



Crop Progress and Condition

USDA, NASS, Kentucky Field Office

David Knopf, Director
601 W Broadway, Rm 645
Louisville, Kentucky 40201-1120
(502) 907-3250 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:

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

Released: August 1, 2022

Issue: 22-22

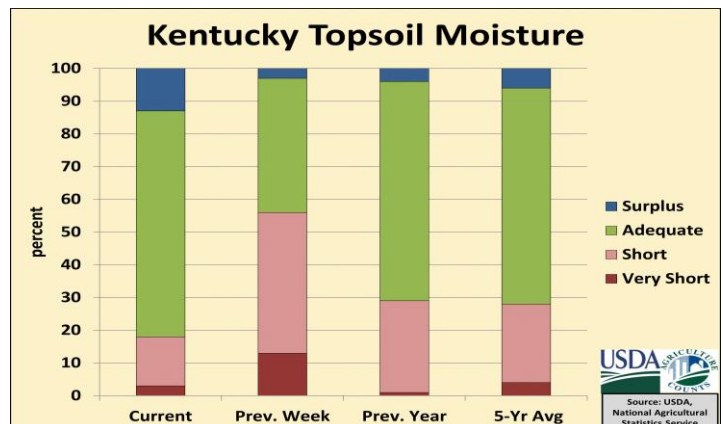
Agricultural News: Kentucky experienced near normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 3.21 inches, 2.23 inches above normal. Temperatures averaged 76 degrees for the week, near normal. **Topsoil moisture** was rated 3 percent very short, 15 percent short, 69 percent adequate, and 13 percent surplus. **Subsoil moisture** was rated 5 percent very short, 22 percent short, 64 percent adequate, and 9 percent surplus. Days suitable for fieldwork averaged 3.4 out of a possible seven.

Primary activities for this week included spraying, cutting hay, topping tobacco, and monitoring field crops. The state received heavy rain through much of the the week. The Eastern part of the state was hit the heaviest with a tremendous amount of flood damage. Crops were completely destroyed in the areas hit the hardest. For other areas, the rain was lighter and improved crop conditions substantially. Corn is 88 percent silking while 61 percent of the crop is in the milk stage. Forty percent of corn is doughing at this juncture with 20 percent in the dent stage. Corn condition has improved overall as much of the grain resides in the western part of the state which received less heavy precipitation. With that said, for some the rain is too little, too late. Concern for corn yields linger for many producers. A good deal of pollination in the corn crop occurred during the drought period and was stunted. There were some reports of corn benefitting greatly from the rain, but the improvement is a direct correlation with when it was planted. Sixty-eight percent of soybeans are blooming with 46 percent of the crop setting pods. Much like corn, the overall condition of soybeans has improved as much of the grain heavy areas avoided heavy flooding. Tobacco is 60 percent blooming at this time as 34 percent of the crop has been topped. The condition of tobacco has improved with recent rain.

Pasture regrowth has been aided by recent rain and thus overall condition has improved. There are areas that remain dry and farmers have supplemented with hay in those places. Hay supply is rated as 2 percent very short, 18 percent short, 70 percent adequate, and 10 percent surplus. The quality of harvested hay is mostly good, but yields have been adversely affected by the dry summer. Overall hay condition is mostly good as well.

SOIL MOISTURE for week ending 07/31/22

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	15	69	13
Subsoil	5	22	64	9



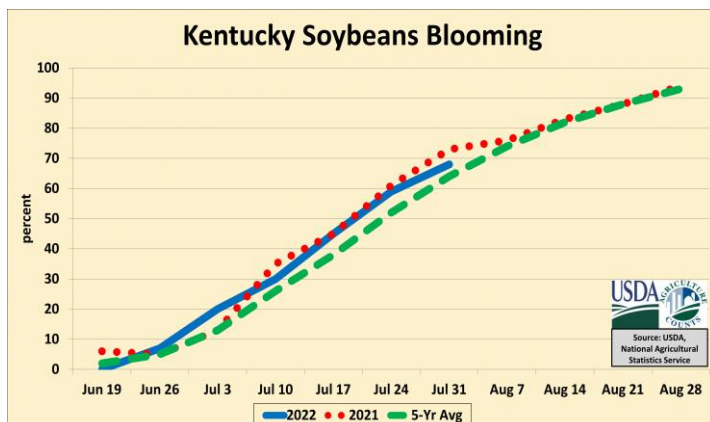
CROP PROGRESS for week ending 07/31/22

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	88	76	90	88
Corn Milked	61	41	61	62
Corn Dough	40	24	35	41
Corn Dent	20	4	14	18
Soybeans Blooming	68	59	73	64
Soybeans Setting Pods	46	31	51	42
Tobacco Blooming	60	42	59	60
Tobacco Topped	34	16	30	35

