



**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

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Released weekly April - November

Issued 4:00 P.M., October 28, 2013

31-13

Agricultural News: Kentucky experienced very cool conditions last week. Precipitation for the week totaled 0.14 inches, 0.58 in below normal. Temperature for the week averaged 45 degrees, 10 degrees cooler than normal. **Topsoil moisture** was rated 1 percent very short, 10 percent short, 80 percent adequate and 9 percent surplus. **Subsoil moisture** was rated 1 percent very short, 12 percent short, 79 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 5.0 out of a possible seven. Primary activities this week included harvesting corn and harvesting soybeans.

Crops: As of Sunday, October 27, all of Kentucky's **corn** crop had reached the mature stage. Seventy-six percent of corn has been harvested, compared to 96 percent last year and the five-year average of 89 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 5 percent fair, 38 percent good, and 54 percent excellent. Ninety-one percent of **soybeans** were reported to be shedding leaves, compared to 99 percent last year and the five-year average of 100 percent. Seventy-six percent of soybeans were considered mature, compared to 92 percent last year and the five-year average of 95 percent. Thirty-eight percent of the soybean crop has been harvested, compared to 68 percent last year and 65 percent for the five-year average. Condition of the soybean crop was rated 1 percent very poor, 2 percent poor, 8 percent fair, 51 percent good, and 38 percent excellent.

Tobacco: Eighteen percent of burley tobacco has been stripped, compared to 18 percent last year and 19 percent for the five-year average. Condition of housed tobacco was rated at 1 percent very poor, 4 percent poor, 20 percent fair, 57 percent good, and 18 percent excellent.

Other Crops and Pasture: **Winter wheat** seeded was reported at 34 percent, compared to 58 percent last year and 54 percent for the five-year average. Eleven percent of the winter wheat crop has emerged. Condition of winter wheat was reported as 1 percent poor, 21 percent fair, 57 percent good, and 21 percent excellent. **Pasture** condition was reported as 1 percent very poor, 5 percent poor, 24 percent fair, 52 percent good, and 18 percent excellent.

CROP PROGRESS for week ending 10/27/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Mature	100	97	100	100
Corn Harvested	76	65	96	89
Soybeans Dropping Leaves	91	80	99	100
Soybeans Mature	76	61	92	95
Soybeans Harvested	38	25	68	65
Winter Wheat Seeded	34	22	58	54
Winter Wheat Emerged	11	N/A	N/A	N/A
Burley Tobacco Stripped	18	13	18	19

SOIL MOISTURE for week ending 10/27/13

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	1	10	80	9
Subsoil	1	12	79	8

CROP CONDITIONS for week ending 10/27/13

Crop	Very Poor				
	Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	2	5	38	54
Soybeans	1	2	8	51	38
Pasture	1	5	24	52	18
Wheat	-	1	21	57	21
Tobacco Housed	1	4	20	57	18

KENTUCKY WEATHER SUMMARY, OCTOBER 21 – 27, 2013:

Well Below Normal Temperatures and Rainfall:

Extremely cool conditions gradually settled across the Commonwealth this past week as multiple cold fronts passed through the state. Each front was accompanied by only light showers and resulted in minimal accumulations across the area. Kentucky as a whole only averaged 0.14 inches over the period, which was over a half inch below normal. This made for the third straight week the Bluegrass State has been below average. High temperatures dropped into the mid 40s to low 50s by Wednesday and stayed that way through the end of the work week. The coldest temperatures were felt Friday and Saturday morning as surface high pressure of Arctic origin moved into the Ohio Valley. A combination of skies clearing and winds going calm allowed for the coldest temperatures of the season with lows plummeting into the mid to upper 20s each night. Some locations even dropped into the lower 20s. This was around 20 degrees below normal as lows are normally in the mid 40s at this point in the year. This essentially brought the growing season to an end across the area. Breezy southwesterly flow then commenced on Saturday allowing for temperatures to rebound back into the 50s for the remainder of the weekend.

