



KENTUCKY WEEKLY CROP & WEATHER REPORT



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Released weekly April - November

Issued 4:00 P.M., September 3, 2013

23-13

Agricultural News: Kentucky experienced very hot and humid conditions last week. Precipitation for the week totaled 1.30 inches, 0.56 in above normal. Temperature for the week averaged 78 degrees, 4 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 16 percent short, 73 percent adequate and 10 percent surplus. **Subsoil moisture** was rated 1 percent very short, 15 percent short, 75 percent adequate, and 9 percent surplus. Days suitable for fieldwork averaged 5.9 out of a possible seven. Primary activities this week included cutting and housing tobacco and preparing for grain harvest.

Crops: As of Sunday, September 1, 85 percent of **corn** had reached the dough stage, compared to 99 percent last year and the five-year average of 92 percent. Sixty-six percent of corn reached the dent stage, compared to 92 percent last year and the five-year average of 80 percent. Twenty-two percent of corn reached the mature stage, compared with 77 percent last year and the five-year average of 46 percent. One percent of corn has been harvested, compared to 35 percent last year and the five-year average of 12 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 10 percent fair, 43 percent good, and 44 percent excellent. **Soybean** blooming reached 93 percent complete, compared to 100 percent last year and the five-year average of 100 percent. Soybean setting pods reached 80 percent, compared with 91 percent last year and the five-year average of 91 percent. Two percent of soybeans were reported to be dropping leaves, compared to 21 percent last year and the five-year average of 12 percent. Condition of the soybean crop was rated 1 percent very poor, 2 percent poor, 13 percent fair, 53 percent good, and 31 percent excellent. There were some reports of soybean sudden death syndrome observed last week.

Tobacco: Eighty-two percent of Burley tobacco was topped, compared to 81 percent last year and the five-year average of 90 percent. Forty-one percent of burley tobacco has been cut, compared to 32 percent last year and 43 percent for the five-year average. Ninety-five percent of dark tobacco was topped, compared to 100 percent last year and 100

percent for the five-year average. Thirty-five percent of dark tobacco was cut, compared to 37 percent last year and the five-year average of 44 percent. Condition of set tobacco was rated as 4 percent very poor, 11 percent poor, 26 percent fair, 45 percent good, and 14 percent excellent. Condition of housed tobacco was rated at 4 percent poor, 21 percent fair, 66 percent good, and 9 percent excellent. Twenty-one percent of respondents reported evidence of houseburn.

Other: Pasture condition was reported as 1 percent very poor, 4 percent poor, 18 percent fair, 56 percent good, and 21 percent excellent. Pastures still remain in mostly good to excellent condition, however, field and hay conditions are continuing to decline in locations that have not received as much rain.

CROP PROGRESS for week ending 09/01/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Corn Dough	85	72	99	92
Corn Dent	66	48	92	80
Corn Mature	22	8	77	46
Corn Harvested	1	N/A	35	12
Soybeans Blooming	93	86	100	100
Soybeans Setting Pods	80	66	91	91
Soybeans Dropping Leaves	2	N/A	21	12
Dark Tobacco Topped	95	89	100	100
Dark Tobacco Cut	35	21	37	44
Burley Tobacco Topped	82	71	81	90
Burley Tobacco Cut	41	27	32	43

SOIL MOISTURE for week ending 09/01/13

	Very Short	Short	Adequate	Surplus
Topsoil	1	16	73	10
Subsoil	1	15	75	9

CROP CONDITIONS for week ending 09/01/13

Crop	Very Poor	Poor	Fair	Good	Ex
Corn	1	2	10	43	44
Soybeans	1	2	13	53	31
Pasture	1	4	18	56	21
Tobacco Set	4	11	26	45	14
Tobacco Housed	-	4	21	66	9

KENTUCKY WEATHER SUMMARY, AUGUST 26 - SEPTEMBER 1, 2013:

Above Normal Temperatures and Rainfall:

Very hot and humid conditions took control of the Bluegrass State this past week. Statewide average temperatures were 4 degrees above normal as high temperatures stayed in the upper 80s to low 90s for much of the week. This was the first week since mid-July that the state had an above normal period of temperatures. The livestock heat stress index stayed in the danger to emergency category on nearly a daily basis. While it was hot, the combination of surface high pressure at the surface and aloft, kept the state locked into a mostly dry pattern through the first half of the work week. This ridge then began to break down going into the latter half, allowing for some upper level disturbances to rotate around the periphery into Kentucky. This allowed for isolated to scattered coverage before more pronounced activity Saturday and into the overnight. This led the way in the Commonwealth averaging 1.3 inches over the course of the week, which was over a half inch above normal.

