



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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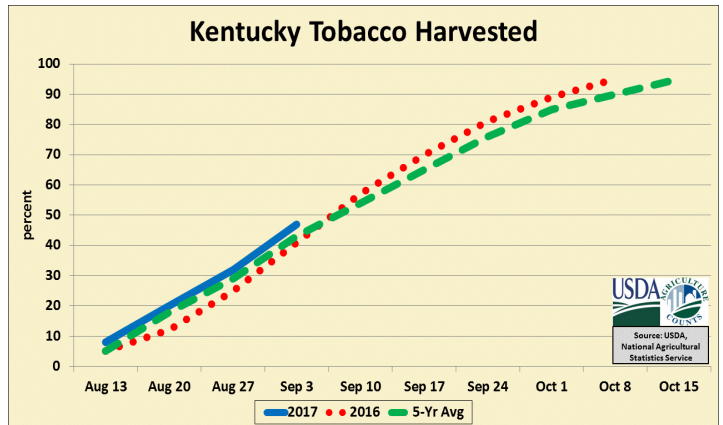
Issue: 27-17

Agricultural News: Kentucky experienced below normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 3.25 inches, 2.50 inches above normal. Temperatures averaged 69 degrees for the week, 5 degrees below normal. **Topsoil moisture** was rated 2 percent very short, 15 percent short, 69 percent adequate and 14 percent surplus. **Subsoil moisture** was rated 4 percent very short, 16 percent short, 69 percent adequate, and 11 percent surplus. Days suitable for fieldwork averaged 4.5 out of a possible seven.

Primary activities for the week including harvesting hay, cutting and topping tobacco, and the beginning of the corn harvest. A good deal of rain brought on by Hurricane Harvey covered most of the state by the weekend. The steady rainfall was much needed in a few dry areas, however some portions of the state had flooding and high winds to the detriment of field crops. There were several reports of damage to the tobacco crop, but it was not widespread.

SOIL MOISTURE for week ending 09/03/17

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	15	69	14
Subsoil	4	16	69	11



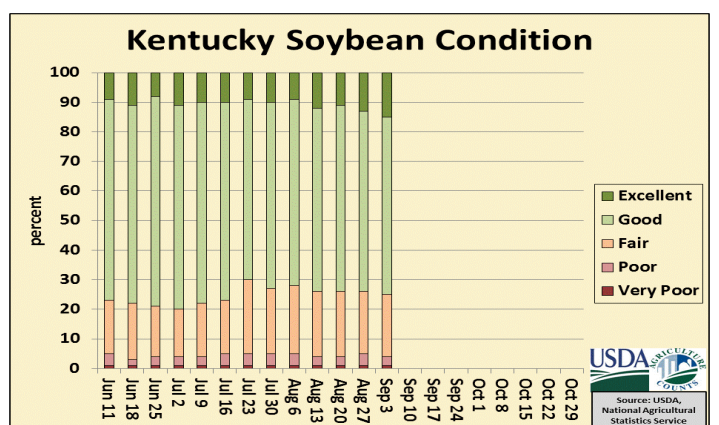
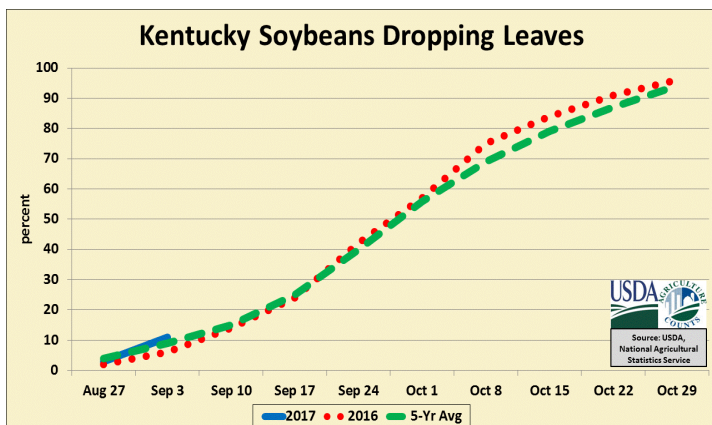
CROP PROGRESS for week ending 09/03/17

