



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: July 2, 2018

Issue: 18-18

Agricultural News: Kentucky experienced above normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 2.70 inches, 1.72 inches above normal. Temperatures averaged 78 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 4 percent short, 74 percent adequate and 22 percent surplus. **Subsoil moisture** was rated 5 percent short, 78 percent adequate, and 17 percent surplus. Days suitable for fieldwork averaged 3.3 out of a possible seven.

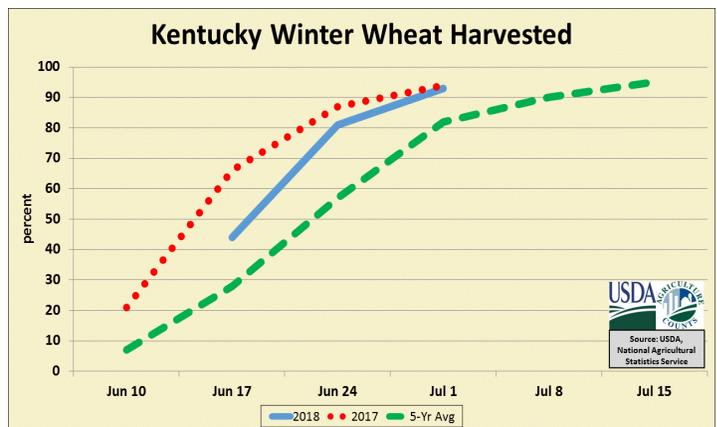
Primary activities this week included harvesting wheat and hay, planting soybeans, spraying fungicides, and scouting fields for damage from recent weather. Heavy rainfall, high winds, heat, and humidity over the past week had varied impacts across the state. Damage reports included crop stress, tobacco laid over from winds, and excessive moisture in pastures and crop fields. Fieldwork was delayed at times as farmers tried to finish up winter wheat harvest and soybean planting. The average height of emerged soybeans was 13 inches, compared with 10 inches last year.

Several reports of hay yields being low and of marginal quality due to over-maturity from harvesting delays. The quality of harvested hay was rated 64% in good to excellent condition. Producers are more optimistic for second cutting yields from recent rains.

SOIL MOISTURE for week ending 07/01/18

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	4	74	22
Subsoil	-	5	78	17

- Represents zero.



CROP PROGRESS for week ending 07/01/18

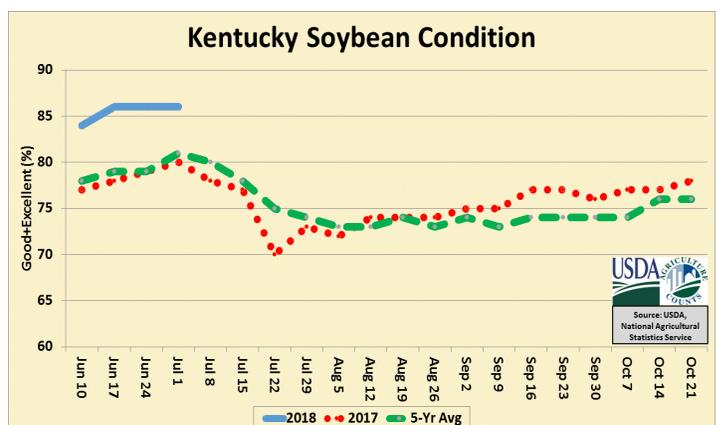
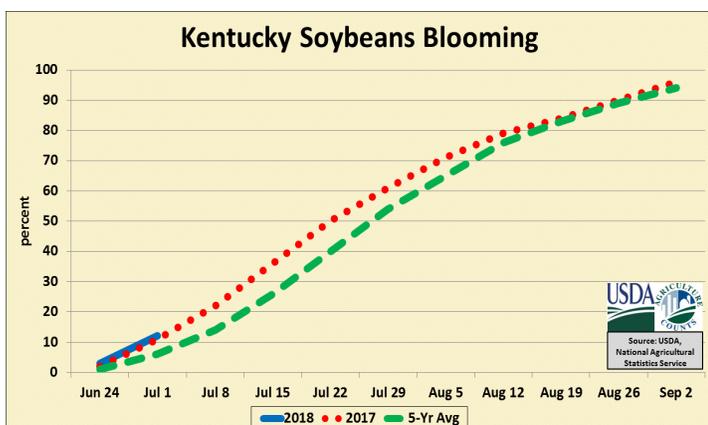
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	44	16	41	26
Corn Milked	10	-	-	-
Soybeans Planted	96	92	97	94
Soybeans Emerged	87	82	89	82
Soybeans Blooming	12	3	11	6
Tobacco Set	97	94	97	96
Tobacco Blooming	6	1	6	5
Winter Wheat Harvested	93	81	94	82

