



# 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

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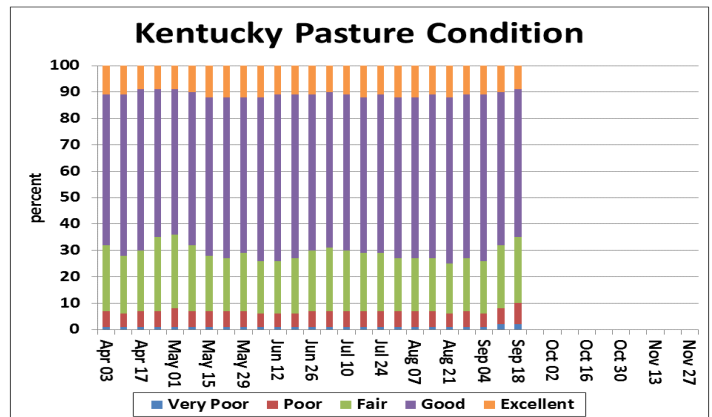
Issue: 29-16

**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.05 inches, 0.21 inches above normal. Temperatures averaged 74 degrees for the week, 5 degrees above normal. **Topsoil moisture** was rated 3 percent very short, 16 percent short, 73 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 1 percent very short, 14 percent short, 77 percent adequate, and 8 percent surplus. Days suitable for fieldwork averaged 6.0 out of a possible seven.

Primary activities this week included cutting hay and tobacco, harvesting corn, and seeding fall alfalfa and grass fields. Early corn yields are reported to be mostly good. Harvest has also begun on some early soybean fields, with average or above-average yield expectations. Dry conditions during the week led to crops drying down quicker than normal, with some producers reporting reductions in kernel fill. Pastures are drying as well. The fall calving season is underway.

**SOIL MOISTURE for week ending 09/18/16**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	3	16	73	8
Subsoil	1	14	77	8



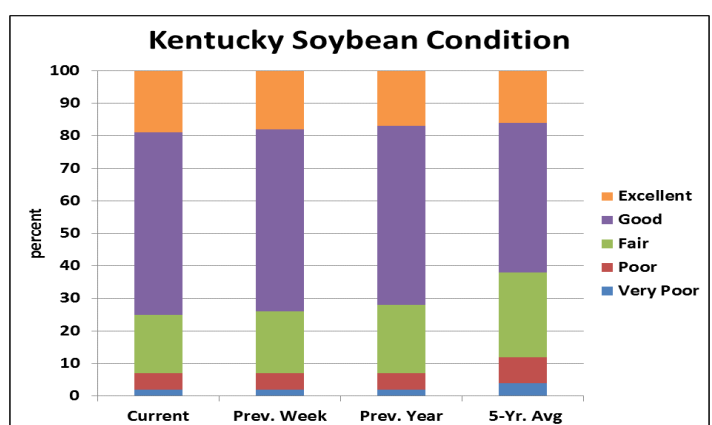
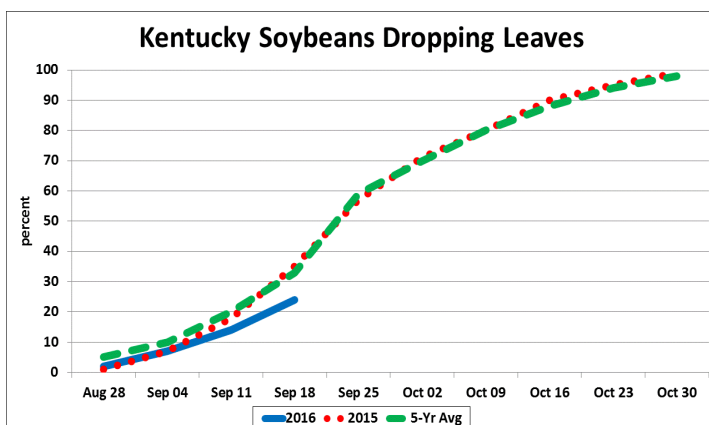
**CROP PROGRESS for week ending 09/18/16**

