



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: nassfoemr@nass.usda.gov

In Cooperation with:

Univ. of KY – Agr'l Weather Center
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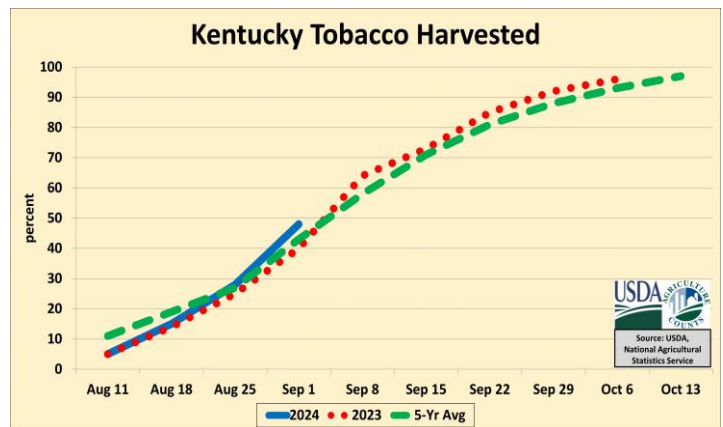
Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled .55 inches, 0.20 inches below normal. Temperatures averaged 80 degrees for the week, 6 degrees above normal. **Topsoil moisture** was rated 20 percent very short, 40 percent short, 39 percent adequate and 1 percent surplus. **Subsoil moisture** was rated 15 percent very short, 46 percent short, 38 percent adequate, and 1 percent surplus. Days suitable for fieldwork averaged 6.6 out of a possible seven.

Primary activities this week included row crop scouting, cutting tobacco, and work on the second cuttings of hay. Abnormally dry conditions are impacting parts of far western and eastern Kentucky. The past week saw multiple days of real temperatures exceed 100 degrees, with heat indexes even higher. Rains over the weekend were spotty and did not provide much widespread relief. These conditions are causing corn and soybeans to mature faster than usual. Currently corn is at 50% of acres mature compared to the five-year average of 37%. Eleven percent of corn acres have been harvested. Soybeans are at 45% coloring and 15% dropping leaves, both of which are ahead of their five-year averages. Yield concerns have been expressed for late planted beans. Currently 61% of the soybean crop is rated as good or excellent which is down from 70% at this time last year. The dry weather also allowed for plenty of tobacco to be cut. 48% of acres are being reported as cut, up substantially from 28% last week. The tobacco crop condition has declined slightly from last week, with 69% being rates as good or excellent.

High temperatures and short moisture have caused declines in pasture condition. Only 46% of pasture is currently rated as good or excellent, down 12% from last week. Operations dealing with stunted pasture growth are relying on hay to supplement feeding. Herds seem to be holding up relatively well with 78% rated as good or excellent. Hay made in the last week was rated as 2% very poor, 6% poor, 22% fair, 60% good, and 10% excellent.

SOIL MOISTURE for week ending 09/01/24

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	20	40	39	1
Subsoil	15	46	38	1

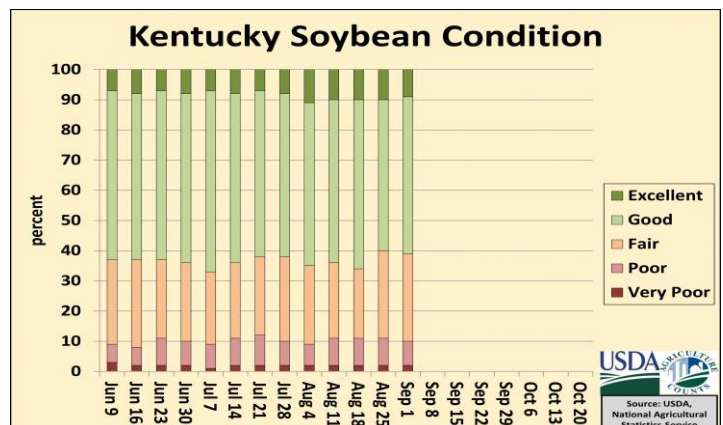
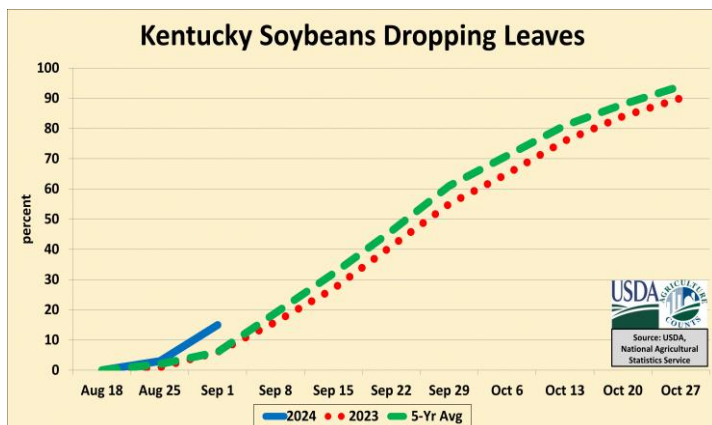


