

AGRICULTURAL NEWS: Rain is desperately needed across all areas of Kentucky as the continuing drought is depressing crop conditions. Scattered showers were received in some eastern areas of the state, but was not enough to relieve crop stress. **Topsoil moisture** as of Friday, August 13 was rated 61 percent very short, 35 percent short and 4 percent adequate. **Subsoil moisture** was rated 59 percent very short, 37 percent short and 4 percent adequate. Days suitable for fieldwork averaged 5.9 out of a possible six days.

CORN: Corn stress increased due to drought conditions. As of Friday, August 13 the crop was rated 7 percent very poor, 17 percent poor, 38 percent fair, 34 percent good and 4 percent excellent. As of Sunday, August 15 about 85 percent of the crop had reached the dough stage or beyond, compared to 58 percent last year and the 5 year average of 67 percent. Later planted corn has been more severely stressed by the hot, dry weather than earlier planted fields. Harvest has begun for some early planted corn and yields were reported as mostly good to fair with some low test weights.

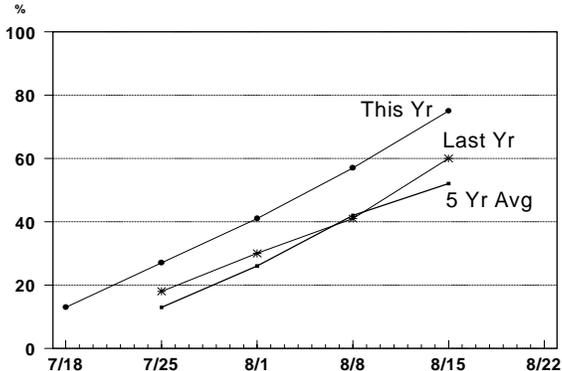
SOYBEANS: The soybean crop was rated 10 percent very poor, 28 percent poor, 41 percent fair, 19 percent good and 2 percent excellent. Soybeans were 86 percent blooming, well ahead of last year's 73 percent and 70 percent on average. Generally, early planted soybeans are reported to be in mostly good condition. Late planted soybeans are under greater stress and most fields have stunted growth. Most soybeans are at the critical pod fill stage and need significant rainfall in the next couple of weeks for pod fill. Without rain soon many second crop

soybeans will produce little to no beans. As of August 15, 63 percent of the State's acreage was reported as setting pods, compared to 45 percent a year ago and 41 percent on average.

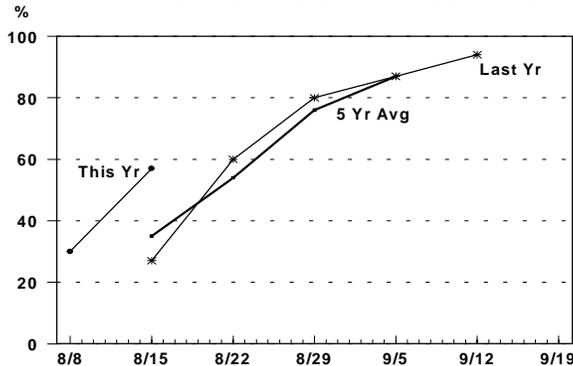
TOBACCO: Producers were busy spraying for worms and suckers, finishing topping and harvesting tobacco last week. The percent of **burley** topped had reached 75 percent, compared to 60 percent a year ago and 52 percent on average. Of the **dark tobacco**, 93 percent had been topped on August 15. Approximately 22 percent of the burley crop had been cut, compared to 12 percent last year and 10 percent on average. Dark tobacco cut was 23 percent, compared to 10 percent last year and 15 percent for the five-year average. Black shank continued to be reported statewide. Severity of the disease is highly variable. Aphids were reported, but were not considered a serious concern last week. Condition of the crop declined from the previous week and as of August 13 was rated 14 percent very poor, 26 percent poor, 36 percent fair, 20 percent good and 4 percent excellent. Drought conditions have produced short plants on all but early planted or irrigated fields.

