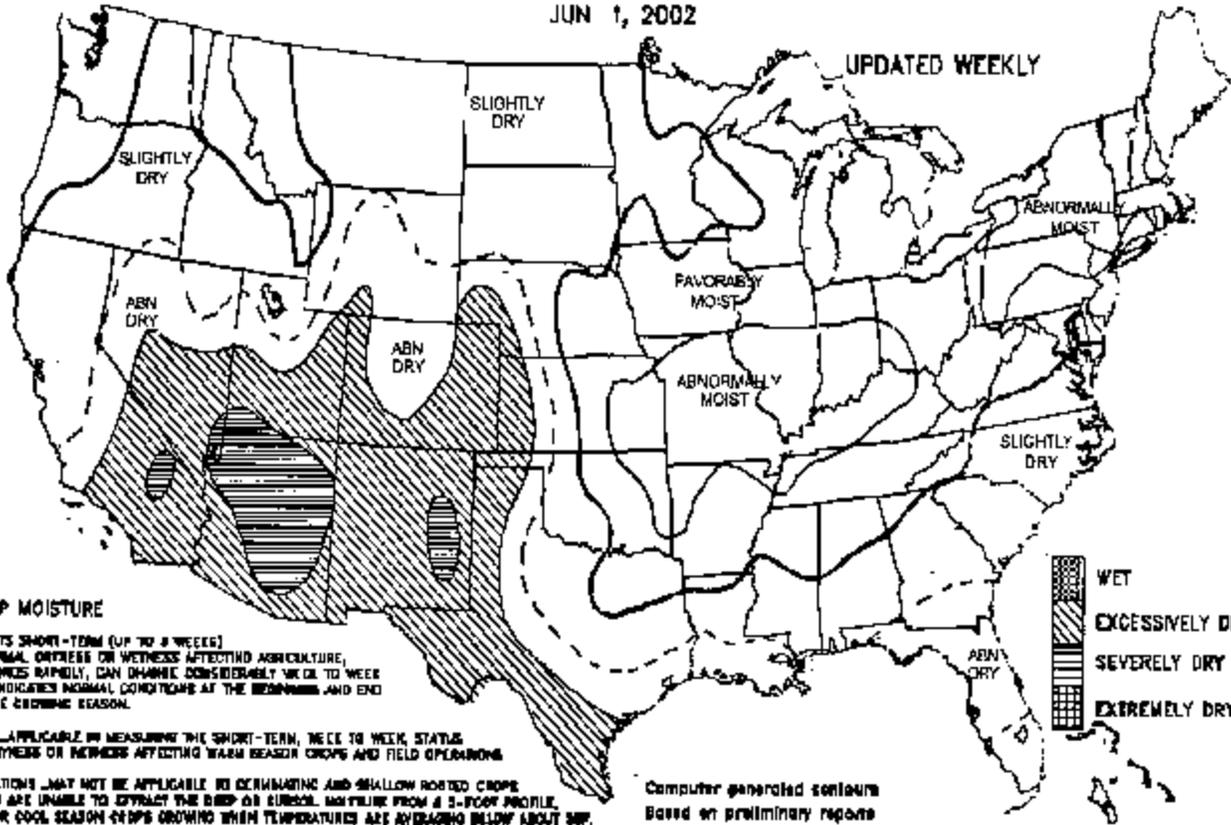
KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, JUNE 9, 7:00 P.M.

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	0.88	15.25	3.97	+5.80	+0.13	94	55	74.9	+3	164	1038	+75
Berea	1.82	15.78	6.00	+5.52	+1.87	94	56	75.4	+5	168	1084	+90
Bowling Green	0.33	13.19	4.55	+2.68	+0.27	94	59	75.5	+4	167	1067	+64
Bristol	0.35	3.86	1.18	-4.40	-2.27	93	53	74.6	+4	161	1024	+131
Buckhorn Lake	1.62	9.77	3.89	+0.66	+0.13	94	59	74.5	+4	163	991	+116
Cape Girardeau	0.61	19.88	8.48	+9.22	+4.26	95	56	76.6	+3	173	1104	+61
Campbellsville	0.57	11.90	4.54	+0.72	+0.11	94	58	76.5	+5	174	1110	+125
Covington	2.39	16.45	6.92	+7.27	+3.14	88	55	71.8	+1	148	854	+0
Cumberland Gap	0.50	6.11	1.93	-4.06	-2.30	94	59	75.3	+4	166	1045	+161
Dix Dam	0.90	14.03	4.68	+3.97	+0.67	94	56	74.8	+4	164	1023	+60
Evansville	1.54	16.97	4.93	+7.15	+0.97	92	56	74.8	+1	167	1031	+58
Glasgow	0.48	10.31	4.99	-0.68	+0.51	94	59	77.3	+6	174	1190	+256
Grayson	1.26	11.21	4.18	+2.17	+0.42	94	57	74.4	+4	160	963	+149
Hardinsburg	1.55	14.89	4.69	+4.57	+0.57	94	56	74.4	+3	160	1027	+24
Henderson	2.86	19.99	7.55	+10.04	+3.62	91	56	74.6	+1	165	1083	+80
Huntington	1.20	11.27	4.16	+2.30	+0.44	91	57	73.1	+2	156	966	+82
Jackson	1.81	11.51	4.94	+1.78	+1.05	90	58	73.5	+3	160	1001	+126
Lexington	1.27	10.49	3.48	+1.04	-0.36	93	56	74.1	+3	159	946	+83
London	1.56	9.22	3.64	-0.05	-0.06	92	59	73.5	+3	157	974	+90
Louisville	2.13	15.60	6.87	+5.71	+3.00	91	54	73.2	+1	155	1004	+31
Mayfield	0.20	12.24	5.34	+1.17	+1.26	94	58	75.0	+1	165	1037	-27
Nashville	0.33	8.58	3.17	-1.74	-0.89	94	60	76.6	+5	176	1161	+88
Nolin Lake	0.73	13.51	4.81	+2.32	+0.28	94	58	75.0	+3	163	1040	+95
Paducah	0.45	16.53	7.16	+5.37	+2.92	95	54	77.3	+4	176	1126	+83
Princeton	0.80	15.56	7.78	+4.65	+3.58	94	63	77.9	+4	182	1209	+176
Quicksand	1.66	10.62	4.23	+0.89	+0.34	94	58	74.3	+3	161	991	+116
Somerset	0.76	10.23	3.57	-0.46	-0.81	94	59	74.7	+4	166	1003	+49
Spindletop	1.55	10.12	3.33	+0.67	-0.51	93	54	73.4	+3	157	921	+58
Williamstown	2.36	12.77	5.48	+3.08	+1.65	90	57	74.1	+3	164	1003	+140

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/>

Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUN 1, 2002

UPDATED WEEKLY



CROP MOISTURE

DEFICITS SHORT-TERM (UP TO 8 WEEKS)
 ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE,
 RESPONSES RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK
 AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END
 OF THE GROWING SEASON.

USES APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK STATUS
 OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

LIMITATIONS MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS
 WHICH ARE UNABLE TO EXTRACT THE DEEP OR SURFACE MOISTURE FROM A 5-FOOT PROFILE,
 OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 50°F.
 IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET
 SPELLS WHICH ARE DENOTED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours
 Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

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