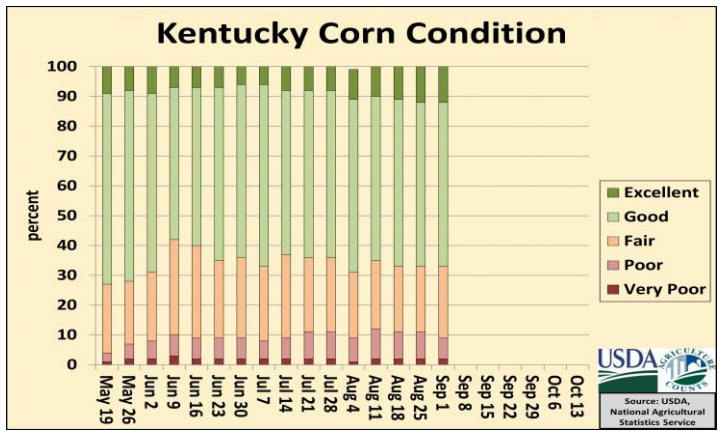
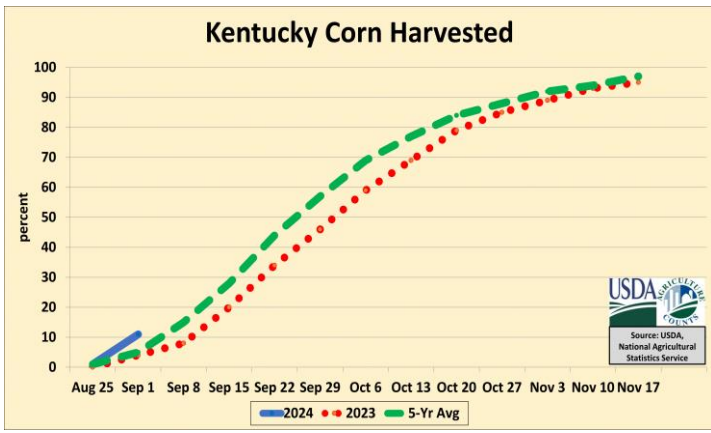
CROP PROGRESS for week ending 09/01/24

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Milked	96	91	96	96
Corn Dough	90	83	88	86
Corn Dent	80	66	70	71
Corn Mature	50	25	37	37
Corn Harvested	11	1	3	4
Soybeans Blooming	96	92	94	95
Soybeans Setting Pods	91	85	86	85
Soybeans Coloring	45	29	27	25
Soybeans Dropping Leaves	15	3	6	6
Tobacco Blooming	97	93	95	96
Tobacco Topped	87	77	87	86
Tobacco Cut	48	28	40	41

CROP CONDITIONS for week ending 09/01/24

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	7	24	55	12
Hay	2	6	22	60	10
Livestock	1	2	19	66	12
Pasture	5	13	36	40	6
Soybeans	2	8	29	52	9
Tobacco Set	1	5	25	66	3





Kentucky Climate Summary
For the Period August 26, 2024 to September 1, 2024

Above Normal Temperatures and Below Normal Rainfall:

Extreme heat was a significant stressor for agriculture throughout most of the week. Highs consistently soared well into the 90s, and even topped 100 at times, which is over 10 degrees above normal for this time of year. Aside from some isolated activity, conditions were mainly dry until the weekend, when showers and storms developed ahead of a stalled frontal boundary. The storms were slow movers, leading to localized high totals. The focus for this activity was mainly across the eastern half of Kentucky. Many across the western half are now running 2-3 inches below normal over the past 30 days. Western KY has only averaged 0.57 inches over that time span as drought conditions continue to expand.