Temperatures for the period averaged 45 degrees across the state which was 10 degrees cooler than normal and 12 degrees cooler than the previous period. High temperatures averaged from 57 in the West to 55 in the East. Departure from normal high temperatures ranged from 12 degrees cooler than normal in the West to 13 degrees cooler than normal in the East. Low temperatures averaged from 35 degrees in the West to 35 degrees in the East. Departure from normal low temperature ranged from 10 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. The extreme high temperature for the period was 71 degrees at LOUISA 1S and the extreme low was 21 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 0.14 inches statewide which was 0.58 inches below normal and 20% of normal. Precipitation totals by climate division, West 0.08 inches, Central 0.13 inches, Bluegrass 0.15 inches and East 0.22 inches, which was 0.72, 0.59, 0.51 and 0.46 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at HENDERSON 5E to a high of 0.54 inches at LOUISA 1S.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, OCTOBER 27, 7:00 P.M.

Weather Station	Rainfall		Dev. From Norm		Air Temperature			Relative Humidity		Average		
	Since Last Week	Last Week	Norm April 1	Norm Four Wks.	Since Apr 1	Last 4 Wks.	High	Low	Wkly. Avg.	From Normal	High Low	
	(Inches)		(Degrees Fahrenheit)									
Bardstown	0.02	31.21	3.35	+4.83	+1.00	66	24	45	-10	97	32	
Berea	0.24	30.63	1.99	+2.76	-0.58	67	23	43	-11	88	38	
Bowling Green	0.16	37.80	2.80	+9.77	+0.05	70	26	47	-8	100	32	
Bristol	0.00	31.82	0.61	+8.07	-1.75	69	22	46	-8	100	39	
Buckhorn Lake	0.23	27.09	0.60	+0.47	-1.98	69	28	45	-9	92	32	
Cape Girardeau	0.03	23.41	2.57	-2.89	-0.16	67	24	47	-10	100	30	
Campbellsville	0.24	34.31	3.14	+2.90	+0.24	67	23	44	-11	96	53	
Covington	0.20	31.69	4.54	+6.86	+1.95	66	28	43	-11	100	38	
Cumberland Gap	0.09	35.01	1.39	+6.31	-1.59	68	23	45	-9	100	39	
Dix Dam	0.09	37.65	2.58	+10.26	-0.02	67	26	45	-9	92	35	
Evansville	0.01	27.90	4.85	+3.02	+2.25	67	28	46	-11	93	29	
Glasgow	0.13	33.22	1.90	+3.16	-0.85	69	26	46	-9	100	33	
Grayson	0.25	29.31	4.12	+3.62	+1.42	67	24	44	-10	96	42	
Hardinsburg	0.04	28.69	2.75	+0.86	-0.03	68	23	44	-11	100	44	
Henderson	0.02	26.91	4.63	+1.17	+2.09	67	27	46	-11	93	29	
Huntington	0.23	26.49	1.81	+0.68	-0.86	69	30	45	-9	100	34	
Jackson	0.31	33.65	1.52	+5.94	-1.13	69	29	45	-9	100	30	
Lexington	0.06	37.63	4.11	+11.25	+1.76	68	29	45	-9	92	35	
London	0.11	34.44	2.85	+8.69	+0.33	69	25	46	-8	93	31	
Louisville	0.01	30.78	7.86	+4.90	+5.39	70	30	47	-8	92	29	
Mayfield	0.12	41.62	3.08	+12.76	-0.20	67	29	48	-9	96	42	
Nashville	0.12	29.17	1.51	+3.23	-0.89	72	28	50	-5	100	34	
Nolin Lake	0.19	31.06	2.10	+1.35	-0.80	71	25	48	-7	100	33	
Paducah	0.01	33.04	4.94	+5.21	+2.20	68	29	49	-8	92	32	
Princeton	0.04	36.68	3.77	+8.78	+1.00	67	25	46	-11	96	42	
Quicksand	0.28	28.06	1.29	+0.35	-1.36	69	23	44	-10	96	42	
Somerset	0.26	29.37	1.33	+0.05	-1.65	67	25	44	-10	100	30	
Spindletop	0.10	38.03	5.80	+11.65	+3.45	64	26	43	-11	99	35	
Williamstown	0.15	34.10	3.70	+7.72	+0.99	66	29	43	-11	96	42	