



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

DAVID KNOPF, Director

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Agricultural News: This week consisted of exceptionally hot and humid conditions. Precipitation for the week totaled 0.62 inches, 0.36 inches below normal for this point in the season. Temperature for the week averaged 80 degrees, 3 degrees warmer than normal. **Topsoil moisture** was rated 1 percent very short, 8 percent short, 67 percent adequate and 24 percent surplus. **Subsoil moisture** was rated 1 percent very short, 4 percent short, 71 percent adequate, and 24 percent surplus. Days suitable for fieldwork averaged 5.0 out of a possible seven.

Crops: As of Sunday, July 21, the **corn** crop was 70 percent tasseled, trailing both last year at 99 percent and the five year average of 75 percent. Corn silking was rated at 50 percent compared to 86 percent last year and the five year average of 71 percent. Eight percent of corn reached the milk stage, compared to 59 percent last year and the five year average of 36 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 10 percent fair, 54 percent good, and 33 percent excellent. **Soybean** blooming reached 25 percent complete, compared to 61 percent last year and the five year average of 48 percent. Soybean setting pods reach 5 percent, compared with 29 percent last year and the five year average of 16 percent. Condition of the soybean crop was rated 1 percent very poor, 2 percent poor, 13 percent fair, 62 percent good, and 22 percent excellent.

Tobacco: Thirty-two percent of Burley tobacco was blooming compared to 36 percent last year and 29 percent for the five year average. Burley was 12 percent topped compared to 13 percent last year and the five year average of 12 percent. Dark tobacco had 53 percent blooming, behind last year at 66 percent and the five year average of 55 percent.

Twenty-seven percent of dark tobacco was topped compared to 31 percent last year and 29 percent for the five year average. Condition of set tobacco was rated as 5 percent very poor, 11 percent poor, 22 percent fair, 49 percent good, and 13 percent excellent.

Pasture: Pasture condition was reported as 1 percent very poor, 3 percent poor, 16 percent fair, 54 percent good, and 26 percent excellent.

CROP PROGRESS for week ending 07/21/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Tassel	70	56	99	75
Corn Silking	50	37	86	71
Corn Milked	8	N/A	59	36
Soybeans Blooming	25	11	61	48
Soybeans Setting Pods	5	0	29	16
Burley Tobacco Blooming	32	19	36	29
Burley Tobacco Topped	12	5	13	12
Dark Tobacco Blooming	53	32	66	55
Dark Tobacco Topped	27	5	31	29

SOIL MOISTURE for week ending 07/21/13

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	1	8	67	24
Subsoil	1	4	71	24

CROP CONDITIONS for week ending 07/21/13

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	2	10	54	33
Soybeans	1	2	13	62	22
Pasture	1	3	16	54	26
Tobacco Set	5	11	22	49	13

KENTUCKY WEATHER SUMMARY, JULY 15 - 21, 2013:

Above Normal Temperatures and Below Normal Rainfall:

Exceptionally hot and humid conditions dominated the Bluegrass State this past week as an upper level ridge of high pressure built into the region. This pattern brought the first heat wave of the summer, whereas on many days throughout the week temperatures peaked in the upper 80s to low 90s with dew points in the low 70s. Many locations even had highs in the mid 90s. These warm and moist conditions led to the heat index rising into the upper 90s to around 100 and the livestock heat stress index in the danger category for much of the week. Conditions remained rather dry throughout the period with Kentucky only seeing an average of just over a half inch. This made for the state's second straight week with below normal rainfall. Most activity was focused toward the afternoon and evening periods when the atmosphere was most unstable with storms remaining isolated to scattered in coverage. This held true even into the weekend as the ridge broke down and a slow moving cold front worked into northern portions of the state.