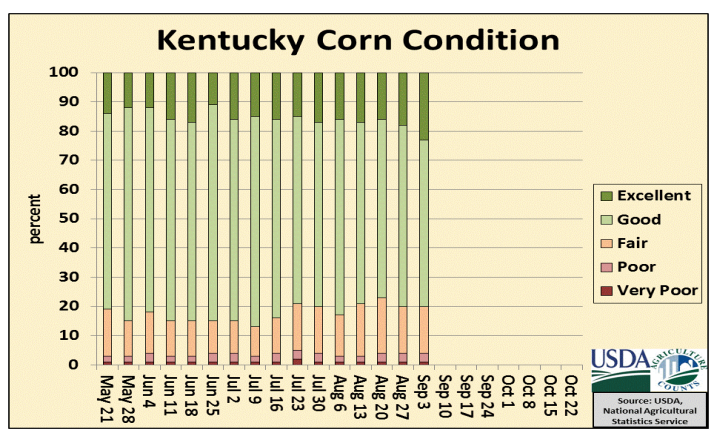
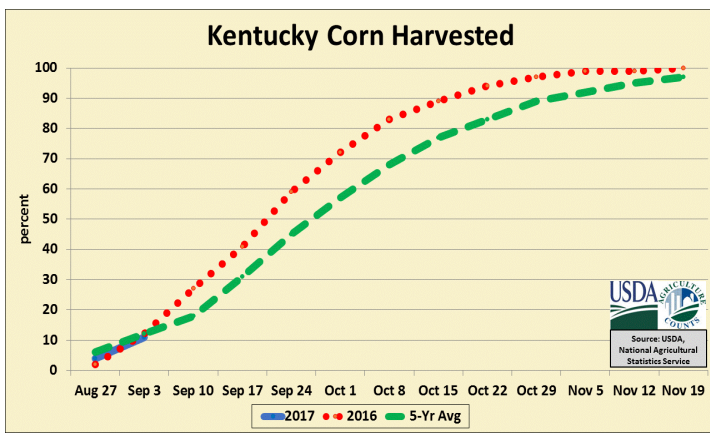
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Milked	96	93	98	97
Corn Dough	92	86	92	92
Corn Dent	81	71	83	79
Corn Mature	52	39	54	49
Corn Harvested	11	4	12	12
Soybeans Blooming	96	90	97	96
Soybeans Setting Pods	86	79	89	87
Soybeans Coloring	29	17	24	-
Soybeans Dropping Leaves	11	3	6	9
Tobacco Blooming	95	92	96	-
Tobacco Topped	88	80	88	87
Tobacco Cut	47	32	41	43

- Represents not available

CROP CONDITIONS for week ending 09/03/17

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	3	16	57	23
Hay Harvested Quality	1	5	23	58	13
Livestock	1	2	16	65	16
Pasture	2	6	22	62	8
Soybeans	1	3	21	60	15
Tobacco Set	4	6	25	54	11





**Kentucky Climate Summary
For the Period August 28, 2017 to September 3, 2017**

Below Normal Temperatures and Much Above Normal Rainfall:

The remnants of Hurricane Harvey brought a tremendous amount of rainfall in a short period of time. Showers from the system started lifting through the area Thursday morning and lasted into Saturday. The heaviest activity occurred from Thursday night and lasted through the day on Friday. Widespread moderate to locally heavy showers were most prevalent across Central Kentucky, where combined with activity earlier in the week, averaged nearly 5.5 inches. This was over 4.5 inches above normal and more than what would typically be seen during the entire month of September. A number of locations even recorded over 7 inches. While Central Kentucky saw the brunt of the activity, most everyone saw significant rainfall for the week as the state averaged 3.25 inches. This was by far the wettest week of 2017 in Kentucky and highest average total since early July of 2016. This amount of rainfall in such a short period led to numerous flood warnings over the course of the event. Winds also increased with 30 to 40+ mph wind gusts from time to time. The combination of precipitation and low clouds led to very cool temperatures both Friday and Saturday with many not getting out of the 60s for highs. This pushed Kentucky to the fourth week out of the past five with temperatures averaging below normal.