Temperatures for the period averaged 78 degrees across the state which was 4 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 86 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 69 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 5 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at MORGANFIELD 4E and the extreme low was 54 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 1.30 inches statewide which was 0.56 inches above normal and 176% of normal. Precipitation totals by climate division, West 1.20 inches, Central 1.55 inches, Bluegrass 1.52 inches and East 0.95 inches, which was 0.53, 0.77, 0.79 and 0.17 inches above normal. By station, precipitation totals ranged from a low of 0.07 inches at BIG SANDY to a high of 3.86 inches at SHELBYVILLE 10W.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 1, 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.	From Norm	Last Week	Since Apr 1	Dev. Since Apr 1
	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)	(Degrees F)
Bardstown	3.12	26.15	7.27	+5.10	+3.74	93	63	78	+6	197	2937	-55
Berea	1.02	27.66	5.11	+6.10	+1.50	88	59	76	+5	182	2775	-278
Bowling Green	1.09	30.75	6.97	+8.95	+3.79	93	63	80	+8	207	3318	+210
Bristol	0.43	29.68	4.84	+11.34	+1.97	90	56	75	+4	178	2781	-67
Buckhorn Lake	0.14	24.80	5.86	+4.18	+2.56	86	59	76	+5	179	2813	+100
Cape Girardeau	0.00	20.40	3.49	+0.16	+0.33	95	67	80	+6	213	3210	-31
Campbellsville	2.61	29.34	5.12	+5.16	+0.99	90	61	77	+5	188	2843	-185
Covington	1.59	23.53	3.44	+3.97	+0.43	95	61	79	+8	205	2955	+152
Cumberland Gap	0.58	30.19	5.50	+7.34	+1.63	90	59	77	+6	186	2873	+47
Dix Dam	1.06	33.82	6.40	+12.22	+2.89	91	65	78	+7	194	2856	-129
Evansville	1.45	22.13	2.81	+2.62	0.00	97	65	81	+7	220	3212	+124
Glasgow	0.86	29.69	5.32	+6.01	+1.68	92	63	78	+6	198	3027	+13
Grayson	2.57	24.05	4.74	+3.62	+1.38	87	57	75	+4	174	2739	+64
Hardinsburg	0.77	23.46	3.62	+1.82	+0.21	95	64	80	+8	208	2992	-125
Henderson	1.21	20.93	2.09	+0.95	-0.79	97	67	82	+8	222	3103	-40
Huntington	2.13	22.98	5.15	+2.46	+1.63	90	59	77	+6	188	3000	+134
Jackson	0.88	30.88	9.85	+9.10	+6.24	88	62	76	+5	186	2883	+170
Lexington	2.14	31.89	5.14	+10.84	+1.61	91	66	79	+8	201	3044	+141
London	0.57	29.22	3.78	+9.23	+0.78	92	62	78	+7	195	2854	-9
Louisville	0.87	20.51	3.25	+0.04	+0.06	96	70	83	+11	233	3383	+291
Mayfield	0.91	34.94	6.17	+13.06	+2.70	91	67	79	+5	200	3128	-16
Nashville	0.41	23.50	2.31	+3.14	-0.82	96	65	81	+9	216	3399	+85
Nolin Lake	0.67	27.31	5.48	+4.44	+2.07	93	65	80	+8	210	3249	+378
Paducah	0.21	25.21	3.84	+3.56	+0.81	96	71	82	+8	223	3216	+13
Princeton	1.72	29.28	6.05	+7.26	+2.45	92	68	79	+5	202	3070	-126
Quicksand	1.35	25.08	5.76	+3.30	+2.15	88	59	76	+5	182	2853	+140
Somerset	1.89	26.47	4.58	+3.87	+1.03	89	60	76	+5	182	2794	-103
Spindletop	1.87	30.03	3.68	+8.98	+0.15	87	63	76	+5	180	2718	-185
Williamstown	1.87	27.28	3.94	+6.58	+0.58	91	64	78	+7	193	2794	-45

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/>