

AGRICULTURAL NEWS: Scattered showers throughout the State were very welcome, but very warm temperatures stressed crops and pastures. Where soil moisture is adequate, crops appear to be doing very well, but the major concern in Eastern and Central Kentucky is the lack of rain. Many of these areas are 4 to 6 inches below normal rainfall levels. **Topsoil moisture** as of Friday, June 11 was rated 25 percent very short, 38 percent short, 35 percent adequate and 2 percent surplus. **Subsoil moisture** was rated 28 percent very short, 32 percent short, 38 percent adequate and 2 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible six. Drought stressed crops are showing more susceptibility to disease although most problems are minor at this time.

CORN: As of Sunday, June 13, very little corn acreage remained to be seeded. About 99 percent of intended acres had been planted compared with 97 percent a year ago and the average of 95. Almost all of the planted acreage had emerged and was in mostly good condition, with 5 percent poor, 17 percent fair, 57 percent good and 21 percent in excellent condition. Some areas show stress due to continued dry weather, but disease and pest problems remain limited at this time.

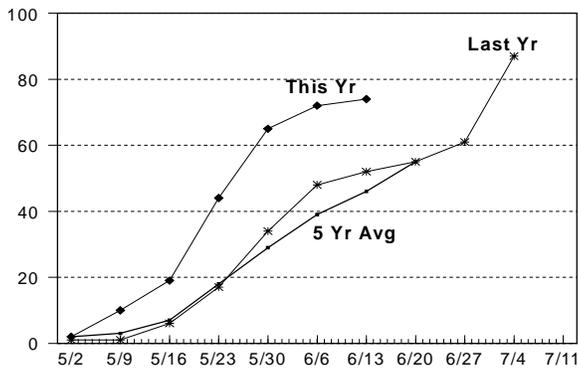
SOYBEANS: Producers will continue seeding double crop beans as the small grain harvest is completed. About 74 percent of the crop had been planted as of June 13, well ahead of the 52 percent seeded last year, and the five-year average of 46. Dry conditions have delayed germination, but 65 percent of the crop had emerged at week's end compared with 19 percent a year ago, and the five-year average of 28. The average height of emerged plants was 4 inches with condition reported as 1 percent very poor, 5 percent poor, 19 percent fair, 54 percent good, and 21 percent in excellent condition.

TOBACCO: As of Sunday, June 13, 93 percent of the intended **burley** acreage had been set compared with 69 percent for both last year and the five-year average. About 86 percent of the **dark tobacco** acreage was set, compared with 77 percent last year and the average of 76. Lack of rain and high temperatures are stressing weak plants in Eastern and Central Kentucky. Black shank is showing up in stressed plants also. Tobacco will be reset in extremely dry areas when soil moisture conditions improve. Plant supplies are a concern for a few growers. Dry conditions are slowing growth, with just 2 percent of set tobacco over 24 inches tall, 18 percent from 12-24 inches and 80 percent under 12 inches in height. Condition of set tobacco was reported as 3 percent very poor, 12 percent poor, 28 percent fair, 46 percent good, and 11 percent in excellent condition.

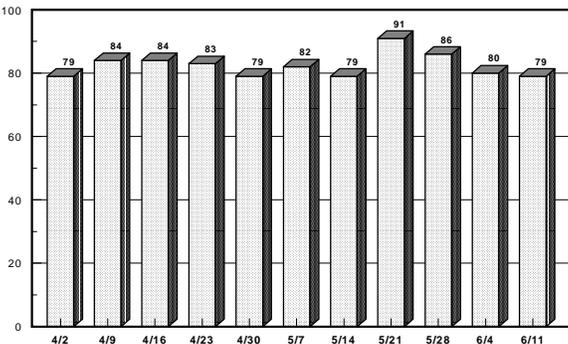
SMALL GRAINS: **Barley** harvest is winding down with 92 percent complete. **Wheat** harvest was about 5 percent complete as of Sunday, June 13 with harvest expected to be in full swing this week. High winds along with strong storms at midweek caused some lodging problems in localized areas. As of Friday, June 11 wheat condition was reported as 3 percent poor, 18 percent fair, 58 percent good and 21 percent in excellent condition.

