



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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Cooperative Extension Service

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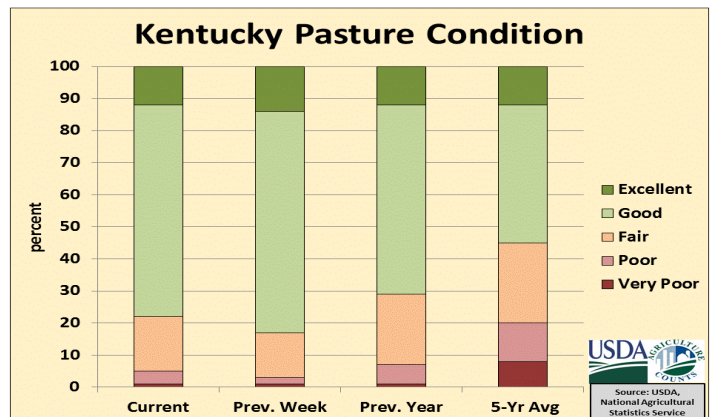
Issue: 20-17

Agricultural News: Kentucky experienced slightly above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.30 inches, 0.70 inches below normal. Temperatures averaged 78 degrees for the week, 1 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 14 percent short, 78 percent adequate, and 7 percent surplus. **Subsoil moisture** was rated 1 percent very short, 12 percent short, 81 percent adequate, and 6 percent surplus. Days suitable for fieldwork averaged 6.0 out of a possible seven.

Primary activities this week included cutting hay and spraying row crops. Very wet weather early in the month gave way to hot, dry conditions typical for this point in the season. There is a presence of disease in some crops, but it is not widespread. Some crops were helped by the drier conditions, however others have been stressed by the intense heat throughout the state. Also pasture condition has been negatively affected by the hot, dry weather in some areas.

SOIL MOISTURE for week ending 07/16/17

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	14	78	7
Subsoil	1	12	81	6



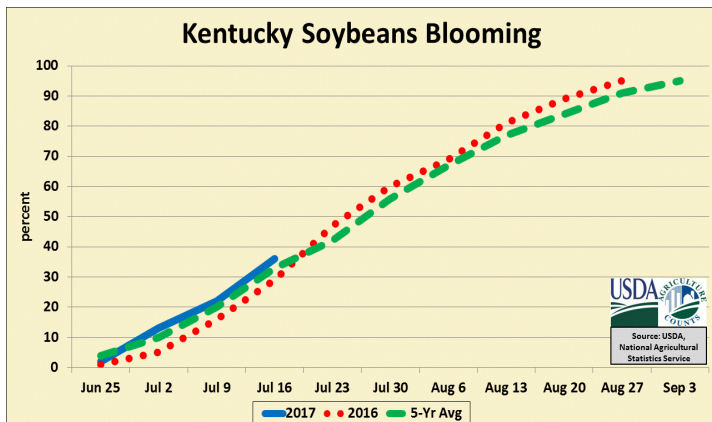
CROP PROGRESS for week ending 07/16/17

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	76	59	73	65
Corn Milked	38	24	34	28
Corn Dough	16	3	13	11
Soybeans Blooming	36	22	29	33
Soybeans Setting Pods	16	2	7	9
Tobacco Blooming	34	20	16	26
Tobacco Topped	13	2	5	8

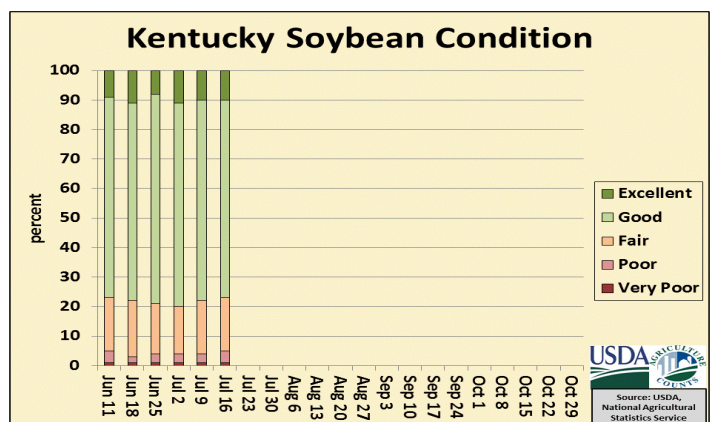
CROP CONDITIONS for week ending 07/16/17

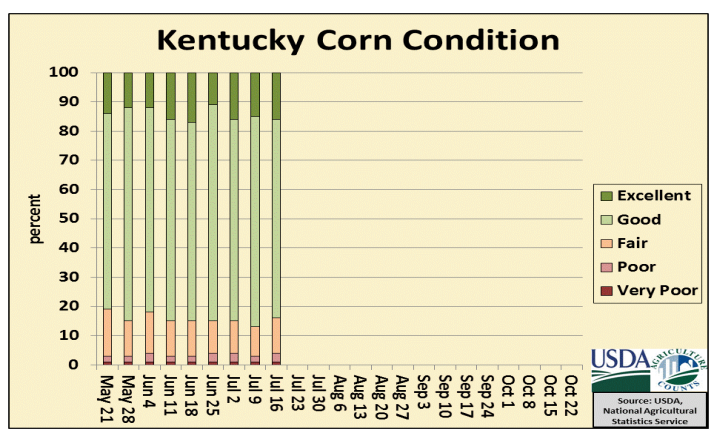
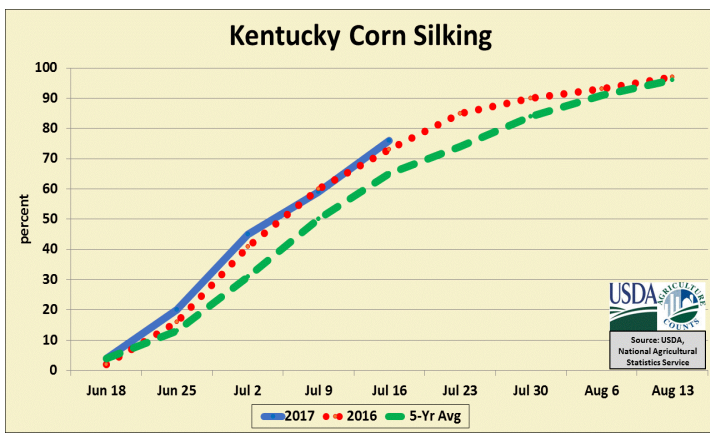
Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	3	12	68	16
Pasture	1	4	17	66	12
Soybeans	1	4	18	67	10
Tobacco Set	2	6	21	64	7

