

AGRICULTURAL NEWS: Above normal temperatures dominated the weather during the week further depleting soil moisture. Crop conditions fell somewhat as a result but despite the stresses, corn, soybean and tobacco conditions remained mostly good to fair. **Topsoil moisture** as of Friday, July 23 was rated 31 percent very short, 46 percent short, 22 percent adequate and 1 percent surplus. **Subsoil moisture** was rated 35 percent very short, 39 percent short, 25 percent adequate and 1 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible six days.

CORN: Above normal temperatures pushed corn development which was a week to 10 days further along than last year. Corn was 92 percent silked, well ahead of last year's 80 percent. As of July 25, 63 percent had reached the milk stage or beyond, compared with 45 percent last year while 33 percent had reached the dough stage or beyond compared to 21 percent last year. Condition rated 1 percent very poor, 8 percent poor, 22 percent fair, 49 percent good and 20 percent excellent. Good yields are still expected despite potential problems due to lack of moisture and heat stress.

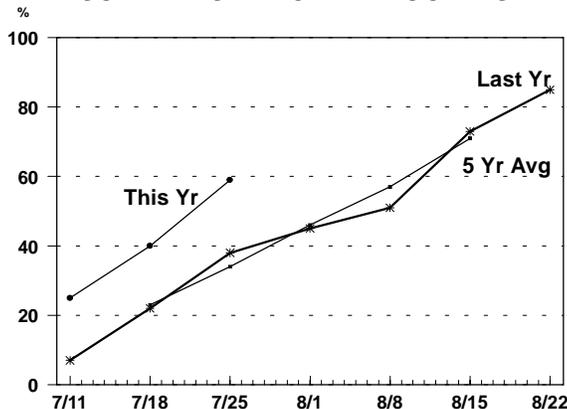
SOYBEANS: The soybean crop continues to look good. Soybeans were 59 percent blooming, ahead of last year's

38 percent. Soybeans setting pods were reported at 33 percent compared to 16 percent last year. The soybean crop was rated 5 percent poor, 26 percent fair, 54 percent good and 15 percent excellent. Japanese beetles continue to be a problem in some western areas of the State.

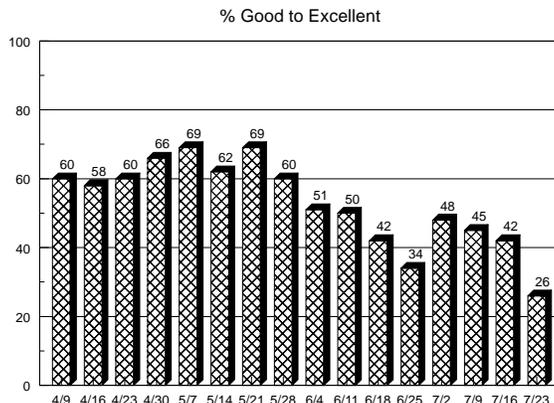
TOBACCO: Topping tobacco and spraying were main activities during the week. Black shank remains the leading problem and some cases of blue mold were also reported. The percent of **burley** tobacco blooming was 53 percent, and 27 percent had been topped as of Sunday, July 25. **Dark tobacco** was 57 percent topped. Condition of all tobacco as of July 23 was rated 5 percent very poor, 13 percent poor, 32 percent fair, 40 percent good and 10 percent excellent.

OTHER CROPS: **Pasture** growth was again impeded by lack of moisture and high temperatures. As of July 23, pastures were rated 10 percent very poor, 20 percent poor, 44 percent fair, 24 percent good and 2 percent excellent. Farmers continue to feed hay to livestock because of the declining pasture conditions. The **hay** crop was mostly fair to good for the majority of the State as mixed hay was being harvested. The crop was rated 8 percent very poor, 16 percent poor, 43 percent fair, 27 percent good and 6 percent excellent.