OTHER CROPS: **Sorghum** planting made rapid progress with 82 percent of intended acres seeded as of Sunday, June 13. Haymaking conditions were excellent this week but good rains will be needed for regrowth after harvest. **Pastures** continue to show stress from lack of moisture. Pastures were rated 4 percent very poor, 16 percent poor, 30 percent fair, 42 percent good and 8 percent in excellent condition. A few livestock producers noted stock water concerns and indicated that they may need to start feeding hay if moisture is not received soon.

SOYBEAN PLANTING PROGRESS



WHEAT CONDITION % Good to Excellent



KENTUCKY CROP PROGRESS
WEEK ENDING JUNE 13, 1999
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	99	97	95	98	NA
Emerged	98	89	88	94	92
Soybeans					
Planted	74	52	46	72	84
Emerged	65	19	28	62	62
Burley Tobacco Set	93	69	69	84	NA
Dark Tobacco Set	86	77	76	80	NA

(NA) Data Not Available

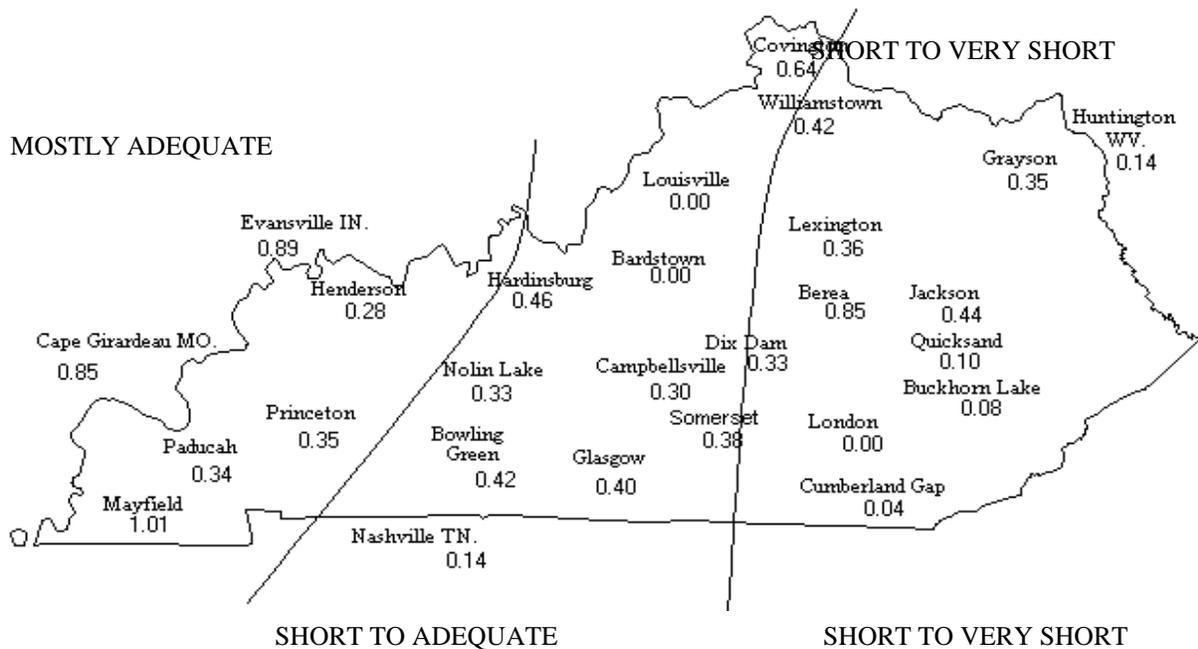
SOIL MOISTURE
WEEK ENDING JUNE 11, 1999
WITH COMPARISONS

	This Week	Previous Week
TOPSOIL		
Very Short	25	19
Short	38	37
Adequate	35	39
Surplus	2	5
SUBSOIL		
Very Short	28	18
Short	32	36
Adequate	38	40
Surplus	2	6

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JUNE 11, 1999					WEEK ENDING JUNE 4, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	VERY POOR	POOR	FAIR	GOOD	EXCELLENT
Corn	0	5	17	57	21	1	1	20	56	22
Soybeans	1	5	19	54	21	0	1	18	60	21
Wheat	0	3	18	58	21	1	1	18	58	22
Pasture	4	16	30	42	8	3	14	32	42	9
Set Tobacco	3	12	28	46	11	1	5	33	48	13

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 13, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 11, 1999



KENTUCKY WEATHER SUMMARY, JUNE 6 - 13, 1999:
ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

Moisture conditions continued to deteriorate last week as only scattered showers and thunderstorms dotted the state. The Palmer Drought Severity Index (PDSI) indicated moderate drought conditions continued to plague the Bluegrass and Eastern (Climate zone) areas during the period.

