



# KENTUCKY WEEKLY CROP & WEATHER REPORT



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

**DAVID KNOFF, Director**

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**Agricultural News:** This week consisted of unseasonably cool conditions. Precipitation for the week totaled 1.09 inches, 0.12 inches above normal for this point in the season. Temperature for the week averaged 72 degrees, 4 degrees cooler than normal. **Topsoil moisture** was rated 1 percent very short, 4 percent short, 75 percent adequate and 20 percent surplus. **Subsoil moisture** was rated 1 percent very short, 2 percent short, 78 percent adequate, and 19 percent surplus. Days suitable for fieldwork averaged 5.0 out of a possible seven.

**Crops:** As of Sunday, July 28, **corn** silking was rated at 69 percent compared to 91 percent last year and the five year average of 81 percent. Twenty-six percent of corn reached the milk stage, compared to 71 percent last year and the five year average of 51 percent. Eight percent of corn reached the dough stage, compared to 49 percent last year and the five year average of 28 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 8 percent fair, 53 percent good, and 36 percent excellent. **Soybean** blooming reached 41 percent complete, compared to 69 percent last year and the five year average of 61 percent. Soybean setting pods reached 16 percent, compared with 41 percent last year and the five year average of 26 percent. Condition of the soybean crop was rated 2 percent poor, 12 percent fair, 62 percent good, and 24 percent excellent.

**Tobacco:** Forty-seven percent of Burley tobacco was blooming compared to 50 percent last year and 44 percent for the five year average. Burley was 21 percent topped compared to 22 percent last year and the five year average of 21 percent. Dark tobacco had 66 percent blooming, behind last year at 75 percent and the five year average of 71 percent. Forty percent of dark tobacco was topped compared to 48 percent last year and 46 percent for the five year average. Condition of set tobacco was rated as 5 percent very poor, 9 percent poor, 24 percent fair, 48 percent good, and 14 percent excellent.

**Pasture:** Pasture condition was reported as 1 percent very poor, 2 percent poor, 17 percent fair, 56 percent good, and 24 percent excellent.

**CROP PROGRESS for week ending 07/28/13**

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Corn Silking	69	50	91	81
Corn Milked	26	8	71	51
Corn Dough	8	N/A	49	28
Soybeans Blooming	41	25	69	61
Soybeans Setting Pods	16	5	41	26
Burley Tobacco Blooming	47	32	50	44
Burley Tobacco Topped	21	12	22	21
Dark Tobacco Blooming	66	53	75	71
Dark Tobacco Topped	40	27	48	46

**SOIL MOISTURE for week ending 07/28/13**

	Very Short	Short	Adequate	Surplus
Topsoil	1	4	75	20
Subsoil	1	2	78	19

**CROP CONDITIONS for week ending 07/28/13**

Crop	Very Poor	Poor	Fair	Good	Ex
Corn	1	2	8	53	36
Soybeans	-	2	12	62	24
Pasture	1	2	17	56	24
Tobacco Set	5	9	24	48	14

# KENTUCKY WEATHER SUMMARY, JULY 22 – 28, 2013:

Below Normal Temperatures and Above Normal Rainfall:

An unseasonably cool pattern was the highlight of this past week as temperatures across the Bluegrass State were on average 4 degrees below normal. A cold front approached the state Tuesday night and sparked isolated to scattered thunderstorms across the state. As this feature passed through the Commonwealth on Wednesday, high pressure of Canadian origin settled across the state. Cool and dry conditions overspread the Ohio Valley for the remainder of the work week with temperatures mainly in the upper 70s to low 80s and dew points dropping into the 50s. The weekend started off with another cold front passing through the Commonwealth. Moisture was meager with this system and only light accumulations were observed. More than anything, this front acted to reinforce dry and cooler air across the state. Highs over the weekend stayed mainly in the mid 70s to around 80 with lows dropping into the 50s Saturday night. Some locations in west-central portions of Kentucky even dropped into the upper 40s. Overall, this is normally the state's warmest period of the year, but cool conditions made it feel more like September.

Temperatures for the period averaged 72 degrees across the state which was 4 degrees cooler than normal and 8 degrees cooler than the previous period. High temperatures averaged from 82 in the West to 80 in the East. Departure from normal high temperatures ranged from 7 degrees cooler than normal in the West to 7 degrees cooler than normal in the East. Low temperatures averaged from 64 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 3 degrees cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 92 degrees at CAPE GIRARDEAU ASOS and the extreme low was 48 degrees at HENDERSON 5E.

