



KENTUCKY WEEKLY CROP & WEATHER REPORT



Kentucky Agricultural Statistics Service
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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

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KGC 24-02

AGRICULTURAL NEWS: Brief shower activity did little to lessen drought conditions in some parts of the State. Days suitable for fieldwork averaged 5.7 out of a possible seven days. Main activities on the farm changed little from last week. Most farmers continued to harvest corn and cut fall hay as well as cut, house, spray, and top tobacco. Some farms have also been preparing fields for seeding alfalfa and winter wheat. **Topsoil moisture** was rated 36 percent very short, 35 percent short, 28 percent adequate, and 1 percent surplus as of Friday, August 30. **Subsoil moisture** was rated 41 percent very short, 36 percent short, and 23 percent adequate.

TOBACCO: For the most part, the tobacco looks fair to good. Farmers were harvesting their crop quickly as possible due to the lack of rain. Hot weather contributed to 7 percent of the housed crop developing some houseburn. The main activities for the week were spraying, topping, cutting, and housing tobacco. Set tobacco condition was 7 percent very poor, 18 percent poor, 31 percent fair, 33 percent good, and 11 percent excellent. Farmers continued to report black shank problems in many fields. Forty-five percent of the burley crop has been harvested, compared to 61 percent in 2001, and 51 percent for the 5-year average. For **dark tobacco**, 43 percent had been cut, as opposed to 45 percent for 2001. The 5-year average was 52 percent.

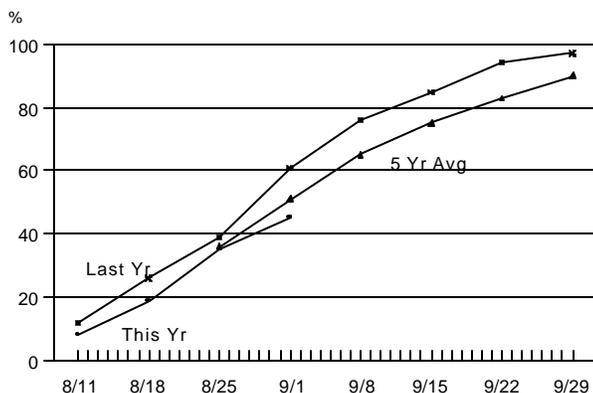
CORN: The expected yields for the corn crop covered a wide range. Some fields reported a poor crop, while others said it was "the best ever." Those fields receiving adequate rain at the right time will see a better crop than those less

fortunate. Corn condition on Friday, August 30 was reported as 7 percent very poor, 16 percent poor, 35 percent fair, 34 percent good, and 8 percent excellent. Percent dented was 91 percent. Last year it was 94 percent, and the 5-year average was 89 percent. Maturing corn reached 61 percent, compared to 71 percent a year ago, and 49 percent for the average. Corn harvesting, at 20 percent, has exceeded last year's pace at 10 percent. The 5-year average was 9 percent

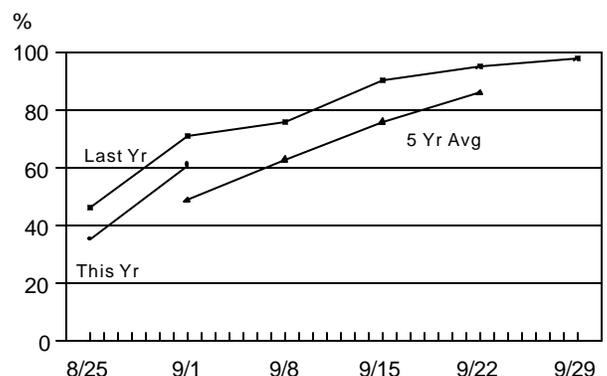
SOYBEANS: The condition of the soybean crop was 4 percent very poor, 15 percent poor, 34 percent fair, 36 percent good, and 11 percent excellent. At this point, the soybeans need additional moisture. No major disease or insect problems were reported for the week. As of Sunday, September 1, 86 percent of the soybean crop had set pods, with 94 percent in 2001 and 86 percent for the 5-year average. Seventeen percent of soybean plants turned yellow this week, compared to 24 percent a year ago, and an average of 19 percent. Four percent of the crop was shedding leaves, with 9 percent last year, and 8 percent for the 5-year average.