SOYBEANS PERCENT BLOOMING



PASTURE CONDITION



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 25, 1999
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Soybeans					
Blooming or beyond	59	38	34	40	55
Setting Pods or beyond	33	16	12	10	12
Corn					
Silking or beyond	92	80	71	88	40
Milk Stage	63	45	33	40	NA
Dough Stage	33	21	18	15	6
Burley Tobacco					
Blooming	53	39	34	31	NA
Topped	27	18	13	13	NA
Dark Tobacco					
Topped	57	43	28	NA	NA

SOIL MOISTURE
WEEK ENDING JULY 23, 1999
WITH COMPARISONS

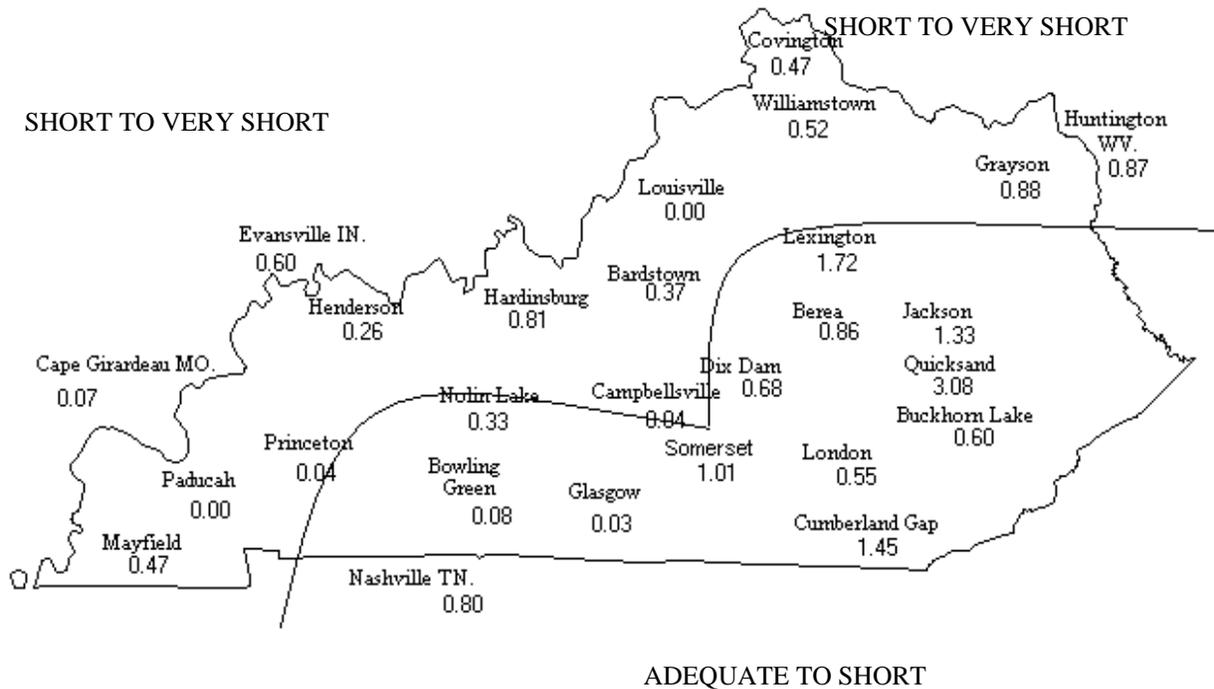
	This Week	Previous Week
TOPSOIL		
Very Short	31	26
Short	46	39
Adequate	22	34
Surplus	1	1
SUBSOIL		
Very Short	35	27
Short	39	32
Adequate	25	40
Surplus	1	1

(NA) Data Not Available

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 23, 1999					WEEK ENDING JULY 16, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	1	8	22	49	20	1	2	16	56	25
Soybeans	0	5	26	54	15	1	4	17	51	27
Pasture	10	20	44	24	2	6	19	33	35	7
Hay Crops	8	16	43	27	6	4	15	34	36	11
Tobacco	5	13	32	40	10	4	11	29	42	14

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 25, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 23, 1999



KENTUCKY WEATHER SUMMARY, JULY 19 - 25, 1999:

ABOVE NORMAL Temperatures and BELOW NORMAL Rainfall:

Eastern sections of the state received most of the rainfall last week which provided interruptions to field activities but much needed moisture for crops. The remainder of the state only received scattered rainfall which allowed moisture conditions to deteriorate further in the West, Central and Bluegrass (climate zones) areas. As the drought in Kentucky continued to progress, temperatures continued to heat up last week with several locations making it to the 100 degree (F) mark, including Bowling Green, Louisville and Glasgow. Williamstown was the hottest with 101 degrees on Sunday (7/25).