Precipitation (liq. equ.) for the period totaled 1.09 inches statewide which was 0.12 inches above normal and 113% of normal. Precipitation totals by climate division, West 1.22 inches, Central 0.94 inches, Bluegrass 1.46 inches and East 0.76 inches, which was 0.30, -0.04, 0.50 and -0.25 inches respectively from normal. By station, precipitation totals ranged from a low of 0.09 inches at CAPE GIRARDEAU ASOS to a high of 3.47 inches at POPLAR BLUFF ASOS.

Tom Priddy

## KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 28, 7:00 P.M.

Weather Station	Rainfall		Dev. From Norm		Air Temperature			Growing Degree Days				
	Since Last	Last Four	Norm Since	Norm Last	Dev.			Since Last	Dev. Since			
	Week	Wks.	Apr 1	4 Wks.	Hi	Lo	Avg.	Norm	Week	Apr 1	Apr 1	
	(Inches)		(Degrees F)									
Bardstown	0.68	18.62	5.47	+2.09	+0.95	86	51	72	-4	153	2100	-58
Berea	2.33	22.19	6.72	+5.18	+2.73	85	55	71	-4	146	2004	-202
Bowling Green	0.89	23.62	9.63	+5.91	+5.35	89	55	74	-2	172	2410	+168
Bristol	0.76	24.40	7.72	+9.76	+3.82	87	57	74	-1	170	1982	-56
Buckhorn Lake	1.01	18.73	4.56	+2.35	+0.19	85	55	72	-3	156	2046	+94
Cape Girardeau	0.09	16.42	0.28	+0.13	-2.92	92	53	74	-4	171	2312	-43
Campbellsville	1.40	23.75	9.09	+4.81	+4.24	85	53	72	-4	151	2037	-147
Covington	0.82	19.76	5.37	+4.06	+1.54	87	53	70	-5	142	2114	+118
Cumberland Gap	0.33	23.75	7.09	+5.84	+2.33	86	58	74	-1	166	2052	+29
Dix Dam	2.77	26.59	9.33	+9.48	+4.85	85	55	71	-4	147	2038	-107
Evansville	2.38	19.32	2.89	+3.41	-0.76	92	53	74	-4	165	2284	+52
Glasgow	0.95	24.00	7.29	+4.99	+2.49	87	55	73	-3	162	2168	+4
Grayson	1.62	19.24	7.35	+3.12	+2.96	85	54	71	-4	146	1988	+96
Hardinsburg	0.38	19.25	3.45	+1.97	-0.86	88	49	72	-4	154	2132	-124
Henderson	1.50	17.37	3.17	+1.08	-0.52	89	51	72	-6	158	2221	-62
Huntington	2.00	17.73	7.75	+1.72	+3.30	88	55	72	-3	154	2192	+139
Jackson	1.15	20.85	6.62	+3.71	+1.88	86	59	72	-3	154	2099	+147
Lexington	3.06	26.56	8.93	+10.03	+4.41	87	56	72	-3	152	2184	+111
London	0.22	24.93	6.86	+8.83	+2.56	86	58	73	-2	160	2026	-32
Louisville	1.90	17.13	5.14	+0.75	+1.07	90	56	74	-2	166	2424	+209
Mayfield	1.56	27.22	4.59	+9.73	+0.53	87	55	73	-5	160	2254	-38
Nashville	0.51	20.72	6.17	+4.31	+2.58	92	62	76	0	186	2435	+37
Nolin Lake	0.85	21.64	6.80	+3.15	+2.24	91	53	75	-1	176	2348	+283
Paducah	0.80	20.74	1.93	+2.96	-1.85	89	51	74	-4	165	2302	-20
Princeton	0.43	21.28	3.75	+3.80	-0.12	86	51	72	-6	156	2206	-112
Quicksand	1.02	19.13	5.16	+1.99	+0.42	87	56	73	-2	164	2050	+98
Somerset	0.98	21.36	7.48	+3.28	+3.06	85	55	72	-3	152	2002	-88
Spindletop	2.16	26.05	9.04	+9.52	+4.52	84	54	69	-6	134	1966	-107
Williamstown	2.14	22.73	7.20	+6.31	+3.11	84	53	69	-6	134	2002	-29

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>