



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

# 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

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*Released weekly April - November*

Issued 4:00 P.M., August 19, 2013

21-13

**Agricultural News:** This week consisted of unseasonably cool conditions. Precipitation for the week totaled 1.14 inches, 0.28 in above normal. Temperature for the week averaged 70 degrees, 6 degrees cooler than normal. **Topsoil moisture** was rated 10 percent short, 70 percent adequate and 20 percent surplus. **Subsoil moisture** was rated 1 percent very short, 8 percent short, 73 percent adequate, and 18 percent surplus. Days suitable for fieldwork averaged 4.5 out of a possible seven. Primary activities this week included topping and cutting tobacco and preparing equipment for grain harvest.

**Crops:** As of Sunday, August 18, **corn** silking was rated at 96 percent compared to 100 percent last year and the five-year average of 99 percent. Seventy-eight percent of corn reached the milk stage, compared to 99 percent last year and the five-year average of 91 percent. Fifty-four percent of corn reached the dough stage, compared to 86 percent last year and the five-year average of 72 percent. Twenty-seven percent of corn reached the dent stage, compared to 76 percent last year and the five-year average of 52 percent. Two percent of corn reached the mature stage, compared with 51 percent last year and the five-year average of 14 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 9 percent fair, 41 percent good, and 47 percent excellent. **Soybean** blooming reached 79 percent complete, compared to 90 percent last year and the five-year average of 89 percent. Soybean setting pods reached 54 percent, compared with 77 percent last year and the five-year average of 71 percent. Condition of the soybean crop was rated 2 percent poor, 11 percent fair, 53 percent good, and 34 percent excellent.

**Tobacco:** Eighty-three percent of Burley tobacco was blooming compared to 83 percent last year and 86 percent for the five-year average. Burley was 60 percent topped, compared to 62 percent last year and the five-year average of 67 percent. Fifteen percent of burley tobacco has been cut, compared to 15 percent last year and for the five-year average. Dark tobacco reached 95 percent blooming, behind last year at 99 percent and the five-year average of 98 percent. Eighty

percent of dark tobacco was topped compared to 90 percent last year and 86 percent for the five-year average. Five percent of dark tobacco was cut, compared to 13 percent last year and the five-year average of 14 percent. Condition of set tobacco was rated as 4 percent very poor, 8 percent poor, 26 percent fair, 48 percent good, and 14 percent excellent.

**Other:** Pasture condition was reported as 2 percent poor, 17 percent fair, 57 percent good, and 24 percent excellent. Livestock were reportedly in good shape and have benefitted from good pasture conditions.

### CROP PROGRESS for week ending 08/18/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
				Per
Corn Silk	96	92	100	99
Corn Milk	78	69	99	91
Corn Dough	54	40	86	72
Corn Dent	27	14	76	52
Corn Mature	2	N/A	51	14
Soybeans Blooming	79	69	90	89
Soybeans Setting Pods	54	42	77	71
Burley Tobacco Blooming	83	74	83	86
Burley Tobacco Topped	60	47	62	67
Burley Tobacco Cut	15	6	15	15
Dark Tobacco Blooming	95	89	99	98
Dark Tobacco Topped	80	72	90	86
Dark Tobacco Cut	5	2	13	14

### SOIL MOISTURE for week ending 08/18/13

	Very Short	Short	Adequate	Surplus
Topsoil	-	10	70	20
Subsoil	1	8	73	18

### CROP CONDITIONS for week ending 08/18/13

Crop	Very Poor	Poor	Fair	Good	Ex
Corn	1	2	9	41	47
Soybeans	-	2	11	53	34
Pasture	-	2	17	57	24
Tobacco Set	4	8	26	48	14

# KENTUCKY WEATHER SUMMARY, AUGUST 12 - 18, 2013:

Well Below Normal Temperatures and Above Normal Rainfall:

The middle of August is usually known to be one of the warmest periods of the year, but just like this past month, cool temperatures made this previous week feel more like September. Over the course of the period, the Commonwealth averaged 6 degrees below normal. Highs were typically in the upper 70s with lows dropping into the low 60s. This helped in accounting for the 4th straight week of near to below normal temperatures. The work week started off on the unsettled side as a couple frontal boundaries passed through the state. The eventual departure of a cold front on Tuesday allowed skies to clear as surface high pressure of Canadian origin pushed in from the north. This air mass stayed over the region through Thursday with very dry and cool conditions in place. While highs only rose into the low to mid 70s, the most noticeable difference was during the overnight hours. Clear skies allowed temperatures to plummet into the low to mid 50s. Some locations even dropped into the mid 40s. This was the case in Bath County, when the mercury dropped to 46 early Thursday morning. This reading is nearly 20 degrees below normal for this time of the year. Conditions then become unsettled for the weekend as isolated scattered showers were the trend as moisture pooled into the area ahead of an area of low pressure. Over the course of the week, most portions of Kentucky with the exception of the Bluegrass saw over an inch of rainfall.