Temperatures for this past week averaged 83 degrees across the state which was 6 degrees ABOVE NORMAL and 7 degrees warmer than the previous week. High temperatures averaged from 95 in the West to 92 in the East. Departure from normal high temperatures ranged from 5 degrees ABOVE NORMAL in the West to 6 degrees ABOVE NORMAL in the East. Low temperatures averaged from 73 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 7 degrees ABOVE NORMAL in the West to 5 degrees ABOVE NORMAL in the East. Rainfall for the period totaled 0.63 inches statewide which was 0.43 inches BELOW NORMAL. Rainfall totals by climate division, West 0.24 inches, Central 0.27 inches, Bluegrass 0.79 inches and East 1.22 inches, which was -0.69, -0.84, -0.27 and +0.09 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Louisville to a high of 3.08 inches at Quicksand.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 25, 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	0.37	12.27	1.80	-3.77	-2.60	97	66	81.8	+6	195	2170	+145
Berea	0.86	12.09	2.97	-4.49	-0.99	97	64	80.1	+5	186	2170	+89
Bowling Green	0.08	10.17	2.15	-7.08	-2.09	100	72	85.2	+9	208	2345	+234
Bristol	2.68	14.01	6.15	-0.21	+2.31	91	66	77.9	+2	188	2044	+135
Buckhorn Lake	0.60	10.69	2.41	-5.22	-1.91	93	63	80.1	+5	190	2109	+285
Cape Girardeau	0.07	12.32	0.89	-3.62	-2.31	98	70	84.2	+6	207	2246	+24
Campbellsville	0.04	12.89	1.54	-5.53	-3.21	97	68	82.7	+7	196	2242	+191
Covington	0.47	9.13	1.28	-6.16	-2.52	97	63	82.4	+7	196	2012	+138
Cumberland Gap	1.45	12.36	4.18	-5.04	-0.50	91	68	80.6	+5	199	2152	+273
Dix Dam	0.68	11.53	2.46	-5.10	-1.91	94	65	80.7	+5	188	2109	+84
Evansville	0.60	16.19	4.17	+0.67	+0.56	94	70	82.9	+5	206	2167	+61
Glasgow	0.03	11.21	1.54	-7.28	-3.20	100	70	84.7	+9	206	2387	+366
Grayson	0.88	12.88	3.26	-2.77	-1.04	98	65	82.2	+7	196	2146	+383
Hardinsburg	0.81	15.79	2.51	-1.03	-1.72	97	65	81.8	+6	187	2151	+40
Henderson	0.26	15.81	1.85	-0.09	-1.83	94	70	83.3	+5	206	2277	+141
Huntington	0.87	6.98	1.95	-8.56	-2.40	98	68	82.4	+7	196	2155	+251
Jackson	1.33	11.10	3.33	-5.53	-1.29	92	66	79.8	+4	194	2139	+315
Lexington	1.72	11.07	3.83	-4.97	-0.57	95	64	82.2	+7	198	2126	+222
London	0.55	10.97	2.53	-4.67	-1.67	95	66	80.8	+5	196	2135	+256
Louisville	0.00	16.29	4.87	+0.34	+0.89	100	68	84.7	+9	205	2214	+108
Mayfield	0.47	16.96	2.95	-0.09	-1.01	95	68	83.1	+5	203	2268	+96
Nashville	0.80	13.80	4.02	-2.22	+0.46	95	71	84.1	+8	210	2458	+206
Nolin Lake	0.33	13.61	3.07	-4.39	-1.39	98	71	83.9	+8	197	2273	+333
Paducah	0.00	19.13	2.02	+1.75	-1.76	98	70	85.1	+7	209	2307	+110
Princeton	0.04	18.34	5.04	+1.27	+1.20	99	71	85.1	+7	206	2405	+239
Quicksand	3.08	12.39	5.22	-4.24	+0.60	94	62	79.9	+4	189	2105	+281
Somerset	1.01	17.81	2.63	+0.21	-1.74	97	65	81.3	+6	191	2131	+161
Spindletop	0.46	7.88	2.63	-8.16	-1.77	97	65	83.1	+8	200	2090	+186
Williamstown	0.52	7.98	1.81	-8.00	-2.22	101	64	83.4	+8	197	2159	+255

