



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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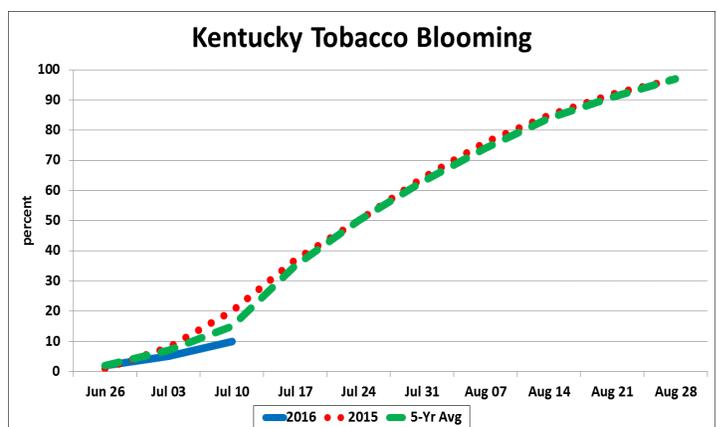
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Agricultural News: Kentucky experienced above normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 3.92 inches, 2.94 inches above normal. Temperatures averaged 77 degrees for the week, 1 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 10 percent short, 60 percent adequate and 29 percent surplus. **Subsoil moisture** was rated 1 percent very short, 8 percent short, 70 percent adequate, and 21 percent surplus. Days suitable for fieldwork averaged 2.4 out of a possible seven.

Heavy rains and storms led to flooding and delayed field activities this week, hitting especially hard in western Kentucky. Some low lying fields still remain saturated, and significant losses have been reported for corn, soybeans, and tobacco. Tobacco in standing water has started to wilt and turn yellow, with heightened risk for black shank. High winds also caused damage to crops and farm structures, with several reports of corn being blown around and breaking off. Weather forecasts and crop conditions continue to be evaluated. The average height of emerged soybeans was 14 inches, compared to 10 inches last week and 14 inches last year at this time. In the eastern part of the state, vegetables are still producing well with some anthracnose developing on beans.

SOIL MOISTURE for week ending 07/10/16

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	10	60	29
Subsoil	1	8	70	21



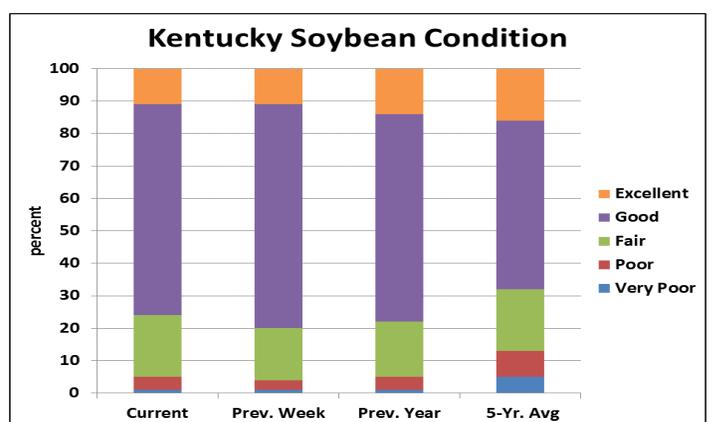
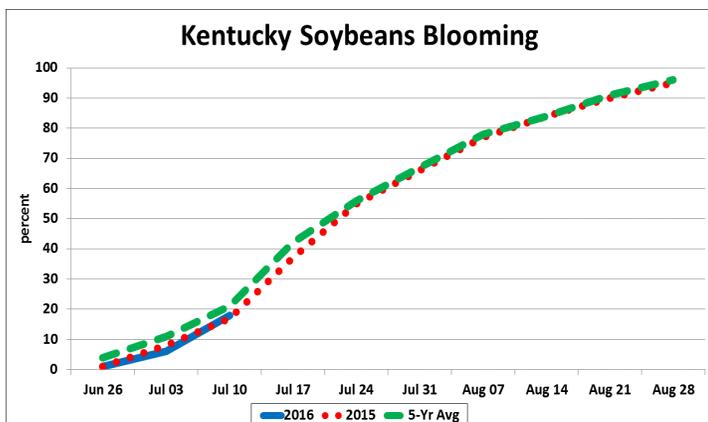
CROP PROGRESS for week ending 07/10/16