OTHER CROPS: Some farmers have cut their fall **hay** this week. Condition of the hay was reported at 18 percent very poor, 25 percent poor, 28 percent fair, 26 percent good, and 3 percent excellent. In some fields, **pastures** have dried up completely. Other fields improved a little with the rain. Pasture condition was reported as 19 percent very poor, 28 percent poor, 26 percent fair, 25 percent good, and 2 percent excellent. Some pastures were clipped and mowed last week.

BURLEY TOBACCO PERCENT CUT PROGRESS



CORN MATURE OR BEYOND PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING SEPTEMBER 1, 2002
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Setting Pods	86	94	86	83	93
Turning Yellow	17	24	19	13	NA
Shedding Leaves	4	9	8	1	NA
Corn					
Dent Stage	91	94	89	85	44
Mature	61	71	49	35	9
Harvested	20	10	9	8	NA
Burley Tobacco Cut	45	61	51	35	NA
Dark Tobacco Cut	43	45	52	24	NA

SOIL MOISTURE
WEEK ENDING AUGUST 30, 2002
WITH COMPARISONS

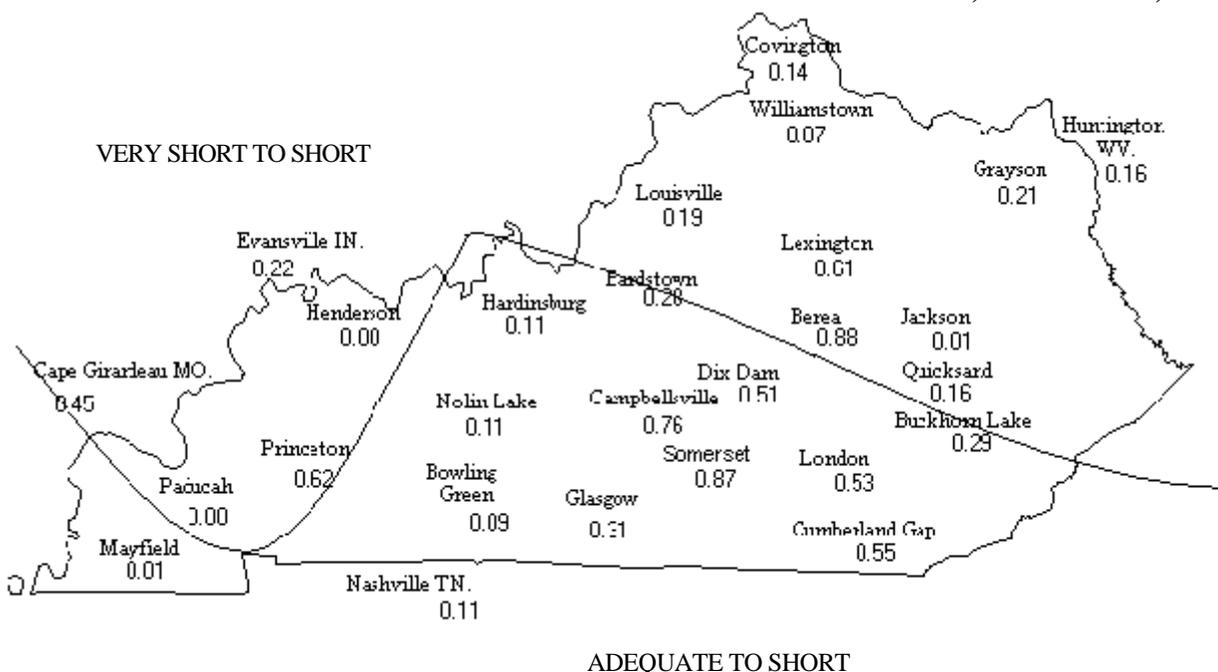
	This Week	Previous Week
TOPSOIL		
Very Short	36	38
Short	35	32
Adequate	28	29
Surplus	1	1
SUBSOIL		
Very Short	41	36
Short	36	41
Adequate	23	22
Surplus	0	1