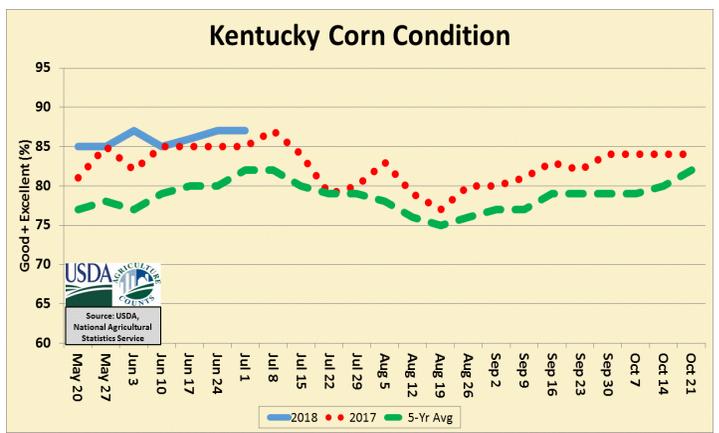
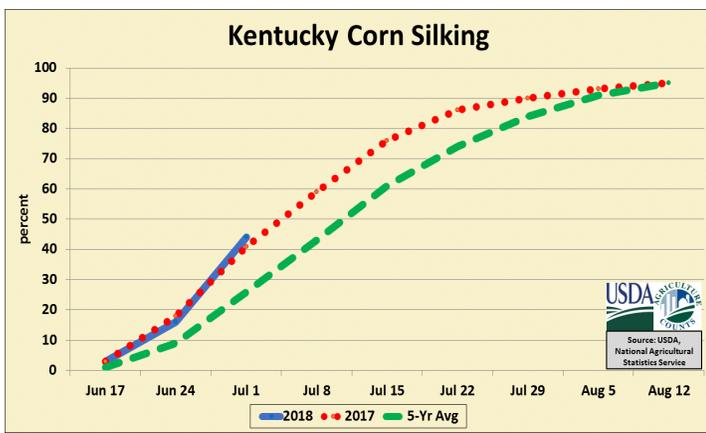
- Represents not available.

CROP CONDITIONS for week ending 07/01/18

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	-	1	12	71	16
Hay Harvested Quality	1	6	29	55	9
Livestock	1	2	16	71	10
Pasture	1	3	22	62	12
Soybeans	-	2	12	69	17
Tobacco Set	1	3	13	73	10

- Represents zero.





**Kentucky Climate Summary
For the Period June 25, 2018 to July 1, 2018**

Above Normal Temperatures and Much Above Normal Rainfall:

Excessively wet conditions were the highlight of the period. Kentucky saw several rounds of storms push through the region over the course of the week. The more intense period lasted from Monday through Thursday with clusters and lines of storms producing torrential rainfall, damaging winds and even a few confirmed tornadoes. Tropical-like downpours and repeated rounds of rainfall led to many bouts of localized flash flooding. Overall, the state averaged 2.70 inches for the week, which is the most Kentucky had seen in one week since February. While there was additional isolated to scattered activity over the weekend, the bigger story was the heat. Temperatures peaked in the low to middle 90s each day. Combined with dew points in the 70s, heat indices topped well over the century mark. This prompted a heat advisory to be issued for much of the western half of Kentucky and led to a ninth straight week of above normal temperatures for the Bluegrass State. The elevated heat continued to pose a concern for livestock as the heat stress index ran in the danger to emergency categories.