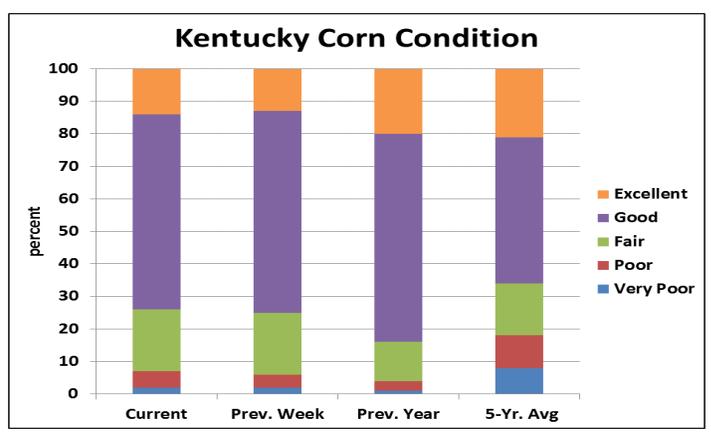
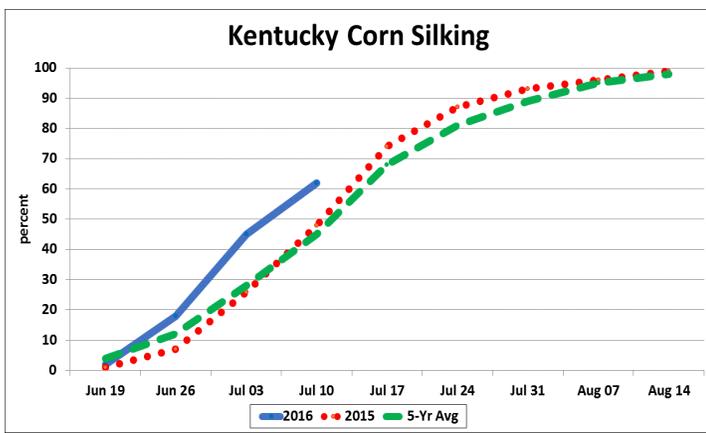
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	62	45	48	45
Corn Milked	19	8	12	12
Corn Dough	2	-	2	2
Soybeans Emerged	95	88	92	94
Soybeans Blooming	18	6	17	21
Tobacco Blooming	10	5	20	15
Tobacco Topped	2	-	4	3

- Represents zero or not available.

CROP CONDITIONS for week ending 07/10/16

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	19	60	14
Pasture	1	6	23	59	11
Soybeans	1	4	19	65	11
Tobacco Set	2	5	26	58	9





**Kentucky Climate Summary
For the Period July 4, 2016 to July 10, 2016**

Above Normal Temperatures and Much Above Normal Rainfall:

Not since May of 2010, has Kentucky seen an average rainfall total higher than what was seen this past week. For the period, several rounds of rainfall led to the wettest week of the year with an average of 3.92 inches for the Bluegrass State. This number is actually small in comparison to Western Kentucky, which alone saw over 5.5 inches on average for the period. Throughout the work week, the Commonwealth was situated within a warm and extremely moist air mass. Excessive rainfall fell on the 4th of July holiday, leading to saturated ground in some locations. This was followed by a very unsettled pattern over the course of the 6th and 7th as several rounds of strong to severe thunderstorms pushed through Kentucky. This led to numerous reports of damaging winds and especially flooding, as thunderstorms slowly tracked repeatedly over the same areas. For the week, a handful of locations in Western Kentucky recorded over 10 inches of rainfall. Since July 1st, the state has already averaged 4.72 inches of precipitation. Putting this data in perspective, Kentucky normally only sees around 4 to 4.5 inches for the entire month of July.