Temperatures for the period averaged 80 degrees across the state which was 6 degrees warmer than normal and 10 degrees warmer than the previous period. High temperatures averaged from 94 in the West to 90 in the East. Departure from normal high temperatures ranged from 7 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. Low temperatures averaged from 68 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 4 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 102 degrees at LOUISVILLE APT and the extreme low was 57 degrees at BURKESVILLE 3W.

Precipitation (liq. equ.) for the period totaled 0.55 inches statewide which was 0.2 inches below normal and 74% of normal. Precipitation totals by climate division, West 0.09 inches, Central 0.51 inches, Bluegrass 0.78 inches and East 0.82 inches, which was -0.61, -0.33, 0.07 and 0.08 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 3.29 inches at MAYSVILLE 3SW.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 09/01/24 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)	0.02	20.69	0.29	-1.83	-2.79	99	63	80	4	215	3406	85
Christian	Hopkinsville(M)	0.03	23.72	0.79	0.01	-3.00	97	67	81	5	217	3415	75
Daviess	Owensboro(AP)	0.19	19.60	0.66	-1.25	-1.97	101	67	83	8	232	3591	377
Fulton	Hickman(M)	0.27	24.22	0.64	2.17	-2.10	98	63	79	3	206	3591	137
Marshall	Benton(M)	0.00	25.88	1.15	0.79	-1.99	98	64	80	4	214	3477	61
McCracken	Paducah(AP)	0.35	23.92	1.17	1.87	-1.57	101	64	82	6	226	3765	311
McLean	Calhoun(M)	0.05	28.22	0.24	5.21	-2.12	97	62	79	2	204	3286	-240
Todd	Elkton(M)	0.00	28.53	0.97	4.82	-2.82	101	60	79	3	208	3309	-31
Union	Morganfield(M)	0.05	22.98	0.21	2.13	-2.42	101	64	81	6	223	3456	242
Central KY													
Barren	Glasgow(M)	0.29	28.70	1.14	4.70	-2.11	97	62	79	4	205	3285	136
Breckinridge	Hardinsburg(M)	1.39	26.78	1.44	3.15	-1.49	96	62	79	4	207	3229	116
Clinton	Albany(M)	0.72	25.85	1.03	0.92	-2.72	96	60	78	6	199	3216	417
Hardin	Elizabethtown(M)	0.04	21.04	0.84	-2.59	-2.09	95	60	78	3	198	3222	109
Hart	Munfordville(M)	1.40	25.52	2.46	1.71	-1.01	96	61	79	2	205	3237	-286
Jefferson	Louisville(AP)	0.01	19.75	0.23	-2.36	-3.04	102	69	86	9	251	3848	367
Taylor	Campbellsville(M)	0.80	24.36	1.19	0.94	-2.09	97	60	79	5	203	3213	171
Warren	Bowling_Green(AP)	0.61	25.28	1.48	2.63	-2.08	101	65	83	6	234	3767	327
Bluegrass													
Boone	Cinci./NKY(AP)	0.18	16.96	1.31	-4.35	-1.72	98	66	82	9	223	3276	430
Boyle	Danville(M)	0.08	20.21	1.73	-3.54	-1.50	96	60	79	6	205	3182	255
Fayette	Lexington(AP)	0.63	20.65	2.14	-3.10	-1.09	98	63	82	8	224	3498	488
Franklin	Frankfort(M)	0.44	19.53	1.35	-2.40	-1.41	98	60	79	5	208	3183	113
Madison	Richmond(M)	0.37	20.43	2.47	-3.32	-0.76	95	58	77	4	190	3073	146
Mason	Maysville(M)	3.28	19.39	4.62	-3.18	1.71	97	62	79	6	208	3110	321
Eastern KY													
Breathitt	Jackson(AP)	0.23	19.30	2.53	-5.13	-1.20	97	67	80	6	212	3346	345
Harlan	Harlan(M)	0.51	20.00	1.82	-4.28	-2.03	80	61	71	-1	148	2040	-861
Lawrence	Louisa(M)	0.36	15.85	1.30	-6.12	-1.91	101	61	79	6	209	3264	459
Pike	Pikeville(M)	0.21	19.66	2.32	-2.31	-0.89	89	65	77	4	193	2713	-92
Pulaski	Somerset(M)	2.59	29.14	3.72	5.39	0.49	95	57	76	3	183	3012	85
Rowan	Morehead(M)	0.98	25.47	4.44	0.88	1.04	93	60	76	4	185	2924	186

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