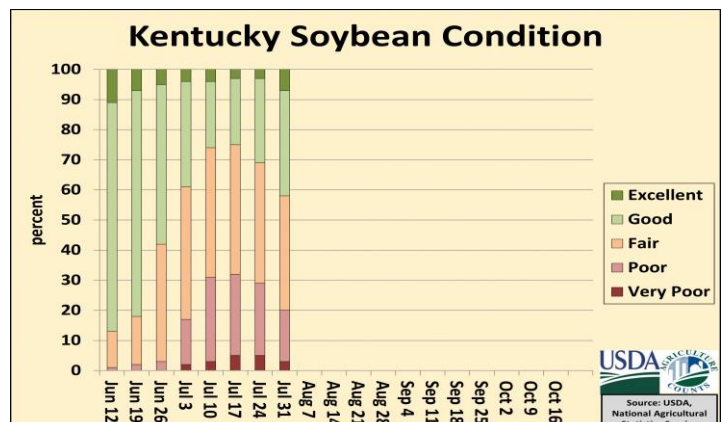
CROP CONDITIONS for week ending 07/31/22

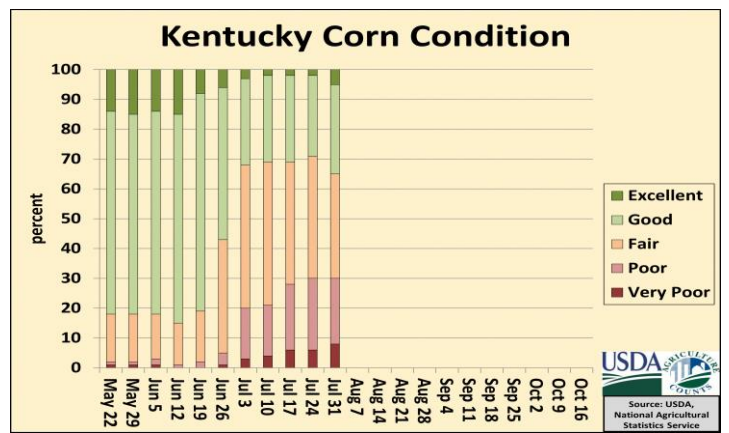
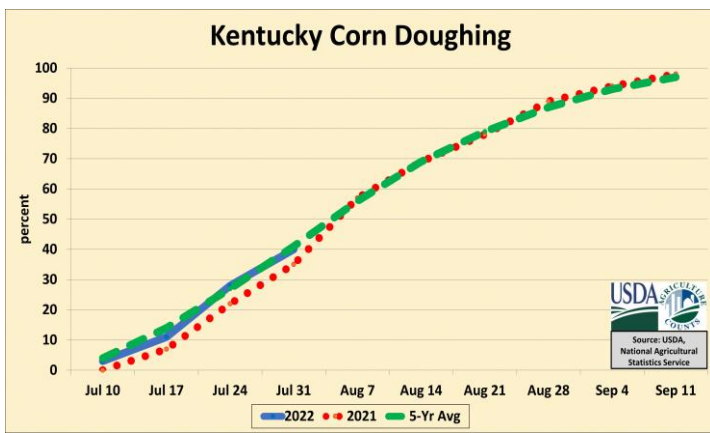
Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	8	22	35	30	5
Hay	1	6	35	49	9
Hay Harvested Quality	2	7	26	55	10
Livestock	1	3	28	59	9
Pasture	3	15	37	37	8
Soybeans	3	17	38	35	7
Tobacco Set	2	7	42	45	4

Kentucky Soybeans Blooming



Kentucky Soybean Condition





**Kentucky Climate Summary
For the Period July 25, 2022 to July 31, 2022**

Near Normal Temperatures and Much Above Normal Rainfall:

Natural disasters have been no stranger to Kentucky in recent years and unfortunately, another was added to the list this past week. A large section of Eastern KY saw anywhere from 5 to 10+ inches of rain, which led to tremendous loss in some communities. Throughout the week, the state saw near daily rounds of showers and storms as a frontal boundary stalled across the region. Storms were capable of producing torrential rainfall and repetitive rounds led to excessive flooding. The worst of the flooding occurred Wednesday night/Thursday morning for those Eastern KY communities, where a large portion of the above totals fell within a few hours. Looking at the state as a whole, Kentucky averaged 3.21 inches for the week. Many saw more than two inches. The one exception was across the Purchase region of Western KY, where totals were in the 0.5 to 1.5 inch range.