OTHER CROPS: Pasture conditions further deteriorates due to lack of rain. Pastures as of August 13 were rated 38 percent very poor, 33 percent poor, 22 percent fair, 6 percent good and 1 percent excellent. Hay supplies are being utilized earlier than normal to supplement the inadequate pastures. The **hay** crop was rated 30 percent very poor, 34 percent poor, 26 percent fair, 9 percent good and 1 percent excellent. Unless significant rainfall is received soon, many producers feel that the fall hay harvest will be minimal.

BURLEY TOBACCO PERCENT TOPPED



CORN PERCENT DENT OR BEYOND



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 15, 1999
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming	86	73	70	77	91
Setting Pods	63	45	41	55	65
Corn					
Milk Stage	97	88	82	86	NA
Dough Stage	85	58	67	68	41
Dent Stage	57	27	35	30	10
Burley Tobacco					
Topped	75	60	52	57	NA
Cut	22	12	10	NA	NA
Dark Tobacco					
Topped	93	77	77	89	NA
Cut	23	10	15	NA	NA

SOIL MOISTURE
WEEK ENDING AUGUST 13, 1999
WITH COMPARISONS

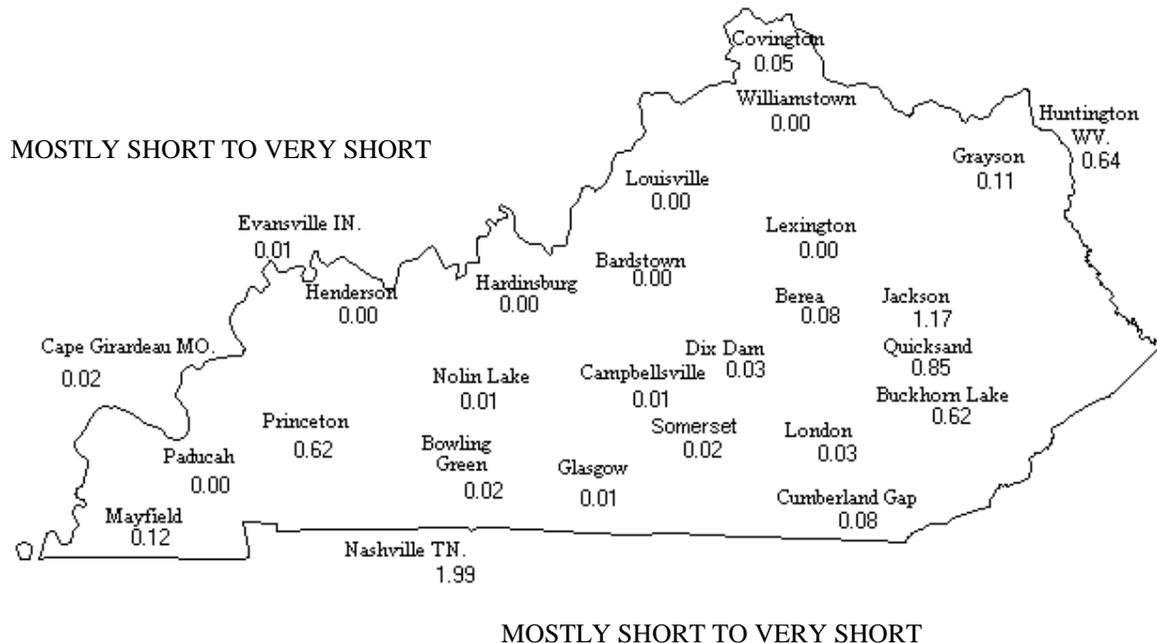
	This Week	Previous Week
TOPSOIL		
Very Short	61	66
Short	35	31
Adequate	4	3
Surplus	0	0
SUBSOIL		
Very Short	59	62
Short	37	34
Adequate	4	4
Surplus	0	0

(NA) Data Not Available

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING AUGUST 13, 1999					WEEK ENDING AUGUST 6, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	7	17	38	34	4	6	17	43	30	4
Soybeans	10	28	41	19	2	8	24	39	26	3
Pasture	38	33	22	6	1	26	34	29	11	0
Hay Crops	30	34	26	9	1	27	32	30	10	1
Tobacco in Field	14	26	36	20	4	13	23	34	25	5

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 15, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 13, 1999



KENTUCKY WEATHER SUMMARY, AUGUST 9 - 15, 1999:

The heat built into the Commonwealth during the workweek with RECORD high temperatures on Thursday/Friday (Aug 12/13)...and dry weather continued. Autumn-like temperatures moved into the state on the weekend with some rainfall in Eastern KY. Last week's Crop Moisture Index indicated Severely dry moisture conditions over most of the Eastern half and Western third of the Commonwealth... with abnormally dry moisture conditions in Central KY.