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 30, 2002					WEEK ENDING AUGUST 23, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	7	16	35	34	8	9	22	32	30	7
Soybeans	4	15	34	36	11	6	15	35	35	9
Pasture	19	28	26	25	2	22	31	27	18	2
Hay Crops	18	25	28	26	3	22	21	33	21	3
Tobacco in Field	7	18	31	33	11	7	17	29	34	13

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 1, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 30, 2002



KENTUCKY WEATHER SUMMARY, AUGUST 26 - SEPTEMBER 1, 2002:

ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Limited rainfall and very warm temperatures continued to plague the Commonwealth last week. Since the middle of May, 10 of the past 15 weeks have received below normal rainfall for the State as a whole. The first half of the workweek received near normal temperatures but the latter half received temperatures in the upper 80's to low 90's and very muggy conditions.

Temperatures for the period averaged 75 degrees across the State which was 3 degrees above normal and 4 degrees cooler than the previous week. High temperatures averaged from 88 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 1 degree above normal in the East. Low temperatures averaged from 64 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 4 degrees above normal in the East. Extreme high temperatures were in the low 90's and extreme low temperatures were near 60.

Rainfall for the period totaled 0.29 inches statewide which was 0.55 inches below normal. Rainfall totals by climate division, West 0.22 inches, Central 0.18 inches, Bluegrass 0.42 inches and East 0.35 inches, which was 0.58, 0.67, 0.43 and 0.51 inches respectively below normal. By Kentucky weather station, rainfall totals ranged from a low of 0.00 inches at Henderson to a high of 0.87 inches at Somerset.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, SEPTEMBER 1, 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	0.28	24.34	2.10	+3.29	-1.43	88	63	74.6	+3	168	3199	+299
Berea	0.88	28.17	2.39	+6.61	-1.22	88	63	74.8	+4	169	3252	+258
Bowling Green	0.09	22.73	5.10	+0.93	+1.92	89	64	76.1	+4	178	3302	+278
Bristol	1.14	13.29	3.20	-5.05	+0.33	85	59	72.5	+1	156	3045	+267
Buckhorn Lake	0.29	18.88	1.71	-1.74	-1.59	89	59	73.9	+3	162	3061	+437
Cape Girardeau	0.45	28.63	6.63	+8.39	+3.47	90	61	74.9	+1	169	3356	+178
Campbellsville	0.76	24.35	3.17	+0.17	-0.96	90	63	74.9	+3	168	3284	+320
Covington	0.14	20.41	1.51	+0.85	-1.50	88	64	75.6	+5	177	2966	+218
Cumberland Gap	0.55	14.76	2.81	-8.09	-1.06	88	62	74.4	+3	167	3152	+404
Dix Dam	0.51	23.01	2.29	+1.41	-1.22	89	63	75.2	+4	172	3191	+259
Evansville	0.22	20.75	0.84	+1.24	-1.97	93	63	76.9	+3	175	3285	+260
Glasgow	0.31	23.51	3.45	-0.17	-0.19	91	63	76.2	+4	177	3414	+480
Grayson	0.21	18.34	1.16	-2.09	-2.20	88	62	74.5	+3	168	3074	+480
Hardinsburg	0.11	20.20	2.32	-1.44	-1.09	88	64	75.0	+3	171	3242	+217
Henderson	0.00	26.46	3.12	+6.48	+0.24	92	61	75.9	+2	172	3309	+254
Huntington	0.16	17.87	0.80	-2.65	-2.72	89	62	74.4	+3	166	3055	+277
Jackson	0.01	21.42	1.72	-0.36	-1.89	85	62	72.9	+2	159	3080	+456
Lexington	0.61	16.71	2.53	-4.34	-1.00	89	64	75.3	+4	173	3117	+338
London	0.53	16.97	1.80	-3.02	-1.20	86	63	73.3	+2	161	3048	+301
Louisville	0.19	18.87	0.96	-1.60	-2.23	90	64	75.1	+3	170	3205	+149
Mayfield	0.01	14.17	1.66	-7.71	-1.81	92	63	75.0	+1	169	3206	+120
Nashville	0.11	17.26	2.96	-3.10	-0.17	89	66	77.2	+5	185	3458	+217
Nolin Lake	0.11	21.37	4.07	-1.50	+0.66	89	65	76.0	+4	177	3254	+445
Paducah	0.00	20.78	1.72	-0.87	-1.31	93	62	77.2	+3	173	3400	+253
Princeton	0.62	20.83	2.06	-1.19	-1.54	90	56	75.4	+2	167	3454	+337
Quicksand	0.16	20.54	1.83	-1.24	-1.78	88	57	72.9	+2	158	3060	+436
Somerset	0.87	21.83	2.27	-0.77	-1.28	88	62	73.5	+2	163	3100	+261
Spindletop	0.31	13.16	1.01	-7.89	-2.52	89	62	74.4	+3	167	3028	+249
Williamstown	0.07	16.40	0.37	-4.30	-2.99	90	61	74.9	+4	168	3145	+366

