



Crop Progress and Condition

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In Cooperation with:

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

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Agricultural News: Kentucky experienced near normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.56 inches, 0.56 inches above normal. Temperatures averaged 77 degrees for the week, unchanged from normal. **Topsoil moisture** was rated 6 percent short, 81 percent adequate, and 13 percent surplus. **Subsoil moisture** was rated 9 percent short, 80 percent adequate, and 11 percent surplus. Days suitable for fieldwork averaged 4.2 out of a possible seven.

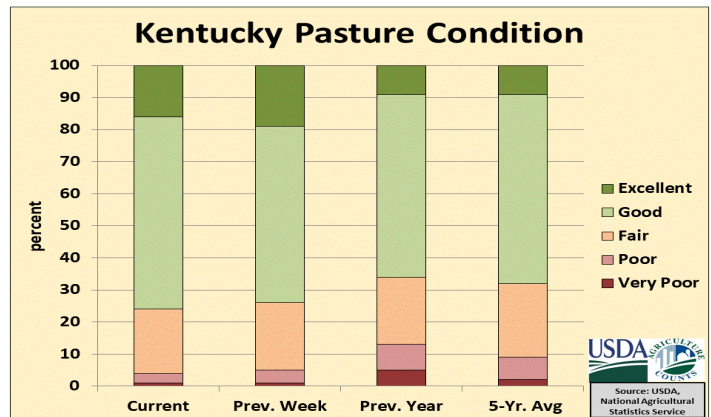
Primary activities for this week included spraying, cutting hay, topping tobacco, and monitoring field crops. Frequent precipitation prevailed throughout this week as temperatures cooled slightly. Rainfall was very heavy at times and led to some flooding in areas of the state. Crops in low-lying areas were particularly susceptible. The persistent rain took a toll on some of the tobacco crop and opened up corn to possible disease. To combat any possibility of adverse crop conditions, farmers have been spraying fungicide. It is also of note that there were reports of strong winds threatening stands of corn. Seventy percent of the corn crop is in the silking stage while 34 percent of the crop is milking. Eight percent of corn is doughing. Forty-six percent of soybeans are blooming while 21 percent are setting pods. Tobacco topping is in the early stages with 29 percent of the crop blooming. The condition of corn, soybeans, and tobacco all remain good at this juncture despite the threat from heavy rain and wind.

Hay cutting was disrupted by the unstable weather this week. With that said, the rain will aid in growth. Pastures are in mostly good condition despite excess mud. Livestock traffic will take a toll on the soft ground, but that may be mitigated by strong growth from recent rain as the weather stabilizes.

SOIL MOISTURE for week ending 07/18/21

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	6	81	13
Subsoil	-	9	80	11

- Represents zero.



CROP PROGRESS for week ending 07/18/21

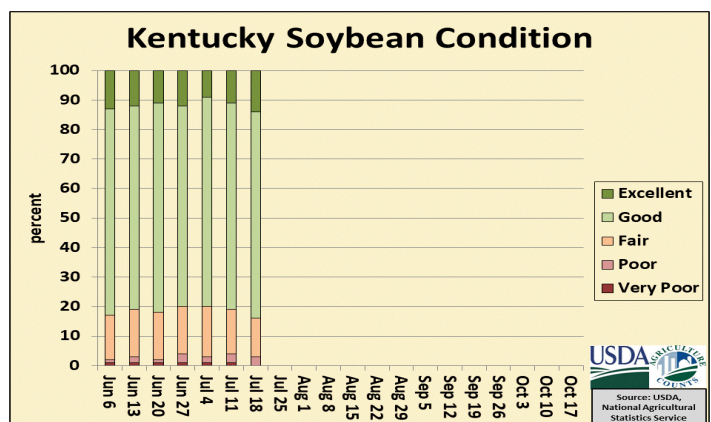
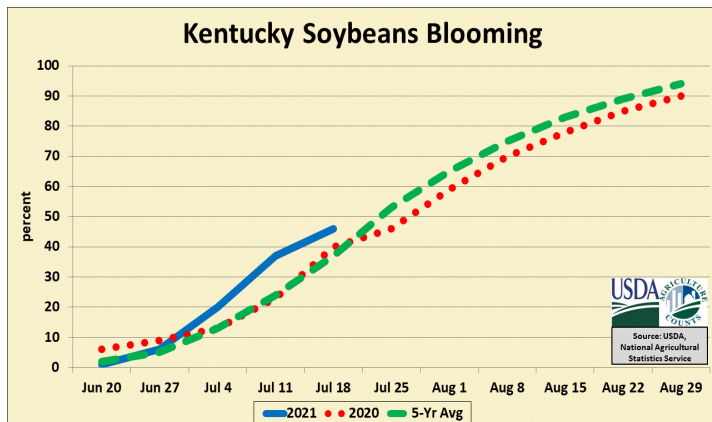
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	70	53	65	73
Corn Milked	34	20	32	38
Corn Dough	8	-	12	17
Soybeans Blooming	46	37	40	37
Soybeans Setting Pods	21	10	23	16
Tobacco Blooming	29	16	30	31
Tobacco Topped	6	-	13	12

