



**NATIONAL
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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: Kentucky experienced below average rainfall and warmer temperatures last week. Precipitation for the week totaled 0.34 inches, 0.49 in below normal. Temperature for the week averaged 75 degrees, near normal. **Topsoil moisture** was rated 1 percent very short, 13 percent short, 70 percent adequate and 16 percent surplus. **Subsoil moisture** was rated 1 percent very short, 10 percent short, 74 percent adequate, and 15 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible seven. Primary activities this week included harvesting tobacco and starting to harvest early corn for grain.

Crops: As of Sunday, August 18, **corn** milking was rated at 90 percent, compared to 100 percent last year and the five-year average of 97 percent. Seventy-two percent of corn reached the dough stage, compared to 93 percent last year and the five-year average of 84 percent. Forty-eight percent of corn reached the dent stage, compared to 86 percent last year and the five-year average of 66 percent. Eight percent of corn reached the mature stage, compared with 66 percent last year and the five-year average of 29 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 9 percent fair, 40 percent good, and 48 percent excellent. **Soybean** blooming reached 86 percent complete, compared to 99 percent last year and the five-year average of 96 percent. Soybean setting pods reached 66 percent, compared with 86 percent last year and the five-year average of 82 percent. Condition of the soybean crop was rated 1 percent very poor, 2 percent poor, 12 percent fair, 49 percent good, and 36 percent excellent. There were some reports of soybean sudden death syndrome observed last week.

Tobacco: Eighty-seven percent of Burley tobacco was blooming, compared to 94 percent last year and 95 percent for the five-year average. Seventy-one percent of Burley tobacco was topped, compared to 69 percent last year and the five-year average of 79 percent. Twenty-seven percent of burley tobacco has been cut, compared to 21 percent last year and 27

percent for the five-year average. Eighty-nine percent of dark tobacco was topped, compared to 99 percent last year and 96 percent for the five-year average. Twenty-one percent of dark tobacco was cut, compared to 21 percent last year and the five-year average of 28 percent. Condition of set tobacco was rated as 4 percent very poor, 10 percent poor, 24 percent fair, 49 percent good, and 13 percent excellent.

Other: Pasture condition was reported as 5 percent poor, 16 percent fair, 55 percent good, and 24 percent excellent. While pastures remain mostly in good to excellent condition, fields were beginning to show signs of stress in a few locations that have not received as much rain.

CROP PROGRESS for week ending 08/25/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	Percent			
Corn Milk	90	78	100	97
Corn Dough	72	54	93	84
Corn Dent	48	27	86	66
Corn Mature	8	2	66	29
Soybeans Blooming	86	79	99	96
Soybeans Setting Pods	66	54	86	82
Burley Tobacco Blooming	87	83	94	95
Burley Tobacco Topped	71	60	69	79
Burley Tobacco Cut	27	15	21	27
Dark Topped	89	80	99	96
Dark Tobacco Cut	21	5	21	28

SOIL MOISTURE for week ending 08/25/13

	Very Short	Short	Adequate	Surplus
	Percent			
Topsoil	1	13	70	16
Subsoil	1	10	74	15

CROP CONDITIONS for week ending 08/25/13

Crop	Very Poor	Poor	Fair	Good	Ex
	Percent				
Corn	1	2	9	40	48
Soybeans	1	2	12	49	36
Pasture	-	5	16	55	24
Tobacco Set	4	10	24	49	13

KENTUCKY WEATHER SUMMARY, AUGUST 19 - 25, 2013:

Near Normal Temperatures and Below Normal Rainfall:

After a rather cool first half of August, temperatures returned to near normal this week, while rainfall was below normal by nearly a half inch. The work week started off rather quiet, but with skies clearing, winds going calm, and a moist atmosphere, fog formed on each morning. An upper level low pressure system then moved in across the Bluegrass State through the middle section of the work week. This sparked scattered showers and isolated thunderstorms Tuesday afternoon, before coverage increased later in the day on Wednesday. Most activity was limited to the eastern half of the state and was the only significant event of the week. Some of the stronger storms produced localized flooding and small hail. An upper level ridge then began to build into the Ohio Valley for the weekend with high pressure at the surface. This kept conditions dry with temperatures warming slightly into the mid to upper 80s by Sunday.

