



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: April 1, 2024

Issue: 05-24

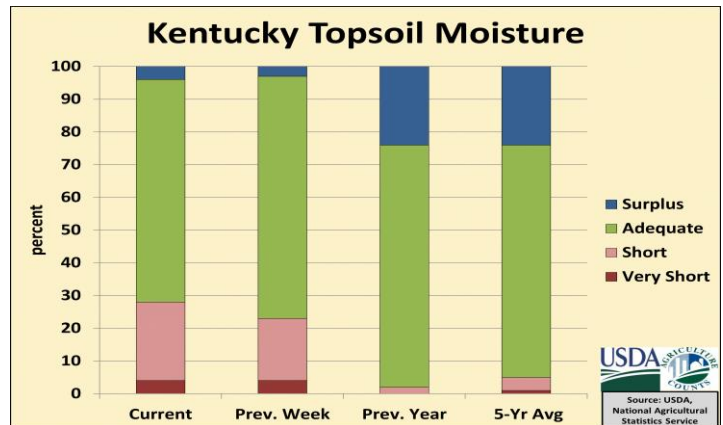
Agricultural News: Kentucky experienced well above normal temperatures and below normal precipitation over the past week. Precipitation for the week totaled 0.62 inches, 0.41 inches below normal. Temperatures averaged 56 degrees for the week, 6 degrees above normal. **Topsoil moisture** was rated 4 percent very short, 24 percent short, 68 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 4 percent very short, 25 percent short, 68 percent adequate, and 3 percent surplus. Days suitable for fieldwork averaged 5.5 out of a possible seven.

Primary activities this week included preparing fields for the planting season and seeding tobacco transplants. Despite warmer than average temperatures, portions of the state are still dipping below freezing overnight and experiencing light frosts. Most fieldwork is focused on spreading fertilizer, spraying herbicide, and general cleaning up of the fields. Favorable conditions have allowed planting of corn and soybeans to begin in some instances. Seeding of tobacco transplants is on pace with last year at 35 percent. Winter wheat conditions have improved slightly from earlier in March, with 1 percent reporting as poor, 11 percent as fair, 75 percent as good, and 13 percent as excellent. Relatively warm weather has also helped reduce the impact of freeze damage on the crop, with 5 percent reporting moderate damage, 22 percent light damage, and 73 percent experiencing none at all. Alfalfa hay freeze damage was reported as 1 percent severe, 3 percent moderate, 25 percent light, with 71 percent experiencing none.

Pasture is in generally good condition. 2 percent reported very poor conditions, 9 percent poor, 22 percent fair, 62 percent good, and 5 percent excellent. Currently most of Western Kentucky is considered abnormally dry, which is likely causing some difficulty for greening up of pastures. Cattle and calves obtained approximately 35 percent of feed from pastures, but a majority are still receiving hay.

SOIL MOISTURE for week ending 04/07/24

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	4	24	68	4
Subsoil	4	25	68	3



CROP PROGRESS for week ending 04/07/24

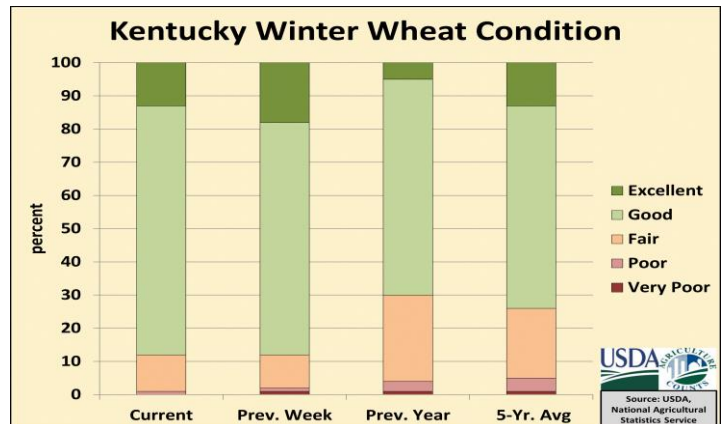
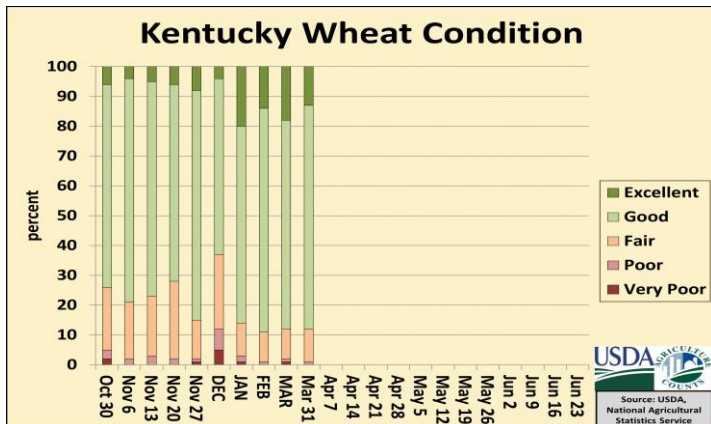
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	2	-	2	-
Soybeans Planted	2	-	1	-
Tobacco Transplants Seeded	35	-1	-1	-1
Winter Wheat Headed	1	-	1	-