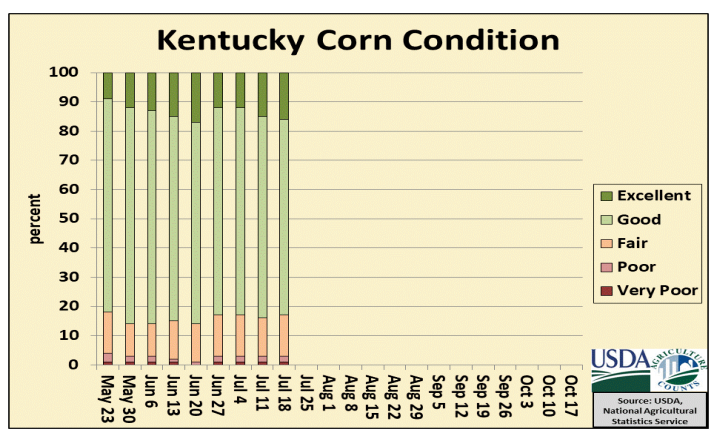
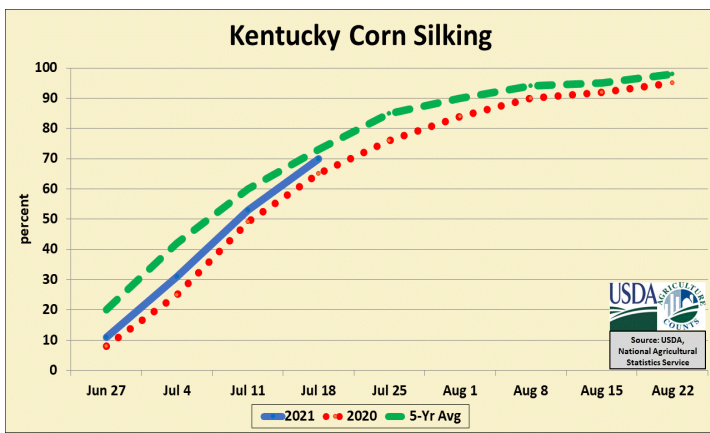
- Represents zero.

CROP CONDITIONS for week ending 07/18/21

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	2	14	67	16
Pasture	1	3	20	60	16
Soybeans	-	3	13	70	14
Tobacco Set	1	6	21	60	12

- Represents zero.





**Kentucky Climate Summary
For the Period July 12, 2021 to July 18, 2021**

Near Normal Temperatures and Above Normal Rainfall:

Kentucky saw another active week with multiple rounds of showers and storms. Just like the previous period, each day featured some amount of rainfall coverage. The highest coverage occurred early in the week and again on Friday/over the weekend with a cold front slowly progressing across the area. Storms were again capable of producing frequent lightning, gusty winds, and torrential rainfall, which in some cases led to localized flooding. The state rainfall average has now run above normal for three straight weeks, which is the first time that has happened in 2021. Over that three-week period, the state has averaged 4.96 inches, which is about 2 inches above normal over that time span. Just to put into perspective, normal rainfall for July in Kentucky is 4.86 inches.