Temperatures for the period averaged 75 degrees across the state which was near normal and 6 degrees warmer than the previous period. High temperatures averaged from 86 in the West to 84 in the East. Departure from normal high temperatures ranged from 2 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. Low temperatures averaged from 66 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to 2 degrees warmer than normal in the East. The extreme high temperature for the period was 93 degrees at PADUCAH ASOS and the extreme low was 54 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 0.34 inches statewide which was 0.49 inches below normal and 41% of normal. Precipitation totals by climate division, West 0.22 inches, Central 0.41 inches, Bluegrass 0.37 inches and East 0.35 inches, which was 0.53, 0.43, 0.47 and 0.54 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 2.98 inches at STANFORD 4NE.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 25, 7:00 P.M.

Weather Station	Rainfall			Dev. From Norm		Air Temperature			Growing Degree Days			
	Since Last Week	Last April 1	Last Four Wks.	Since Apr 1	Norm Last 4 Wks.	Hi	Lo	Avg.	Wkly. Dev. From Norm	Last Week	Since Apr 1	
	(Inches)	(Inches)	(Inches)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	
Bardstown	0.04	23.03	4.41	+2.85	+0.76	92	61	75	+2	175	2740	-90
Berea	0.07	26.64	4.45	+5.98	+0.80	85	56	73	+1	160	2594	-294
Bowling Green	0.82	29.66	6.04	+8.66	+2.75	89	63	77	+4	188	3111	+172
Bristol	0.24	29.25	4.85	+11.63	+1.88	85	53	73	+1	162	2604	-86
Buckhorn Lake	0.69	24.66	5.93	+4.87	+2.52	83	58	72	0	158	2634	+69
Cape Girardeau	0.00	20.40	3.98	+0.96	+0.82	91	62	76	+1	182	2997	-72
Campbellsville	0.02	26.73	2.98	+3.58	-1.23	85	58	74	+1	165	2654	-210
Covington	0.07	21.94	2.18	+3.13	-0.93	87	59	75	+3	176	2750	+104
Cumberland Gap	0.02	29.61	5.86	+7.70	+1.86	86	57	74	+2	170	2687	+17
Dix Dam	0.57	32.76	6.17	+12.02	+2.54	85	60	74	+2	171	2663	-159
Evansville	0.52	20.68	1.36	+1.87	-1.54	91	63	78	+3	196	2992	+70
Glasgow	0.13	28.83	4.83	+6.06	+1.07	87	62	75	+2	176	2829	-20
Grayson	0.02	21.48	2.24	+1.87	-1.25	86	56	72	0	154	2566	+43
Hardinsburg	0.33	22.69	3.44	+1.90	-0.07	88	61	76	+3	180	2784	-165
Henderson	0.00	19.72	2.35	+0.47	-0.60	90	61	76	+1	184	2882	-94
Huntington	0.50	20.85	3.12	+1.18	-0.53	85	57	74	+2	165	2812	+104
Jackson	1.70	30.00	9.15	+9.12	+5.41	83	61	73	+1	162	2698	+133
Lexington	0.02	29.75	3.19	+9.57	-0.46	88	60	76	+4	183	2842	+100
London	0.28	28.65	3.72	+9.42	+0.59	88	60	75	+3	176	2658	-49
Louisville	0.20	19.64	2.51	-0.03	-0.78	91	66	79	+6	202	3150	+229
Mayfield	0.00	34.03	6.81	+13.02	+3.29	89	62	77	+2	187	2928	-49
Nashville	0.53	23.09	2.37	+3.51	-0.80	92	68	79	+6	203	3184	+49
Nolin Lake	0.01	26.64	5.00	+4.64	+1.49	91	63	77	+4	186	3040	+326
Paducah	0.00	25.00	4.26	+4.12	+1.16	93	63	78	+3	196	2993	-39
Princeton	0.72	27.56	6.28	+6.43	+2.63	88	61	76	+1	182	2868	-157
Quicksand	0.45	23.73	4.60	+2.85	+0.86	85	57	74	+2	166	2672	+107
Somerset	0.37	24.58	3.22	+2.87	-0.41	85	57	73	+1	162	2612	-128
Spindletop	0.05	28.16	2.11	+7.98	-1.54	84	58	73	+1	162	2538	-204
Williamstown	0.09	25.41	2.68	+5.54	-0.77	85	59	74	+2	166	2602	-80

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/>