Temperatures for last week averaged 76 degrees across the state which was 2 degrees ABOVE NORMAL and similar to the previous week. High temperatures averaged from 90 in the West to 87 in the East. Departure from normal high temperatures were 2 degrees ABOVE NORMAL across the state. Low temperatures averaged from 64 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree BELOW NORMAL in the West to NEAR NORMAL in the East. Extreme high temperatures were near 100 and extreme lows were in the mid 50's.

Statewide rainfall for last week totaled 0.15 inches statewide which was 0.69 inches BELOW NORMAL. Rainfall totals by climate division, West 0.13 inches, Central 0.01 inches, Bluegrass 0.03 inches and East 0.44 inches, which was 0.66, 0.84, 0.83 and 0.43 inches respectively BELOW NORMAL. By station, rainfall totals ranged from a low of 0.00 inches at Bardstown (and most stations) to a high of 1.17 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 15, 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	13.26	1.36	-5.65	-2.64	97	58	75.9	+1	166	2705	+191
Berea	0.08	13.09	1.86	-6.28	-1.92	97	57	76.0	+2	165	2686	+95
Bowling Green	0.02	11.28	1.19	-8.59	-2.50	99	58	79.0	+4	180	2910	+289
Bristol	0.00	15.45	4.12	-1.14	+0.77	93	57	75.6	+2	168	2564	+172
Buckhorn Lake	0.62	11.82	1.73	-6.80	-2.07	100	57	74.7	+1	158	2616	+345
Cape Girardeau	0.02	13.27	1.02	-5.05	-2.15	97	51	76.4	-0	166	2787	+28
Campbellsville	0.01	13.65	0.80	-8.02	-3.66	97	60	77.1	+2	172	2784	+223
Covington	0.05	12.19	3.53	-5.54	+0.13	92	58	73.4	-1	157	2538	+175
Cumberland Gap	0.08	12.78	1.87	-7.74	-2.44	95	60	76.4	+2	170	2686	+324
Dix Dam	0.03	12.25	1.40	-7.23	-2.57	97	58	76.5	+3	171	2647	+118
Evansville	0.01	17.07	1.48	-0.73	-1.72	94	53	73.8	-3	154	2701	+79
Glasgow	0.01	12.23	1.05	-9.24	-3.13	99	59	78.5	+4	175	2937	+406
Grayson	0.11	13.24	1.24	-5.16	-2.61	96	55	75.1	+1	159	2678	+453
Hardinsburg	0.00	16.35	1.37	-3.22	-2.46	98	58	78.1	+3	175	2716	+95
Henderson	0.00	17.17	1.62	-1.05	-1.63	94	54	74.6	-2	160	2817	+165
Huntington	0.64	9.01	2.90	-9.39	-1.07	99	55	74.6	+1	154	2670	+277
Jackson	1.17	13.69	3.92	-5.90	-0.22	95	57	74.6	+1	163	2665	+394
Lexington	0.00	11.35	2.00	-7.56	-2.00	98	59	76.3	+2	167	2662	+269
London	0.03	12.31	1.79	-5.85	-1.81	97	60	76.4	+2	170	2666	+304
Louisville	0.00	17.42	1.13	-1.11	-2.47	97	60	76.9	+2	173	2773	+136
Mayfield	0.12	17.24	0.75	-2.53	-2.99	96	59	78.3	+2	177	2825	+143
Nashville	1.99	15.88	2.88	-2.58	-0.46	99	60	79.6	+5	183	3041	+237
Nolin Lake	0.01	14.93	1.86	-5.86	-2.07	100	58	79.1	+4	176	2835	+412
Paducah	0.00	19.67	0.54	-0.14	-2.83	100	53	78.9	+2	180	2871	+143
Princeton	0.62	19.22	0.94	-0.62	-2.80	100	56	79.8	+3	180	2976	+279
Quicksand	0.85	14.76	4.69	-4.83	+0.55	95	56	73.4	-1	153	2603	+332
Somerset	0.02	18.33	1.53	-2.12	-2.42	97	59	77.1	+3	171	2662	+209
Spindletop	0.00	8.82	1.40	-10.09	-2.60	96	60	75.9	+2	168	2635	+242
Williamstown	0.00	9.62	2.16	-9.04	-1.54	96	57	75.9	+2	168	2704	+311