Temperatures for the period averaged 77 degrees across the state which was 1 degree warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 87 in the West to 85 in the East. Departure from normal high temperatures ranged from 2 degrees cooler than normal in the West to 1 degree 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 3 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 93 degrees at HICKMAN 2E and the extreme low was 59 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 3.92 inches statewide which was 2.94 inches above normal and 399% of normal. Precipitation totals by climate division, West 5.68 inches, Central 4.13 inches, Bluegrass 2.06 inches and East 3.80 inches, which was 4.7, 3.14, 1.1 and 2.8 inches above normal. By station, precipitation totals ranged from a low of 0.50 inches at CARLISLE 5SW to a high of 12.06 inches at BENTON 4N.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/10/16 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	5.76	17.47	7.57	3.85	3.76	87	64	77	1	186	1,718	7
Berea	4.40	19.48	8.10	5.03	4.30	87	62	76	1	183	1,564	-192
Bowling Green	5.44	15.11	7.43	0.15	3.40	92	69	80	4	213	1,978	203
Bristol	1.38	11.72	2.59	-0.41	-0.93	94	64	78	3	196	1,712	103
Buckhorn Lake	4.54	17.33	6.50	3.76	2.45	87	62	76	1	182	1,630	83
Cape Girardeau	1.79	17.12	3.47	2.89	0.25	91	70	79	1	205	1,914	46
Campbellsville	4.75	19.97	6.52	4.15	2.29	88	62	76	0	186	1,626	-105
Covington	1.39	12.30	3.34	-0.94	-0.33	86	62	75	0	175	1,587	31
Cumberland Gap	3.72	20.66	8.97	5.81	4.71	90	64	78	3	194	1,645	44
Dix Dam	5.21	19.53	7.93	5.30	4.13	87	64	76	1	183	1,632	-64
Evansville	3.33	18.76	8.03	5.20	4.63	90	66	78	0	196	1,778	17
Glasgow	8.58	24.67	12.27	8.75	7.80	89	66	78	2	194	1,765	57
Grayson	3.02	18.62	6.45	5.32	2.58	88	63	76	1	181	1,526	39
Hardinsburg	4.41	15.45	6.05	0.94	2.24	88	65	77	1	190	1,716	-75
Henderson	2.85	16.55	5.04	2.63	1.45	89	67	78	0	195	1,826	12
Huntington	2.51	18.82	7.87	5.67	4.06	88	63	76	1	184	1,678	61
Jackson	4.08	20.34	7.65	6.25	3.66	89	64	76	1	184	1,734	187
Lexington	1.95	16.30	4.07	2.68	0.26	90	64	78	3	192	1,722	96
London	4.56	16.16	6.07	2.82	2.36	90	64	78	3	194	1,725	98
Louisville	1.67	14.26	4.90	0.50	1.37	89	68	79	3	204	1,962	219
Mayfield	7.72	27.87	10.72	12.99	7.25	90	69	79	1	206	1,845	6
Nashville	4.50	12.41	7.46	-1.69	4.04	95	70	83	7	232	2,144	232
Nolin Lake	8.75	21.69	12.10	6.13	8.12	92	66	80	4	208	1,974	338
Paducah	5.88	16.65	6.81	1.30	3.03	93	70	80	2	212	1,988	147
Princeton	8.86	21.76	10.42	6.77	6.73	90	68	79	1	202	1,788	-61
Quicksand	5.01	22.09	8.71	8.00	4.72	89	63	77	2	188	1,602	55
Somerset	5.29	19.60	7.72	4.36	3.60	89	63	77	2	189	1,616	-43
Spindletop	1.89	20.79	4.90	7.17	1.09	89	64	77	2	191	1,716	90
Williamstown	1.74	17.67	7.39	3.88	3.67	86	62	74	-1	170	1,516	-80

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