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 JULY 18, 1999

SOYBEANS SETTING PODS

State	Curr	Last Wk	1998	Avg
AL	5	3	16	7
AR	9	5	10	9
GA	15	9	13	10
IL	11	3	7	6
IN	22	6	6	4
IA	12	3	21	12
KS	6	2	11	8
KY	10	5	9	6
LA	42	30	46	32
MI	5	0	12	3
MN	5	0	20	9
MS	61	55	55	28
MO	6	3	8	3
NE	4	1	5	5
NC	4	0	0	0
OH	15	6	12	6
SC	4	2	12	8
SD	5	3	24	7
TN	13	4	6	4
19 States	12	5	14	8

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

CORN SILKING

State	Curr	Last Wk	1998	Avg
CO	3	0	22	13
GA	100	98	98	98
IL	65	28	51	36
IN	70	30	41	24
IA	20	2	44	23
KS	52	25	76	59
KY	88	71	59	55
MI	36	10	30	11
MN	29	5	76	33
MO	61	39	73	53
NE	22	3	61	35
NC	80	60	79	86
OH	46	10	24	15
PA	38	11	33	20
SD	3	0	14	8
TX	69	65	88	79
WI	20	2	41	14
17 States	40	16	51	32

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

CORN DOUGH

State	Curr	Last Wk	1998	Avg
CO	0	NA	0	0
GA	89	NA	89	90
IL	8	NA	6	3
IN	6	NA	5	1
IA	0	NA	0	0
KS	4	NA	12	13
KY	15	NA	0	3
MI	0	NA	0	0
MN	0	NA	0	0
MO	21	NA	19	12
NE	0	NA	0	0
NC	50	NA	49	54
OH	2	NA	3	1
PA	6	NA	0	0
SD	0	NA	0	0
TX	59	NA	66	59
WI	0	NA	0	0
17 States	6	NA	6	5

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

CROP CONDITION PERCENT FOR WEEK ENDING JULY 18, 1999

SOYBEANS

State	VP	P	F	G	EX
AL	0	1	19	65	15
AR	0	6	32	49	13
GA	3	6	31	54	6
IL	1	5	24	54	16
IN	2	6	33	45	14
IA	2	6	20	47	25
KS	0	3	22	63	12
KY	1	4	17	51	27
LA	0	2	17	72	9
MI	1	4	16	61	18
MN	4	7	34	46	9
MS	1	3	18	49	29
MO	1	10	36	46	7
NE	1	3	20	59	17
NC	1	5	25	63	6
OH	3	8	32	47	10
SC	2	4	30	61	3
SD	2	3	12	58	25
TN	0	4	22	59	15
19 States	2	6	25	51	16
Prev Week	1	5	23	54	17
Prev Year	3	9	27	47	14

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

CORN

State	VP	P	F	G	EX
CO	0	2	8	46	44
GA	11	13	27	41	8
IL	1	4	21	54	20
IN	2	8	32	43	15
IA	2	6	19	45	28
KS	1	3	17	62	17
KY	1	2	16	56	25
MI	1	3	12	60	24
MN	1	5	22	58	14
MO	2	8	31	49	10
NE	1	4	15	56	24
NC	1	6	26	59	8
OH	5	10	32	43	10
PA	16	29	36	16	3
SD	1	2	13	54	30
TX	1	3	17	56	23
WI	1	4	11	52	32
17 States	2	6	20	51	21
Prev Week	1	4	17	54	24
Prev Year	4	7	23	47	19

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