Temperatures for the past week averaged 78 degrees across the state which was 6 degrees ABOVE NORMAL and 4 degrees warmer than the previous week. High temperatures averaged from 90 in the West to 89 in the East. Departure from normal high temperatures ranged from 4 degrees ABOVE NORMAL in the West to 7 degrees ABOVE NORMAL in the East. Low temperatures averaged from 69 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 7 degrees ABOVE NORMAL in the West to 4 degrees ABOVE NORMAL in the East. Statewide rainfall for the past week totaled 0.38 inches statewide which was 0.51 inches BELOW NORMAL. Rainfall totals by climate division, West 0.62 inches, Central 0.27 inches, Bluegrass 0.43 inches and East 0.19 inches, which was 0.24, 0.65, 0.44 and 0.73 inches respectively BELOW NORMAL. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 1.01 inches at Mayfield.

Tom Priddy

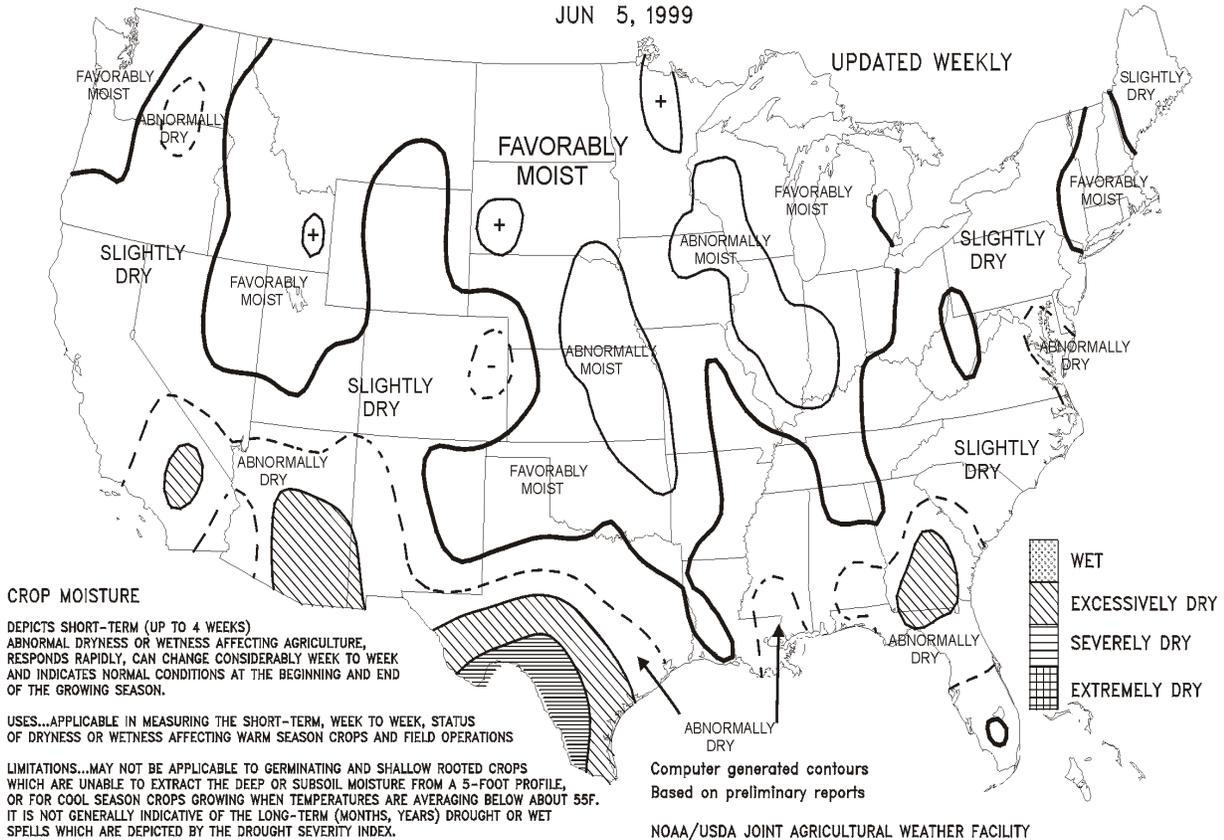
KENTUCKY TEMPERATURES AND RAINFALL
FOR WEEK ENDING SUNDAY, JUNE 13, 7:00 P.M.