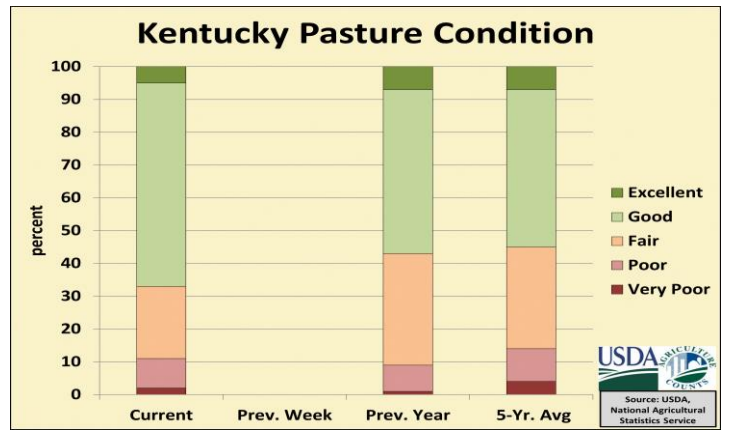
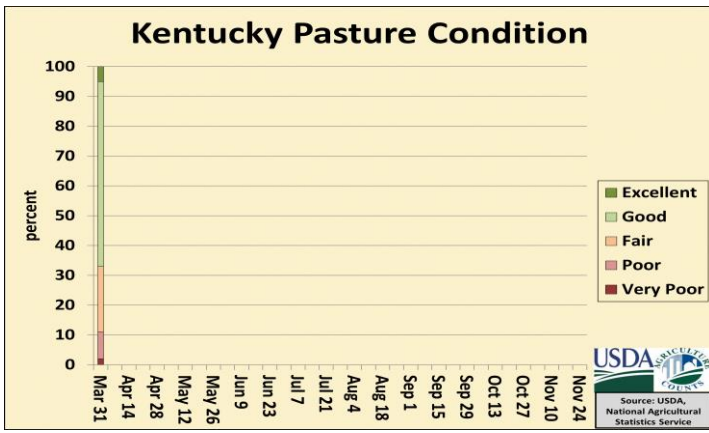
- Represents zero.
-1 Shown when data not available.

CROP CONDITIONS for week ending 04/07/24

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Livestock	1	5	20	62	12
Pasture	2	9	22	62	5
Wheat	-	1	11	75	13

- Represents zero.





Kentucky Climate Summary
For the Period March 25, 2024 to March 31, 2024

Well Above Normal Temperatures and Below Normal Precipitation:

The final week of March mirrored the month as a whole, characterized by relatively dry and warm conditions. It began and ended with highs jumping into the 60s and 70s, with a short bout of below-normal temperatures in-between. Normal high temperatures for this time of year run in the upper 50s to middle 60s. Preliminary data from the Ag Weather Center suggest March 2024 could place in the top 15 warmest Marches ever recorded. Precipitation-wise, the state only averaged 0.62 inches, most of which fell as a frontal system moved through the area to start the workweek. This was roughly four tenths of an inch below normal and just added to deficits that have accrued over the course of March. Overall, the state has only averaged 2.63 inches for the month. Much of Western, Central, and Southeastern Kentucky are running 1-2+ inches below normal over that timespan. The driest area resides across Western KY, where portions of the Pennyryle and Green River regions saw less than 1.5 inches. In doing so, the entirety of Western KY is now deemed abnormally dry on the U.S. Drought Monitor.