Kentucky Soybeans Blooming



Kentucky Soybean Condition





**Kentucky Climate Summary
For the Period July 10, 2017 to July 16, 2017**

Slightly Above Normal Temperatures and Below Normal Rainfall:

Hot and muggy conditions stuck around for much of the period, but comparing to what Kentucky typically sees in July, it was not that far from normal. Highs typically rose into the upper 80s to low 90s, but a handful of locations even jumped into the middle 90s. Combined with high dew points in the 70s, heat indices increased well into the 90s and low 100s at times, creating stressful conditions for livestock in the afternoon and evening hours. Mostly dry conditions accompanied the heat. Coverage at any point through the period was isolated to scattered at best. While some areas saw some beneficial rainfall, many locations received less than a tenth of an inch for the week. When looking at statewide accumulations, this was one of the driest weeks of the 2017 growing season.

Temperatures for the period averaged 78 degrees across the state which was 1 degree warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 89 in the West to 87 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to near normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 95 degrees at PADUCAH ASOS and the extreme low was 56 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 0.30 inches statewide which was 0.7 inches below normal and 30% of normal. Precipitation totals by climate division, West 0.15 inches, Central 0.19 inches, Bluegrass 0.42 inches and East 0.46 inches, which was 0.83, 0.82, 0.56 and 0.56 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at ALBANY 1N to a high of 2.48 inches at PIKEVILLE 13S.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/16/17 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	0.05	16.29	5.65	1.70	1.61	92	62	79	3	200	1,970	110
Berea	0.01	16.16	4.79	0.86	0.93	90	59	76	1	183	1,840	-66
Bowling Green	0.05	20.93	5.31	5.05	1.20	93	65	81	5	218	2,202	272
Bristol	0.01	7.86	0.93	-5.11	-2.72	92	58	76	1	185	1,894	142
Buckhorn Lake	1.67	17.53	4.48	3.02	0.32	90	59	77	2	189	1,884	202
Cape Girardeau	0.24	20.99	2.18	6.07	-1.04	93	61	80	2	210	2,178	147
Campbellsville	0.04	19.06	5.02	2.20	0.58	89	59	76	0	185	1,886	4
Covington	0.73	18.75	6.25	4.69	2.53	89	61	77	2	187	1,815	112
Cumberland Gap	0.12	18.37	2.72	2.50	-1.70	90	58	76	1	182	1,902	161
Dix Dam	0.08	13.81	6.16	-1.38	2.13	89	61	78	3	194	1,916	70
Evansville	0.58	19.22	3.50	4.87	0.02	94	63	80	2	212	2,156	238
Glasgow	0.73	18.17	4.73	1.22	0.15	90	63	79	3	201	2,038	178
Grayson	0.28	19.71	6.03	5.47	1.99	88	58	76	1	178	1,754	132
Hardinsburg	0.00	17.40	6.66	1.97	2.68	91	61	78	2	194	1,976	30
Henderson	0.09	11.87	2.73	-2.84	-0.90	92	60	79	1	200	2,116	145
Huntington	1.49	16.13	7.86	2.03	3.84	92	59	78	3	192	1,926	163
Jackson	0.68	19.76	4.48	4.65	0.24	90	63	78	3	193	1,980	298
Lexington	0.25	16.53	7.27	1.94	3.23	91	62	78	3	200	2,009	234
London	0.02	20.75	5.31	6.49	1.41	90	59	77	2	190	1,933	162
Louisville	0.00	14.05	4.04	-0.59	0.33	94	66	82	6	222	2,291	390
Mayfield	0.11	19.13	6.12	3.38	2.45	90	65	79	1	204	2,086	96
Nashville	0.00	8.12	1.08	-6.75	-2.40	95	68	81	5	214	2,216	142
Nolin Lake	0.00	19.25	5.48	2.71	1.31	95	61	81	5	217	2,292	513
Paducah	0.76	21.34	3.54	5.18	-0.24	95	64	81	3	218	2,264	263
Princeton	0.01	15.83	3.53	0.01	-0.22	91	63	79	1	204	2,082	77
Quicksand	0.21	18.40	4.55	3.29	0.31	91	60	77	2	190	1,887	205
Somerset	1.30	20.10	6.44	3.92	2.22	89	60	77	2	186	1,840	38
Spindletop	0.01	22.18	6.68	7.59	2.64	91	63	79	4	204	1,992	217
Williamstown	0.38	21.78	4.89	7.11	1.04	88	60	76	1	182	1,768	27

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