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr1 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 PROGRESS PERCENT FOR WEEK ENDING AUGUST 25, 2002

CORN DENTED

State	Curr	Last Wk	2001	Avg
CO	17	3	19	19
IL	47	30	70	55
IN	27	16	68	51
IA	46	25	37	39
KS	67	49	78	65
KY	85	60	86	73
MI	7	0	12	17
MN	27	10	16	30
MO	73	60	72	75
NE	59	41	56	45
NC	91	80	89	79
ND	22	8	40	42
OH	19	8	34	32
PA	35	22	33	26
SD	39	22	39	33
TN	96	89	96	84
TX	92	85	92	85
WI	22	7	0	15
18 States	44	28	48	44

These 18 States planted 93% of last year's corn acreage.

SOYBEAN SETTING PODS

State	Curr	Last Wk	2001	Avg
AR	88	80	92	79
IL	93	82	96	94
IN	85	69	99	95
IA	99	97	95	99
KS	90	78	91	91
KY	83	58	89	73
LA	97	94	100	97
MI	97	94	87	93
MN	99	96	97	98
MS	99	97	100	96
MO	84	67	77	83
NE	99	93	97	97
NC	60	48	63	58
ND	100	100	100	100
OH	89	75	97	97
SD	99	91	95	94
TN	93	84	91	76
WI	93	86	71	86
18 States	93	85	93	93

These 18 States planted 95% of last year's soybean acreage.

CROP CONDITION FOR WEEK ENDING AUGUST 25, 2002

CORN

State	VP	P	F	G	EX
CO	25	25	28	19	3
IL	11	14	35	35	5
IN	16	22	33	27	2
IA	3	8	25	44	20
KS	24	29	32	14	1
KY	9	22	32	30	7
MI	5	13	33	42	7
MN	2	6	25	47	20
MO	25	27	28	18	2
NE	25	15	29	25	6
NC	19	23	34	22	2
ND	4	11	28	50	7
OH	26	32	29	12	1
PA	33	35	20	12	0
SD	21	17	24	32	6
TN	9	13	33	39	6
TX	9	24	26	34	7
WI	5	9	25	43	18
18 States	13	16	29	33	9
Prev Week	13	17	30	32	8
Prev Year	4	11	30	43	12

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

SOYBEANS

State	VP	P	F	G	EX
AR	2	9	27	47	15
IL	7	12	32	41	8
IN	11	18	33	35	3
IA	3	7	26	46	18
KS	10	26	35	25	4
KY	6	15	35	35	9
LA	3	9	30	47	11
MI	2	11	34	43	10
MN	2	5	26	49	18
MS	0	3	17	52	28
MO	18	25	34	20	3
NE	23	28	29	17	3
NC	9	20	38	32	1
ND	5	14	29	47	5
OH	20	30	34	15	1
SD	10	17	25	44	4
TN	8	13	29	44	6
WI	2	6	24	51	17
18 States	9	15	30	37	9
Prev Week	9	16	31	35	9
Prev Year	4	12	32	42	10

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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