Temperatures for the period averaged 56 degrees across the state which was 6 degrees warmer than normal and 12 degrees warmer than the previous period. High temperatures averaged from 68 in the West to 67 in the East. Departure from normal high temperatures ranged from 5 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. Low temperatures averaged from 46 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 8 degrees warmer than normal in the East. The extreme high temperature for the period was 81 degrees at HENDERSON 5E and the extreme low was 23 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 0.62 inches statewide which was 0.41 inches below normal and 60% of normal. Precipitation totals by climate division, West 0.70 inches, Central 0.51 inches, Bluegrass 0.64 inches and East 0.65 inches, which was 0.35, 0.54, 0.4 and 0.33 inches below normal. By station, precipitation totals ranged from a low of 0.08 inches at WHITESBURG 2NW to a high of 1.53 inches at PADUCAH ASOS

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 03/31/24 7 P.M.^

County	Weather Station	Rainfall			Deviation From		Air Temperatures				2" Weekly Soil Temps		
		Last Week	Since Jan 1	Last Four Wks.	Norm. Since Jan 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.*	Hi	Lo	Avg
		Inches	Inches	Inches	Inches	Inches	Degree s F	Degree s F	Degree s F	Degrees F	Degrees F	Degrees F	Degrees F
Western KY													
Caldwell	Princeton(M)	0.65	9.50	1.06	-3.12	-3.22	77	30	55	2			
Christian	Hopkinsville(M)	0.46	10.19	1.03	-2.18	-3.27	78	33	56	4	66	51	59
Daviess	Owensboro(AP)	0.22	7.68	0.79	-3.18	-3.19	80	32	58	7			
Fulton	Hickman(M)	1.37	13.19	3.39	0.60	-0.78	77	32	56	3			
Marshall	Benton(M)	0.79	9.59	1.71	-5.55	-3.25	77	29	56	3	63	50	56
McCracken	Paducah(AP)	1.53	12.69	2.56	0.10	-1.61	78	32	59	6			
McLean	Calhoun(M)	0.31	9.27	0.82	-3.96	-3.92	78	29	55	1	73	41	56
Todd	Elkton(M)	0.50	9.98	1.30	-2.39	-3.00	77	28	54	2			
Union	Morganfield(M)	0.36	8.85	2.44	-2.01	-1.54	81	30	57	6			
Central KY													
Barren	Glasgow(M)	0.55	11.39	2.08	-1.54	-2.03	77	31	55	4			
Breckinridge	Hardinsburg(M)	0.19	11.19	2.07	-0.87	-1.94	78	29	55	5	66	45	55
Clinton	Albany(M)	1.06	14.90	2.70	-0.66	-2.14	77	31	54	5	68	47	57
Hardin	Elizabethtown(M)	0.26	12.27	2.14	0.21	-1.87	77	28	54	4	58	45	51
Hart	Munfordville(M)	0.56	12.80	2.77	-0.60	-1.72	76	32	55	0	60	48	54
Jefferson	Louisville(AP)	0.45	10.34	2.13	-1.20	-2.03	79	35	59	7			
Taylor	Campbellsville(M)	0.68	13.49	2.44	0.84	-1.98	76	29	55	4			
Warren	Bowling_Green(AP)	0.39	10.98	1.80	-1.42	-2.27	79	33	58	5			
Bluegrass													
Boone	Cinci./NKY(AP)	0.57	10.49	2.67	-0.27	-1.11	76	26	53	5			
Boyle	Danville(M)	0.62	12.84	2.85	0.81	-1.43	75	28	54	3	64	44	55
Fayette	Lexington(AP)	0.77	14.16	3.20	2.47	-0.84	76	31	56	6			
Franklin	Frankfort(M)	0.57	12.38	3.06	0.86	-1.19	76	27	53	3	59	46	52
Madison	Richmond(M)	0.48	12.13	1.98	0.10	-2.30	74	28	52	1			
Mason	Maysville(M)	0.83	10.86	3.61	-1.06	-0.68	73	28	52	5	58	44	52
Eastern KY													
Breathitt	Jackson(AP)	0.41	13.44	2.62	0.56	-1.62	77	36	58	6			
Harlan	Harlan(M)	0.60	14.50	3.41	1.69	-0.84	64	27	47	-1	59	41	49
Lawrence	Louisa(M)	0.96	11.87	3.10	0.77	-0.85	78	32	54	5			
Pike	Pikeville(M)	0.20	10.37	2.88	-0.73	-1.07	74	31	52	3			
Pulaski	Somerset(M)	1.33	13.24	2.51	1.21	-1.77	75	29	52	1			
Rowan	Morehead(M)	1.00	12.62	2.70	0.76	-1.44	73	28	52	4			

Climate narrative and data table provided by the University of Kentucky Agricultural Weather Center: (859) 218-4363.

^ : Data Courtesy: (M) - Kentucky Mesonet Station: <http://www.kymesonet.org/>

(AP) - Airport, Federal Aviation Administration Surface Weather Observation Station (ASOS/AWOS)

* : Deviations based on closest available station with climate normals: http://weather.uky.edu/climate_normals.php