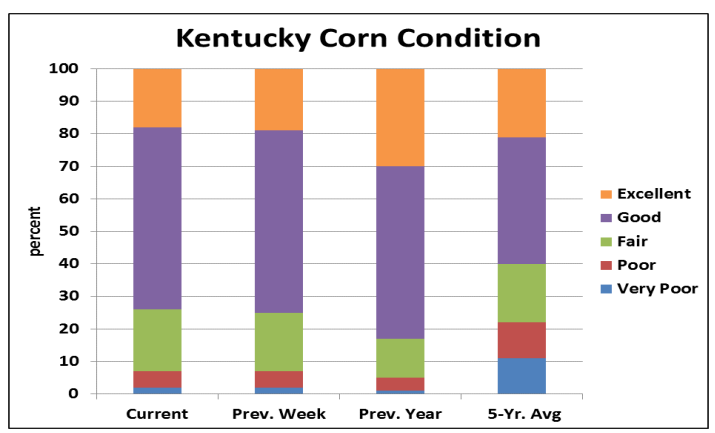
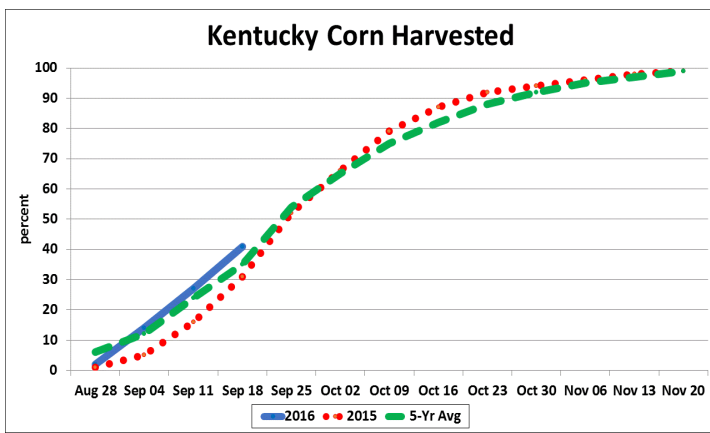
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Dent	94	90	95	93
Corn Mature	83	74	80	77
Corn Harvested	41	27	31	35
Soybeans Setting Pods	95	93	99	98
Soybeans Coloring	51	38	66	-
Soybeans Dropping Leaves	24	14	35	33
Soybeans Harvested	7	2	3	3
Tobacco Cut	70	57	81	69

**CROP CONDITIONS for week ending 09/18/16**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	19	56	18
Pasture	2	8	25	56	9
Soybeans	2	5	18	56	19
Tobacco, Housed	1	7	28	57	7

- Represents not available





**Kentucky Climate Summary  
For the Period September 12, 2016 to September 18, 2016**

Above Normal Temperatures and Rainfall:

Dry conditions continued through the first half of the work week as the Bluegrass State remained under the influence of high pressure. After a relatively cool day on Monday, temperatures increased on Tuesday and stayed that way through much of the period. This led to an 11th straight week of near to above normal temperatures that extends back into early July. Bottom line, it has been a warm summer. Showers and storms returned over the latter half of the work week and into the weekend. Ahead of a weak cold front, winds turned to the southwest, pulling moisture back into the area. A solid band of showers developed within this flow and slowly inched eastward over the course of the weekend. Conditions had been starting to turn dry with three straight weeks of below normal precipitation. The US Drought Monitor even introduced a couple small areas of ‘Abnormally Dry’ Conditions in South-Central and Eastern Kentucky. For the week, the band of showers helped push the state rainfall average over an inch, which was nearly a quarter inch above normal.