Temperatures for the period averaged 80 degrees across the state which was 3 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 88 in the East. Departure from normal high temperatures ranged from near normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 71 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 3 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at CAPE GIRARDEAU ASOS and the extreme low was 63 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 0.62 inches statewide which was 0.36 inches below normal and 63% of normal. Precipitation totals by climate division, West 0.84 inches, Central 0.59 inches, Bluegrass 0.49 inches and East 0.56 inches, which was 0.1, 0.41, 0.46 and 0.46 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at CARROLLTON 2E to a high of 3.87 inches at RUSSELLVILLE 2W.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 21, 7:00 P.M.

Weather Station	Rainfall		Dev. From		Air Temperature			Growing Degree Days				
	Since Last	Last Four	Norm	Norm	Dev.			Since	Dev.			
	Week	Wks.	Apr 1	4 Wks.	Hi	Lo	Avg.	Norm	Week	1 Apr 1		
	(Inches)		(Degrees F)									
Bardstown	0.55	17.94	8.88	+2.54	+4.64	92	69	80	+4	210	1946	-39
Berea	0.62	19.86	6.88	+3.85	+2.96	91	66	78	+3	198	1857	-174
Bowling Green	2.10	22.73	8.75	+6.09	+4.57	94	70	82	+6	222	2238	+178
Bristol	2.77	23.64	9.50	+9.97	+5.75	91	63	77	+2	189	1811	-60
Buckhorn Lake	0.17	17.72	4.18	+2.43	-0.07	89	66	78	+3	196	1890	+95
Cape Girardeau	0.08	16.33	0.29	+0.84	-2.92	96	70	81	+3	220	2142	-24
Campbellsville	0.20	22.35	7.98	+4.62	+3.37	90	67	78	+2	200	1886	-122
Covington	0.51	18.94	6.90	+4.20	+3.13	93	69	82	+7	221	1973	+148
Cumberland Gap	0.89	23.42	7.82	+6.70	+3.26	90	64	77	+2	190	1885	+27
Dix Dam	0.24	23.82	10.24	+7.83	+6.02	90	69	79	+4	205	1890	-81
Evansville	0.09	16.94	5.91	+1.94	+2.36	96	69	82	+4	227	2119	+70
Glasgow	0.12	23.05	8.79	+5.24	+4.12	92	70	80	+4	210	2006	+19
Grayson	1.02	17.62	8.27	+2.60	+4.08	91	66	79	+4	202	1841	+106
Hardinsburg	0.01	18.87	4.13	+2.67	+0.01	91	68	80	+4	206	1977	-99
Henderson	1.08	15.87	3.75	+0.50	+0.10	92	68	80	+2	210	2064	-37
Huntington	0.31	15.73	8.68	+0.83	+4.48	95	68	82	+7	222	2038	+154
Jackson	1.02	19.70	6.56	+3.74	+2.11	89	68	79	+4	201	1945	+150
Lexington	0.00	23.50	9.47	+8.10	+5.23	95	69	82	+7	220	2032	+132
London	0.50	24.71	9.04	+9.69	+4.97	91	66	78	+3	195	1866	-25
Louisville	0.28	15.23	6.49	-0.14	+2.63	95	73	84	+8	238	2258	+226
Mayfield	0.98	25.66	6.09	+9.19	+2.26	92	67	80	+2	210	2094	-22
Nashville	0.74	20.21	5.67	+4.70	+2.15	97	71	83	+7	230	2250	+41
Nolin Lake	0.32	20.79	8.27	+3.44	+3.93	95	69	82	+6	223	2172	+274
Paducah	0.44	19.94	2.59	+3.10	-1.19	94	69	80	+2	213	2136	+1
Princeton	1.40	20.85	5.04	+4.33	+1.24	91	69	80	+2	208	2050	-85
Quicksand	0.31	18.11	6.02	+2.15	+1.57	92	66	79	+4	202	1886	+91
Somerset	0.28	20.38	7.56	+3.41	+3.26	91	65	78	+3	198	1850	-72
Spindletop	0.26	23.89	10.01	+8.49	+5.77	92	68	79	+4	202	1832	-68
Williamstown	0.10	20.59	8.23	+5.19	+4.28	91	68	80	+5	208	1868	+6