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	7.22	1.34	-2.72	-2.41	92	60	77.6	+5	180	1139	+88
Berea	0.85	7.62	2.59	-3.16	-1.45	91	60	76.7	+5	175	1180	+98
Bowling Green	0.42	6.44	2.34	-4.63	-1.86	93	65	79.0	+6	186	1244	+149
Bristol	0.01	5.42	1.40	-3.31	-2.02	93	55	75.1	+4	162	1054	+77
Buckhorn Lake	0.08	6.85	1.88	-2.81	-1.91	91	61	75.9	+4	171	1123	+172
Cape Girardeau	0.85	9.40	2.43	-1.72	-1.58	92	66	78.4	+4	183	1192	+53
Campbellsville	0.30	8.51	2.08	-3.22	-2.23	92	62	77.4	+5	179	1203	+134
Covington	0.64	5.91	2.01	-3.78	-1.72	94	65	78.8	+7	185	1009	+75
Cumberland Gap	0.04	6.59	1.72	-4.15	-2.45	92	59	76.4	+5	171	1118	+154
Dix Dam	0.33	6.73	2.06	-3.82	-1.82	92	63	77.4	+6	180	1118	+67
Evansville	0.89	11.19	4.22	+0.91	+0.41	91	70	80.4	+6	200	1130	+65
Glasgow	0.40	7.55	2.29	-4.05	-2.15	93	66	78.5	+6	184	1302	+280
Grayson	0.35	7.38	2.35	-2.17	-1.38	92	66	78.0	+6	183	1153	+263
Hardinsburg	0.46	10.55	3.37	-0.27	-0.63	95	56	76.6	+4	168	1129	+34
Henderson	0.28	11.40	4.51	+0.95	+0.67	93	69	80.9	+6	196	1208	+113
Huntington	0.14	4.54	1.46	-4.92	-2.20	97	63	79.7	+8	182	1123	+159
Jackson	0.44	6.70	1.92	-3.54	-1.90	90	65	76.9	+5	180	1142	+191
Lexington	0.36	4.92	1.91	-5.02	-1.84	93	64	78.5	+7	185	1094	+147
London	0.00	7.26	1.87	-2.49	-1.76	92	63	76.6	+5	174	1124	+160
Louisville	0.00	8.86	2.62	-1.49	-1.11	92	65	79.2	+7	189	1149	+84
Mayfield	1.01	9.56	2.62	-1.96	-1.26	92	66	78.1	+4	185	1200	+44
Nashville	0.14	8.47	2.03	-2.33	-1.88	93	66	79.1	+7	189	1326	+157
Nolin Lake	0.33	7.59	2.51	-4.12	-1.84	93	64	78.4	+6	182	1205	+180
Paducah	0.34	13.11	4.12	+1.41	-0.03	93	68	79.5	+5	191	1221	+82
Princeton	0.35	10.46	2.18	-0.97	-1.89	96	68	80.7	+6	195	1328	+203
Quicksand	0.10	6.40	2.01	-3.84	-1.81	90	61	75.8	+4	170	1127	+176
Somerset	0.38	11.75	2.23	+0.49	-2.06	92	60	76.5	+5	175	1134	+96
Spindletop	0.00	3.77	0.88	-6.17	-2.87	94	65	79.2	+8	187	1066	+119
Williamstown	0.42	4.10	1.47	-6.09	-2.30	94	66	79.4	+8	186	1121	+174

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l 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 Moisture
 SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
 JUN 5, 1999

UPDATED WEEKLY



CROP MOISTURE

DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS 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 SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F. IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

Computer generated contours
 Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY