



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: September 5, 2023

Issue: 27-23

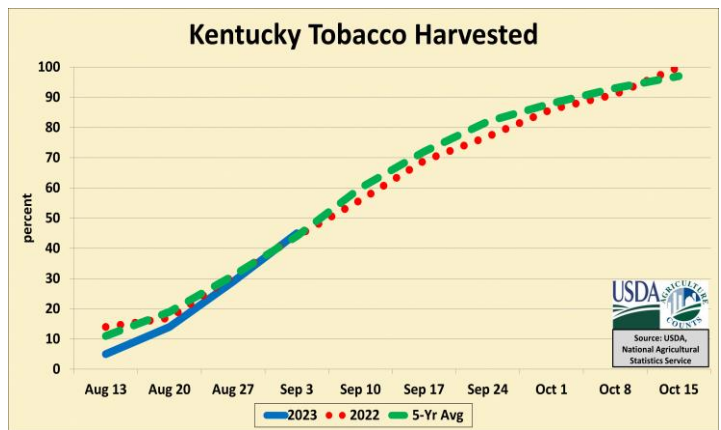
Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.11 inches, 0.65 inches below normal. Temperatures averaged 72 degrees for the week, 2 degrees below normal. **Topsoil moisture** was rated 7 percent very short, 33 percent short, 58 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 5 percent very short, 30 percent short, 63 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 6.4 out of a possible seven.

Primary activities for this week included topping and cutting tobacco along with harvesting corn. Temperatures were mild for the majority of the week offering some reprieve. Heat and humidity moved back in over the weekend as most of the state stayed dry throughout. With favorable conditions, farmers forged ahead in the fields. Corn in the milk stage is at 97 percent as 90 percent of the crop is doughing. Seventy-two percent of corn is in the dent stage with the crop 40 percent mature. The harvest is still in the early stage with 4 percent complete. Ninety-five percent of soybeans are blooming with 88 percent setting pods. Thirty percent of soybeans are coloring at this time as 8 percent are dropping leaves. The condition of both soybeans and corn remains mostly good. Ninety-six percent of tobacco is blooming as overall condition is mostly good. Topping is 89 percent complete with 45 percent of the crop cut.

Pasture condition was helped by the brief cool down, however rain is needed as temperatures climb back up. Livestock condition is mostly good as fall weather should alleviate heat stress. Fall calving has begun for some. The quality of harvested hay is rated mostly good as yields have varied across the state. There were reports of stunted forage growth leading up to second cuttings.

SOIL MOISTURE for week ending 09/03/23

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	7	33	58	2
Subsoil	5	30	63	2



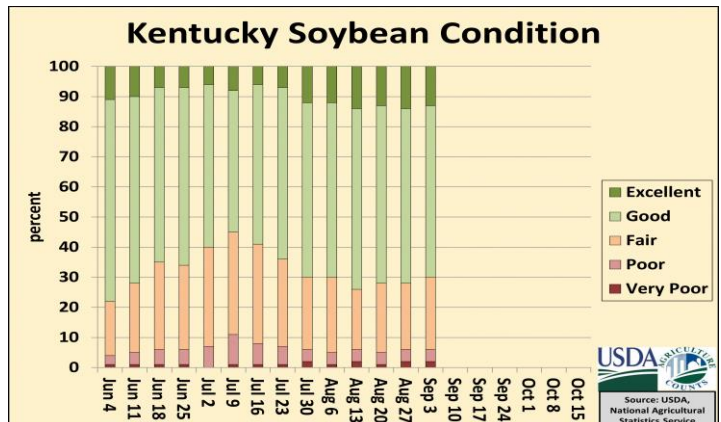
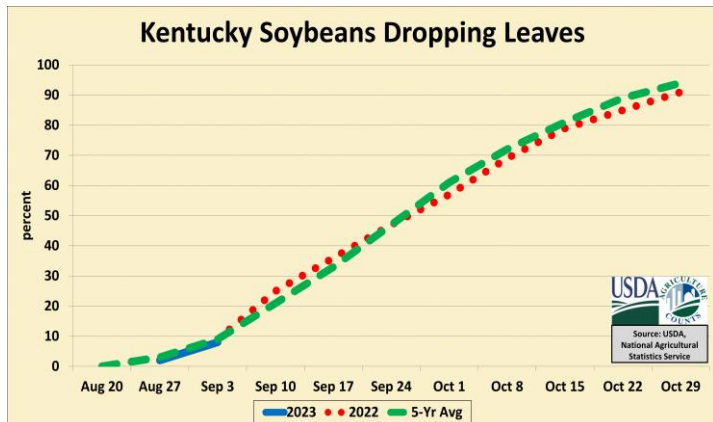
CROP PROGRESS for week ending 09/03/23

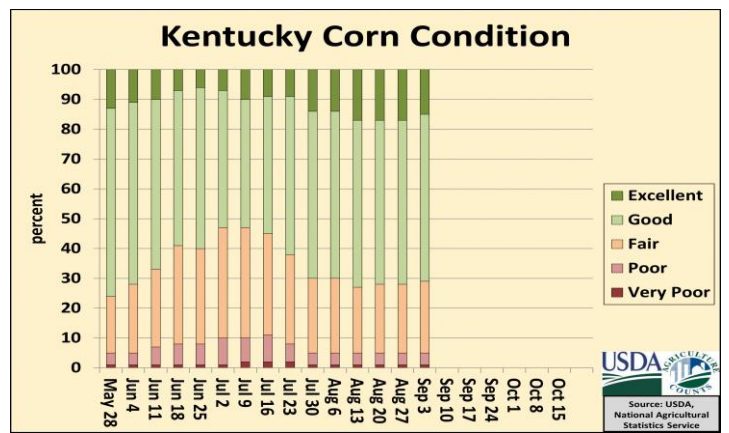
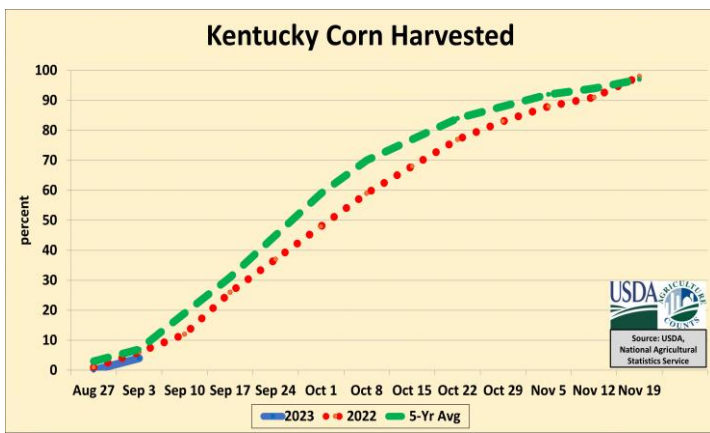
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Milked	97	94	98	97
Corn Dough	90	83	87	88
Corn Dent	72	65	74	76
Corn Mature	40	29	37	46
Corn Harvested	4	-	6	7
Soybeans Blooming	95	92	98	97
Soybeans Setting Pods	88	80	88	87
Soybeans Coloring	30	20	29	29
Soybeans Dropping Leaves	8	2	9	9
Tobacco Blooming	96	94	98	97
Tobacco Topped	89	82	90	87
Tobacco Cut	45	29	44	44

CROP CONDITIONS for week ending 09/03/23

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	4	24	55	16
Hay Harvested Quality	1	14	29	49	7
Livestock	1	2	18	68	11
Pasture	2	8	33	50	7
Soybeans	2	4	24	57	13
Tobacco Set	1	6	22	62	9

- Represents zero.





Kentucky Climate Summary
For the Period August 28, 2023 to September 3, 2023

Below Normal Temperatures and Rainfall:

Precipitation was a scarcity for much of the state. In fact, most across the western half of Kentucky and the Bluegrass didn't see a drop. The only exception was across the Lake Cumberland Region and Southeastern KY, which saw scattered coverage on Monday and Tuesday. Some saw a half to one inch+. Looking at temperatures, surface winds from the north/northeast gave us a break from the extreme heat of the week beforehand. In fact, highs on Wednesday and Thursday only rose into the middle 70s to low 80s. More notably, Kentucky saw low temperatures drop well into the 50s each of those nights. Some even dipped into the upper 40s. Saying that, the tide changed over the weekend as winds shifted back to the southwest, ushering summer-like temperatures and humidity back into the region.

Temperatures for the period averaged 72 degrees across the state which was 2 degrees cooler than normal and 8 degrees cooler than the previous period. High temperatures averaged from 84 in the West to 80 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 62 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 93 degrees at HINDMAN 5N and the extreme low was 49 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 0.11 inches statewide which was 0.65 inches below normal and 15% of normal. Precipitation totals by climate division, West 0.00 inches, Central 0.03 inches, Bluegrass 0.00 inches and East 0.40 inches, which was 0.71, 0.82, 0.72 and 0.34 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALEXANDRIA 5NW to a high of 0.95 inches at JACKSON 3SE.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 09/23/23 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)	3.81	28.30	8.87	6.25	5.60	95	69	80	3	215	2937	-257
Christian	Hopkinsville(M)	1.44	22.03	5.81	-1.08	1.89	95	68	80	3	215	2965	-244
Daviess	Owensboro(AP)	0.60	16.30	3.54	-4.06	0.93	97	72	83	7	231	3126	35
Fulton	Hickman(M)	0.31	29.32	15.35	7.72	12.48	95	71	82	5	224	3201	-122
Marshall	Benton(M)	1.97	22.20	7.53	-2.38	4.18	96	72	82	5	225	3060	-225
McCracken	Paducah(AP)	1.54	26.77	7.23	5.17	4.36	99	72	84	7	240	3369	46
McLean	Calhoun(M)	0.22	21.67	2.71	-0.93	0.21	96	67	79	1	209	2866	-526
Todd	Elkton(M)	1.98	22.88	8.31	-0.23	4.39	95	68	79	2	208	2921	-288
Union	Morganfield(M)	2.67	19.51	5.78	-0.85	3.17	98	69	82	6	226	3065	-26
Central KY													
Barren	Glasgow(M)	0.75	20.18	4.36	-3.30	0.89	95	68	79	3	207	2820	-205
Breckinridge	Hardinsburg(M)	0.25	18.94	2.83	-4.16	-0.11	94	66	79	3	206	2784	-205
Clinton	Albany(M)	0.51	19.75	3.35	-4.53	-0.49	93	66	78	5	199	2678	-10
Hardin	Elizabethtown(M)	1.72	22.00	5.22	-1.10	2.28	93	67	78	2	200	2751	-238
Hart	Munfordville(M)	1.43	22.68	4.73	-0.50	1.26	93	69	79	1	203	2794	-595
Jefferson	Louisville(AP)	0.88	18.55	3.54	-3.05	0.10	99	73	85	7	243	3314	-32
Taylor	Campbellsville(M)	0.48	16.51	2.88	-6.32	-0.43	95	66	79	4	203	2699	-224
Warren	Bowling_Green(AP)	2.07	19.49	5.93	-2.51	2.44	99	72	83	5	234	3271	-37
Bluegrass													
Boone	Cinci./NKY(AP)	0.96	18.85	1.85	-1.96	-1.30	94	67	81	7	214	2725	-5
Boyle	Danville(M)	0.30	15.64	2.35	-7.52	-0.94	95	65	78	4	199	2635	-177
Fayette	Lexington(AP)	1.14	19.36	2.40	-3.87	-1.05	98	67	81	6	217	2984	94
Franklin	Frankfort(M)	0.73	18.27	2.07	-3.18	-0.84	97	64	78	3	202	2604	-345
Madison	Richmond(M)	1.59	20.08	4.54	-3.08	1.25	94	63	77	3	192	2567	-245
Mason	Maysville(M)	0.89	16.94	3.88	-5.13	0.75	92	64	76	2	187	2516	-157
Eastern KY													
Breathitt	Jackson(AP)	2.78	22.86	6.52	-1.04	2.51	91	67	78	4	197	2841	-43
Harlan	Harlan(M)	0.21	18.78	4.08	-5.00	-0.11	79	61	70	-3	144	1598	-1187
Lawrence	Louisa(M)	1.06	15.44	2.57	-5.99	-0.80	97	61	78	4	200	2739	48
Pike	Pikeville(M)	0.91	20.75	3.65	-0.68	0.28	83	64	73	0	166	2215	-476
Pulaski	Somerset(M)	0.31	16.82	4.07	-6.34	0.78	94	63	77	3	189	2556	-256
Rowan	Morehead(M)	2.95	20.48	4.44	-3.53	0.85	93	63	72	0	161	2453	-174

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