



**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 cool and wet conditions last week. Precipitation for the week totaled 1.57 inches, 0.74 in above normal. Temperature for the week averaged 68 degrees, near normal. **Topsoil moisture** was rated 3 percent very short, 23 percent short, 66 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 1 percent very short, 20 percent short, 72 percent adequate, and 7 percent surplus. Days suitable for fieldwork averaged 5.4 out of a possible seven. Primary activities this week included harvesting tobacco, preparing equipment for grain harvest, and harvesting corn.

Crops: As of Sunday, September 22, 94 percent of **corn** reached the dent stage, compared to 100 percent last year and the five-year average of 98 percent. Seventy-four percent of corn reached the mature stage, compared with 96 percent last year and the five-year average of 85 percent. Twenty-five percent of corn has been harvested, compared to 69 percent last year and the five-year average of 44 percent. Condition of the corn crop was rated as 1 percent very poor, 1 percent poor, 7 percent fair, 46 percent good, and 45 percent excellent. The average moisture content of corn being harvested was at 21 percent. Twenty-eight percent of **soybeans** were reported to be shedding leaves, compared to 58 percent last year and the five-year average of 55 percent. Eight percent of soybeans were considered mature, compared to 33 percent last year and the five-year average of 26 percent. One percent of the soybean crop has been harvested, compared to 13 percent last year and the five-year average of 6 percent. Condition of the soybean crop was rated 1 percent very poor, 2 percent poor, 12 percent fair, 55 percent good, and 30 percent excellent. Farmers reported 59 percent of the soybean crop was safe from frost damage. There were some reports of damage to the soybean crop due to lodging.

Tobacco: Seventy-four percent of burley tobacco has been cut, compared to 69 percent last year and 76 percent for the five-year average. Seventy-six percent of dark tobacco was cut, compared to 79 percent last year and the five-year average of 77 percent. Condition of housed tobacco was rated at 1 percent very poor, 4 percent poor, 22 percent fair, 59 percent good, and 14 percent excellent.

Other: Pasture condition was reported as 3 percent very poor, 8 percent poor, 24 percent fair, 48 percent good, and 17 percent excellent. There were some reports that while hay production has been abundant, the quality is low due to delayed harvest and rain.

CROP PROGRESS for week ending 09/22/13

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Dent	94	89	100	98
Corn Mature	74	63	96	85
Corn Harvested	25	14	69	44
Soybeans Dropping Leaves	28	15	58	55
Soybeans Mature	8	0	33	26
Soybeans Harvested	1	N/A	13	6
Burley Tobacco Cut	74	62	69	76
Dark Tobacco Cut	76	66	79	77

SOIL MOISTURE for week ending 09/22/13

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	3	23	66	8
Subsoil	1	20	72	7

CROP CONDITIONS for week ending 09/22/13

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	1	7	46	45
Soybeans	1	2	12	55	30
Pasture	3	8	24	48	17
Tobacco Housed	1	4	22	59	14

KENTUCKY WEATHER SUMMARY, SEPTEMBER 16 - 22, 2013:

Near Normal Temperatures and Above Normal Rainfall:

Autumn-like temperatures continued across the Bluegrass State this past period, but the passage of a strong cold front made for a particularly wet weekend. The state averaged 1.57 inches over the course of the week, which was the wettest period since early August. Surface high pressure to the north kept the Bluegrass State locked in a dry pattern to start out the work week. Then conditions began to turn unsettled as a mid-level disturbance passed through the state early on Wednesday bringing the first round of rainfall for the week. Rainfall was then scattered in nature through the remainder of the work week, before a cold front passed through the Commonwealth over the first half of the weekend. Extremely moist conditions for this time of the year made for an exceptional rainfall event. Soaking rains led to average rainfall totals over an inch. A narrow corridor extending through central and bluegrass portions of the state received more than 2 inches. Cool temperatures and dry air then descended into the Bluegrass State for the remainder of the weekend. Lows in the mid 40s to around 50 were common Saturday night.