Temperatures for the period averaged 77 degrees across the state which was near normal and no change to the previous period. High temperatures averaged from 85 in the West to 84 in the East. Departure from normal high temperatures ranged from 5 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. Low temperatures averaged from 70 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 92 degrees at BOWLING GREEN APT and the extreme low was 64 degrees at LOUISA 1S.

Precipitation (liq. equ.) for the period totaled 1.56 inches statewide which was 0.56 inches above normal and 156% of normal. Precipitation totals by climate division, West 1.62 inches, Central 1.70 inches, Bluegrass 1.85 inches and East 1.09 inches, which was 0.64, 0.68, 0.87 and 0.06 inches above normal. By station, precipitation totals ranged from a low of 0.08 inches at BARBOURVILLE 3E to a high of 3.40 inches at PADUCAH ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/18/21 4 p.m.**

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
Bardstown	2.85	19.48	8.48	4.57	4.36	88	67	77	1	187	1,815	-95
Berea	0.86	15.18	7.05	-0.41	3.17	88	65	76	1	180	1,608	-348
Bowling Green	1.92	14.99	5.10	-1.19	0.96	92	70	80	4	212	2,071	89
Bristol	1.14	10.75	3.86	-2.50	0.17	92	65	77	2	189	1,618	-182
Buckhorn Lake	0.50	13.51	5.54	-1.31	1.35	88	66	75	0	178	1,682	-45
Cape Girardeau	3.32	18.49	6.59	3.34	3.38	90	68	78	0	197	2,045	-40
Campbellsville	1.68	13.58	5.84	-3.63	1.34	89	66	76	0	184	1,724	-208
Covington	2.22	20.25	6.10	5.92	2.36	88	67	77	2	188	1,768	16
Dix Dam	2.06	19.09	8.70	3.58	4.60	87	68	76	1	184	1,760	-136
Evansville	1.00	12.27	4.17	-2.34	0.66	90	68	78	0	197	1,972	2
Glasgow	2.26	18.62	5.60	1.33	0.98	89	68	77	1	190	1,803	-108
Grayson	0.61	13.06	4.69	-1.49	0.59	88	64	76	1	181	1,680	13
Hardinsburg	0.90	17.74	6.46	2.00	2.43	88	68	77	1	188	1,774	-224
Henderson	1.06	13.75	6.11	-1.22	2.47	89	66	76	-2	185	1,813	-210
Huntington	2.02	20.39	8.59	5.97	4.49	87	64	76	1	182	1,769	-42
Jackson	1.43	13.69	6.36	-1.76	2.04	87	67	77	2	188	1,887	160
Lexington	1.13	19.00	7.32	4.09	3.20	88	67	76	1	183	1,664	-161
London	2.93	17.93	7.73	3.37	3.76	88	67	76	1	184	1,765	-54
Louisville	1.09	16.58	5.28	1.65	1.51	92	72	81	5	216	2,151	198
Mayfield	2.97	20.01	9.47	3.97	5.74	87	67	77	-1	188	1,929	-111
Nashville	2.53	13.67	4.20	-1.46	0.70	94	70	81	5	216	2,196	68
Nolin Lake	1.94	23.52	8.26	6.66	4.02	89	67	77	1	190	1,825	-2
Paducah	3.40	19.73	6.48	3.30	2.70	90	69	79	1	201	2,106	51
Princeton	2.30	22.50	10.23	6.40	6.46	88	68	77	-1	189	1,855	-202
Quicksand	0.79	14.02	6.23	-1.43	1.91	89	66	76	1	181	1,672	-55
Somerset	0.83	16.55	6.63	0.05	2.38	87	64	76	1	178	1,648	-202
Spindletop	1.56	19.04	7.69	4.13	3.57	86	68	76	1	180	1,687	-138
Williamstown	2.14	20.11	5.24	5.15	1.35	86	67	75	0	178	1,622	-167

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.