Temperatures for the period averaged 78 degrees across the state which was 3 degrees warmer than normal and no change to the previous period. High temperatures averaged from 89 in the West to 85 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to near normal in the East. Low temperatures averaged from 71 degrees in the West to 68 degrees in the East. Departure from normal low temperatures ranged from 5 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at MAYSVILLE 3SW and the extreme low was 61 degrees at PIKEVILLE 13S.

Precipitation (liq. equ.) for the period totaled 2.70 inches statewide which was 1.72 inches above normal and 274% of normal. Precipitation totals by climate division, West 2.97 inches, Central 3.36 inches, Bluegrass 2.09 inches and East 2.37 inches, which was 1.99, 2.39, 1.12 and 1.35 inches above normal. By station, precipitation totals ranged from a low of 0.54 inches at TRIANGLE MOUNTAIN to a high of 6.15 inches at CAPE GIRARDEAU ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/01/18 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
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>				
Bardstown	3.21	14.44	5.59	2.27	2.13	91	67	78	3	193	1,624	136
Berea	2.91	18.45	6.27	5.29	2.57	91	65	76	2	180	1,508	-23
Bowling Green	2.07	11.45	3.16	-2.13	-0.75	94	69	82	7	222	1,865	324
Bristol	0.96	8.37	2.29	-2.51	-1.04	93	65	76	2	184	1,540	145
Buckhorn Lake	2.52	14.01	5.96	1.84	2.07	90	64	75	1	176	1,578	233
Cape Girardeau	5.86	17.86	8.06	4.66	4.82	94	68	81	4	216	1,808	183
Campbellsville	3.11	14.96	5.08	0.70	1.16	90	67	77	2	190	1,542	37
Covington	1.48	10.83	3.03	-1.18	-0.56	92	67	78	4	195	1,608	272
Cumberland Gap	3.42	14.50	4.99	1.18	0.99	91	65	76	2	185	1,548	159
Dix Dam	2.17	18.40	6.55	5.61	3.09	90	67	77	3	187	1,584	112
Evansville	3.72	18.72	8.46	6.33	5.19	92	70	80	3	214	1,767	242
Glasgow	3.76	14.33	5.29	-0.05	0.98	89	62	78	3	196	1,678	198
Grayson	0.79	20.10	6.21	8.21	2.60	90	64	76	2	180	1,489	204
Hardinsburg	4.00	15.31	6.96	2.19	3.40	91	67	79	4	204	1,698	139
Henderson	3.87	14.23	4.95	1.50	1.41	92	69	80	3	210	1,814	234
Huntington	1.89	11.95	4.50	0.23	1.01	94	65	77	3	188	1,592	193
Jackson	2.67	15.20	4.78	2.63	1.17	92	65	76	2	186	1,652	307
Lexington	1.89	16.13	3.76	3.96	0.30	94	68	78	4	196	1,670	267
London	3.60	17.03	7.64	5.08	4.23	92	66	77	3	186	1,592	180
Louisville	2.59	14.70	5.16	2.24	1.90	94	70	81	6	220	1,909	402
Mayfield	2.84	15.71	5.61	2.14	2.43	91	67	80	3	211	1,788	175
Nashville	0.69	10.76	3.09	-2.19	-0.25	94	70	82	7	223	1,892	223
Nolin Lake	2.89	13.33	3.98	-0.76	0.29	91	68	79	4	204	1,743	321
Paducah	2.19	17.48	4.45	3.34	0.67	93	68	81	4	216	1,894	293
Princeton	5.22	17.39	7.66	3.64	4.06	92	66	80	3	208	1,766	152
Quicksand	3.50	15.22	5.80	2.65	2.19	92	65	77	3	188	1,547	202
Somerset	3.99	18.97	7.97	5.15	4.00	91	67	76	2	185	1,549	106
Spindletop	4.31	21.84	7.14	9.67	3.68	93	69	78	4	196	1,666	263
Williamstown	2.06	17.13	5.67	4.65	2.13	90	67	76	2	178	1,514	136

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.