Temperatures for the period averaged 70 degrees across the state which was 6 degrees cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 79 in the West to 77 in the East. Departure from normal high temperatures ranged from 9 degrees cooler than normal in the West to 9 degrees cooler than normal in the East. Low temperatures averaged from 62 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from 4 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. The extreme high temperature for the period was 86 degrees at FORT CAMPBELL and the extreme low was 47 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.14 inches statewide which was 0.28 inches above normal and 133% of normal. Precipitation totals by climate division, West 1.35 inches, Central 1.38 inches, Bluegrass 0.53 inches and East 1.30 inches, which was 0.56, 0.54, -0.34 and 0.37 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at ALEXANDRIA 5NW to a high of 3.73 inches at JACKSON.

Tom Priddy

## KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 18, 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.	Since Apr 1	Last 4 Wks.	Hi	Lo	Wkly. Avg.	From Norm	Last Week	Apr 1	Since Apr 1	
	(Inches)		(Degrees F)									
Bardstown	1.63	22.99	5.05	+3.70	+1.16	84	51	70	-4	138	2565	-98
Berea	0.85	26.57	6.71	+6.81	+2.97	80	47	68	-6	127	2434	-284
Bowling Green	1.94	28.84	6.11	+8.63	+2.54	84	54	72	-2	154	2923	+157
Bristol	2.67	29.01	5.37	+12.11	+2.14	84	53	70	-4	138	2442	-86
Buckhorn Lake	1.84	23.97	6.25	+5.00	+2.57	80	51	68	-6	126	2476	+63
Cape Girardeau	0.00	20.40	4.07	+1.74	+0.90	89	51	71	-5	146	2814	-78
Campbellsville	1.01	26.71	4.36	+4.60	-0.03	82	51	70	-4	138	2490	-204
Covington	0.00	21.87	2.93	+3.81	-0.38	84	53	70	-4	140	2574	+89
Cumberland Gap	1.44	29.59	6.17	+8.66	+1.96	83	52	71	-3	144	2517	+9
Dix Dam	0.30	32.19	8.37	+12.34	+4.51	82	51	69	-5	134	2492	-161
Evansville	0.81	20.16	3.22	+2.05	+0.11	87	54	71	-5	144	2796	+45
Glasgow	1.55	28.70	5.65	+6.84	+1.60	83	55	71	-3	148	2654	-24
Grayson	0.69	21.46	3.84	+2.69	+0.09	81	48	67	-7	119	2411	+46
Hardinsburg	1.19	22.36	3.49	+2.43	-0.24	85	51	70	-4	138	2604	-173
Henderson	0.67	19.72	3.85	+1.19	+0.69	86	53	71	-5	144	2697	-106
Huntington	0.42	20.35	4.62	+1.57	+0.74	82	50	68	-6	126	2646	+101
Jackson	3.73	28.30	8.60	+8.32	+4.58	80	52	68	-6	126	2536	+123
Lexington	1.32	29.73	6.23	+10.44	+2.34	83	52	70	-4	138	2660	+84
London	2.00	28.37	3.66	+9.89	+0.20	82	53	70	-4	142	2483	-62
Louisville	0.95	19.44	4.21	+0.56	+0.70	85	54	72	-2	156	2948	+202
Mayfield	2.86	34.03	8.37	+13.89	+4.70	82	54	71	-5	144	2740	-67
Nashville	0.11	22.56	2.35	+3.76	-0.94	87	58	74	0	167	2980	+28
Nolin Lake	1.71	26.63	5.84	+5.47	+2.03	87	54	72	-2	155	2853	+301
Paducah	1.85	25.00	5.06	+4.87	+1.77	86	53	71	-5	148	2798	-57
Princeton	2.10	26.84	5.99	+6.61	+2.28	82	54	70	-6	142	2686	-163
Quicksand	1.64	23.28	5.17	+3.30	+1.15	81	50	69	-5	135	2506	+93
Somerset	0.91	24.21	3.83	+3.38	-0.02	80	50	70	-4	136	2450	-128
Spindletop	1.31	28.11	4.22	+8.82	+0.33	80	49	67	-7	117	2376	-200
Williamstown	0.23	25.32	4.73	+6.29	+1.10	82	51	68	-6	126	2436	-84