Temperatures for the period averaged 68 degrees across the state which near normal and 4 degrees cooler than the previous period. High temperatures averaged from 79 in the West to 75 in the East. Departure from normal high temperatures ranged from 2 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 60 degrees in the West to 58 degrees in the East. Departure from normal low temperature ranged from 3 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 89 degrees at VANCEBURG 6W and the extreme low was 45 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.57 inches statewide which was 0.74 inches above normal and 189% of normal. Precipitation totals by climate division, West 1.61 inches, Central 1.70 inches, Bluegrass 2.00 inches and East 0.96 inches, which was 0.76, 0.79, 1.25 and 0.14 inches above normal. By station, precipitation totals ranged from a low of 0.51 inches at MONTICELLO AWOS to a high of 3.81 inches at SHELBYVILLE 10W.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 22, 7:00 P.M.

Weather Station	Rainfall			Dev. From		Air Temperature			Relative Humidity		
	Since Last	Last Four	Norm Since	Norm Last	Dev. From			Average			
	Week	Wks.	Apr 1	4 Wks.	High	Low	Wkly. Avg.	Normal	High	Low	
	(Inches)			(Degrees Fahrenheit)							
Bardstown	1.56	27.72	4.69	+4.43	+1.58	85	47	68	+1	97	40
Berea	0.63	28.64	2.00	+4.28	-1.71	84	45	65	-1	88	38
Bowling Green	1.48	34.89	5.23	+10.48	+1.82	86	50	70	+3	96	42
Bristol	0.85	31.01	1.76	+10.39	-1.24	83	50	66	0	100	51
Buckhorn Lake	0.94	26.43	1.77	+3.25	-1.62	82	48	66	0	100	38
Cape Girardeau	0.44	20.84	0.44	-1.90	-2.85	89	46	71	+2	100	43
Campbellsville	1.32	30.78	4.05	+3.35	-0.24	84	50	67	0	96	53
Covington	3.45	27.08	5.14	+5.51	+2.38	86	50	68	+2	100	40
Cumberland Gap	1.47	33.49	3.88	+8.48	+0.78	83	52	66	0	100	51
Dix Dam	1.21	35.05	2.29	+11.06	-0.97	85	47	67	+1	97	40
Evansville	0.34	22.50	1.82	+0.91	-0.96	88	50	71	+2	100	10
Glasgow	1.38	31.21	2.38	+4.81	-1.25	85	51	70	+3	100	42
Grayson	0.81	25.19	3.71	+2.83	+0.97	83	47	64	-2	84	54
Hardinsburg	1.94	25.41	2.72	+1.21	-0.69	87	49	69	+2	100	44
Henderson	0.79	21.72	2.00	-0.68	-1.15	88	48	70	+1	100	10
Huntington	1.17	24.68	3.83	+2.20	+1.01	86	51	65	-1	100	45
Jackson	0.83	32.12	2.12	+7.88	-1.24	82	50	66	0	97	54
Lexington	1.49	33.52	3.77	+10.23	+0.66	86	49	68	+2	97	40
London	1.43	31.22	2.57	+8.80	-0.62	83	50	68	+2	94	45
Louisville	1.86	22.88	3.24	+0.20	+0.24	87	53	71	+4	96	38
Mayfield	1.89	37.24	3.21	+12.58	-0.44	84	52	70	+1	84	54
Nashville	1.62	27.12	4.03	+4.37	+0.86	88	51	72	+5	100	45
Nolin Lake	1.54	28.96	2.32	+3.14	-1.50	87	50	70	+3	100	42
Paducah	0.77	26.03	1.03	+1.79	-2.32	88	49	72	+3	94	38
Princeton	2.33	31.68	4.12	+7.33	+0.90	85	52	70	+1	84	54
Quicksand	0.81	26.74	3.01	+2.50	-0.35	84	51	66	0	84	54
Somerset	1.50	28.00	3.42	+2.60	-0.27	84	47	66	0	100	43
Spindletop	1.63	32.23	4.07	+8.94	+0.96	82	47	64	-2	100	46
Williamstown	3.08	30.38	4.97	+7.45	+1.91	84	48	66	0	84	54

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/>