Temperatures for the period averaged 76 degrees across the state which was near normal and 4 degrees cooler than the previous period. High temperatures averaged from 85 in the West to 82 in the East. Departure from normal high temperatures ranged from 4 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. Low temperatures averaged from 72 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 5 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 95 degrees at FORT CAMPBELL and the extreme low was 56 degrees at CARLISLE 5SW.

Precipitation (liq. equ.) for the period totaled 3.21 inches statewide which was 2.23 inches above normal and 328% of normal. Precipitation totals by climate division, West 2.37 inches, Central 3.38 inches, Bluegrass 2.66 inches and East 4.42 inches, which was 1.43, 2.4, 1.69 and 3.4 inches above normal. By station, precipitation totals ranged from a low of 0.48 inches at MAYFIELD 6SW to a high of 10.36 inches at JACKSON 3SE.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/31/22 7 P.M.^**

County	Weather Station	Rainfall			Deviation From		Air Temperatures				Growing Degree Days		
		Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1*	Norm. Last 4 Wks.*	High	Low	Wkly. Avg.	Dev. 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
Western KY													
Caldwell	Princeton(M)	1.88	15.99	4.17	-2.93	0.10	93	65	77	-1	195	2473	23
Christian	Hopkinsville(M)	1.80	20.45	4.71	1.13	0.36	93	65	77	-1	191	2476	25
Daviess	Owensboro(AP)	3.75	12.47	5.17	-5.38	1.64	89	66	77	0	192	2593	221
Fulton	Hickman(M)	1.06	19.72	5.54	0.87	1.69	91	68	78	-1	199	2629	73
Marshall	Benton(M)	1.97	19.09	3.67	-2.29	-0.59	94	67	78	0	200	2533	14
McCracken	Paducah(AP)	1.47	18.67	3.43	-0.18	-0.42	93	67	80	0	211	2744	188
McLean	Calhoun(M)	5.56	18.19	9.34	-2.04	4.86	88	62	75	-4	178	2339	-277
Todd	Elkton(M)	2.74	16.99	6.02	-2.33	1.67	94	66	78	0	198	2492	41
Union	Morganfield(M)	3.37	15.52	7.29	-2.33	3.76	88	65	76	-1	184	2486	114
Central KY													
Barren	Glasgow(M)	2.17	18.30	5.47	-1.87	0.95	90	66	76	-1	186	2420	119
Breckinridge	Hardinsburg(M)	7.23	20.60	9.09	0.32	5.35	89	62	75	-2	176	2353	87
Clinton	Albany(M)	2.75	22.64	10.05	2.05	5.49	89	67	77	1	193	2319	290
Hardin	Elizabethtown(M)	1.90	16.57	7.88	-3.71	4.14	88	62	75	-2	177	2328	62
Hart	Munfordville(M)	2.02	12.83	5.22	-7.02	0.80	90	66	77	-2	190	2374	-241
Jefferson	Louisville(AP)	3.74	16.15	5.65	-2.15	2.00	92	67	79	0	203	2755	198
Taylor	Campbellsville(M)	3.20	15.53	5.64	-4.12	1.56	89	64	76	0	184	2333	100
Warren	Bowling_Green(AP)	2.90	18.10	6.89	-0.53	3.07	94	69	80	0	207	2776	246
Bluegrass													
Boone	Cinci./NKY(AP)	1.52	19.26	4.21	1.48	0.77	88	59	76	0	180	2314	263
Boyle	Danville(M)	3.43	17.71	6.47	-2.30	1.85	88	63	75	0	178	2301	150
Fayette	Lexington(AP)	3.23	16.11	5.99	-3.83	1.34	89	61	77	0	191	2503	313
Franklin	Frankfort(M)	2.55	18.35	7.05	-0.33	2.81	87	60	74	-2	173	2224	-14
Madison	Richmond(M)	2.74	17.14	5.77	-2.87	1.15	88	61	75	0	181	2216	65
Mason	Maysville(M)	1.94	17.67	4.06	-1.43	-0.59	88	59	75	0	177	2142	145
Eastern KY													
Breathitt	Jackson(AP)	9.89	25.07	13.27	5.01	8.70	87	63	76	0	181	2393	185
Harlan	Harlan(M)	6.81	26.30	13.36	6.54	8.61	76	57	66	-9	117	1396	-716
Lawrence	Louisa(M)	2.61	19.87	8.28	1.65	3.63	85	64	75	0	180	2244	222
Pike	Pikeville(M)	7.94	25.82	12.04	7.60	7.39	78	60	70	-4	140	1885	-137
Pulaski	Somerset(M)	4.37	20.84	8.98	0.83	4.36	88	64	76	1	182	2223	72
Rowan	Morehead(M)	3.43	20.30	6.91	-0.29	1.57	86	59	74	0	170	2073	93

Climate narrative and data table provided by Matthew Dixon, Senior Meteorologist, 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