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 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/>

CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 8, 1999

SOYBEANS SETTING PODS

State	Curr	Last Wk	1998	Avg
AL	35	20	54	40
AR	45	26	39	36
GA	52	36	57	48
IL	73	56	63	50
IN	77	53	51	46
IA	81	64	85	73
KS	37	26	69	51
KY	55	40	30	29
LA	88	70	86	73
MI	74	56	69	48
MN	59	31	86	68
MS	93	85	82	67
MO	35	21	50	38
NE	51	30	65	56
NC	28	15	29	26
OH	91	59	62	51
SC	20	14	18	25
SD	55	35	68	56
TN	50	40	40	33
19 States	65	46	65	54

These 19 States planted 93% of last year's soybean acreage.

CORN SILKING

State	Curr	Last Wk	1998	Avg
CO	83	67	91	77
GA	100	100	100	100
IL	99	97	95	93
IN	100	98	91	87
IA	98	92	98	94
KS	99	93	100	95
KY	98	97	95	88
MI	100	94	91	77
MN	99	96	99	96
MO	96	90	99	90
NE	98	93	98	92
NC	96	92	98	99
OH	100	95	93	85
PA	86	75	85	77
SD	86	59	87	77
TX	96	93	99	98
WI	94	91	93	82
17 States	97	91	95	90

These 17 States planted 90% of last year's corn acreage.

CORN DOUGH

State	Curr	Last Wk	1998	Avg
CO	8	2	22	17
GA	100	98	98	98
IL	64	44	45	35
IN	56	33	35	29
IA	21	6	26	15
KS	49	35	64	54
KY	68	58	39	46
MI	22	0	9	3
MN	10	1	16	8
MO	70	51	70	59
NE	35	12	38	31
NC	75	60	75	83
OH	70	30	27	22
PA	37	23	40	22
SD	27	15	37	18
TX	82	77	91	86
WI	31	20	39	19
17 States	41	24	38	28

These 17 States planted 90% of last year's corn acreage.

CROP CONDITION PERCENT FOR WEEK ENDING AUGUST 8, 1999

SOYBEANS

State	VP	P	F	G	EX
AL	6	17	42	29	6
AR	3	12	35	38	12
GA	16	22	36	23	3
IL	4	13	35	40	8
IN	6	15	45	30	4
IA	2	6	21	51	20
KS	1	8	32	51	8
KY	8	24	39	26	3
LA	1	12	30	49	8
MI	2	8	22	52	16
MN	3	7	25	55	10
MS	6	11	30	43	10
MO	11	25	38	24	2
NE	1	7	26	52	14
NC	3	8	30	45	14
OH	6	15	31	40	8
SC	4	18	46	32	0
SD	0	2	17	49	32
TN	11	23	34	29	3
19 States	4	12	30	43	11
Prev Week	3	10	30	45	12
Prev Year	3	8	23	48	18

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

CORN

State	VP	P	F	G	EX
CO	1	2	9	58	30
GA	14	18	30	31	7
IL	4	14	33	40	9
IN	9	20	41	26	4
IA	2	6	23	46	23
KS	1	5	21	62	11
KY	6	17	43	30	4
MI	5	10	17	46	22
MN	2	6	22	55	15
MO	13	20	43	20	4
NE	1	6	23	54	16
NC	3	14	33	44	6
OH	8	18	33	34	7
PA	31	33	23	12	1
SD	0	2	12	53	33
TX	1	1	18	62	18
WI	0	2	12	47	39
17 States	4	10	26	44	16
Prev Week	3	9	25	46	17
Prev Year	4	7	21	48	20

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