Temperatures for the period averaged 69 degrees across the state which was 5 degrees cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 81 in the West to 75 in the East. Departure from normal high temperatures ranged from 6 degrees cooler than normal in the West to 10 degrees cooler than normal in the East. Low temperatures averaged from 61 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from 3 degrees cooler than normal in the West to near normal in the East. The extreme high temperature for the period was 89 degrees at CAPE GIRARDEAU ASOS and the extreme low was 49 degrees at CAPE GIRARDEAU ASOS.

Precipitation (liq. equ.) for the period totaled 3.25 inches statewide which was 2.5 inches above normal and 436% of normal. Precipitation totals by climate division, West 2.89 inches, Central 5.37 inches, Bluegrass 2.80 inches and East 1.94 inches, which was 2.21, 4.57, 2.07 and 1.17 inches above normal. By station, precipitation totals ranged from a low of 0.00 inches at CAPE GIRARDEAU ASOS to a high of 9.47 inches at GLASGOW 11W.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 09/03/17 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	3.76	22.50	5.34	1.24	1.85	85	51	68	-3	128	3,145	116
Berea	2.15	27.38	8.03	5.55	4.41	82	51	67	-4	121	2,924	-168
Bowling Green	6.94	31.63	10.00	9.58	6.80	85	52	71	0	148	3,536	390
Bristol	0.61	15.79	4.70	-2.77	1.82	84	57	69	-2	132	3,074	189
Buckhorn Lake	1.76	28.19	7.17	7.32	3.86	80	56	67	-4	121	2,971	223
Cape Girardeau	0.00	24.07	1.65	3.59	-1.52	89	49	71	-2	148	3,446	166
Campbellsville	6.14	28.97	8.78	4.48	4.63	83	53	67	-4	122	3,034	-33
Covington	2.18	26.46	3.94	6.71	0.95	83	54	67	-4	120	2,966	128
Cumberland Gap	0.96	26.36	6.06	3.30	2.26	83	56	70	-1	137	3,065	203
Dix Dam	4.49	24.11	7.66	2.28	4.17	82	51	67	-4	118	3,060	36
Evansville	0.92	26.58	1.75	6.87	-1.06	87	54	72	-1	155	3,444	318
Glasgow	9.47	31.87	12.59	7.93	8.95	84	50	69	-2	132	3,252	199
Grayson	1.28	28.88	4.54	8.27	1.24	81	53	67	-4	118	2,814	105
Hardinsburg	3.14	23.38	4.49	1.50	1.08	86	51	70	-1	142	3,206	49
Henderson	1.21	17.77	3.07	-2.44	0.17	85	54	71	-2	144	3,340	158
Huntington	3.31	25.66	6.59	4.95	3.13	84	58	69	-2	130	3,076	174
Jackson	3.32	28.94	6.63	6.93	3.04	81	57	68	-3	128	3,131	383
Lexington	3.02	25.75	6.18	4.49	2.69	83	55	68	-3	124	3,196	256
London	1.65	31.82	7.30	11.60	4.28	83	54	69	-2	130	3,110	211
Louisville	4.22	23.40	7.62	2.72	4.45	88	55	71	0	147	3,653	523
Mayfield	2.29	25.98	4.80	3.83	1.31	84	52	70	-3	142	3,346	162
Nashville	4.64	16.43	6.52	-4.16	3.39	87	54	71	0	148	3,582	225
Nolin Lake	7.94	29.94	9.30	6.79	5.85	89	52	72	1	156	3,612	704
Paducah	1.46	24.76	2.32	2.86	-0.74	87	53	73	0	158	3,599	356
Princeton	1.57	19.15	2.58	-3.09	-0.99	85	53	71	-2	150	3,336	99
Quicksand	2.68	30.34	7.54	8.33	3.95	83	58	70	-1	137	3,044	296
Somerset	3.43	30.10	7.75	7.23	4.19	83	54	67	-4	122	2,972	39
Spindletop	3.02	31.23	5.27	9.97	1.78	86	54	68	-3	128	3,168	228
Williamstown	4.10	31.21	5.04	10.30	1.71	83	54	66	-5	114	2,862	-14

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