Temperatures for the period averaged 74 degrees across the state which was 5 degrees warmer than normal and 4 degrees cooler than the previous period. High temperatures averaged from 86 in the West to 86 in the East. Departure from normal high temperatures ranged from 4 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. Low temperatures averaged from 65 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 7 degrees warmer than normal in the East. The extreme high temperature for the period was 94 degrees at HICKMAN 2E and the extreme low was 49 degrees at MAYFIELD 6SW.

Precipitation (liq. equ.) for the period totaled 1.05 inches statewide which was 0.21 inches above normal and 125% of normal. Precipitation totals by climate division, West 1.10 inches, Central 1.24 inches, Bluegrass 0.70 inches and East 1.18 inches, which was 0.25, 0.31, -0.05 and 0.36 inches respectively from normal. By station, precipitation totals ranged from a low of 0.02 inches at LOUISVILLE APT to a high of 3.63 inches at SCOTTSVILLE 2W.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 09/18/16 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	0.86	29.21	3.06	6.35	-0.13	90	57	74	6	170	3,639	332
Berea	0.08	26.65	0.57	2.82	-3.12	92	49	73	6	163	3,378	-2
Bowling Green	0.88	26.86	1.31	2.95	-2.05	94	54	77	9	190	4,094	655
Bristol	1.29	16.85	1.92	-3.34	-1.06	92	56	75	8	176	3,613	454
Buckhorn Lake	0.80	25.38	1.05	2.68	-2.32	90	54	74	7	170	3,462	455
Cape Girardeau	2.96	31.07	5.21	8.81	1.94	90	52	75	5	174	3,936	361
Campbellsville	1.23	28.93	2.12	2.12	-2.14	90	52	74	6	167	3,497	142
Covington	0.43	23.00	2.32	1.81	-0.49	88	54	73	6	160	3,511	409
Cumberland Gap	1.20	30.02	1.23	5.42	-2.01	91	54	74	7	169	3,533	398
Dix Dam	0.94	24.86	1.28	1.32	-2.02	91	53	74	7	170	3,503	191
Evansville	2.16	28.89	2.57	7.70	-0.22	90	55	75	5	172	3,781	368
Glasgow	1.75	37.65	2.55	11.77	-1.08	90	55	75	7	178	3,734	389
Grayson	0.63	29.56	0.97	7.57	-1.89	88	51	73	6	160	3,344	379
Hardinsburg	0.52	33.86	1.53	10.15	-1.88	88	52	74	6	168	3,627	169
Henderson	0.77	29.11	1.99	7.17	-1.11	91	52	74	4	170	3,808	328
Huntington	0.26	25.07	0.42	2.96	-2.53	93	55	75	8	176	3,628	458
Jackson	0.03	29.64	0.58	5.87	-2.83	90	58	75	8	177	3,646	639
Lexington	0.43	26.52	0.66	3.66	-2.53	93	55	76	9	181	3,700	486
London	1.06	25.99	1.12	4.03	-2.04	91	52	74	7	171	3,641	474
Louisville	0.21	23.54	0.71	1.28	-2.33	92	61	77	9	192	4,116	693
Mayfield	1.25	30.73	3.14	6.60	-0.48	92	53	76	6	182	3,841	354
Nashville	1.33	18.03	1.33	-4.27	-1.83	94	56	78	10	198	4,252	577
Nolin Lake	0.88	31.97	1.52	6.71	-2.22	93	55	76	8	182	4,082	898
Paducah	0.52	28.66	1.45	4.92	-1.84	94	61	78	8	199	4,101	559
Princeton	0.48	31.78	1.43	7.87	-1.86	89	53	75	5	174	3,762	218
Quicksand	0.63	29.84	0.66	6.07	-2.75	90	53	74	7	166	3,504	497
Somerset	0.63	30.02	0.80	5.15	-2.86	91	51	74	7	172	3,492	288
Spindletop	0.75	31.01	2.12	8.15	-1.07	95	54	76	9	182	3,737	523
Williamstown	0.09	24.12	0.93	1.62	-2.19	89	54	73	6	158	3,343	194

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