



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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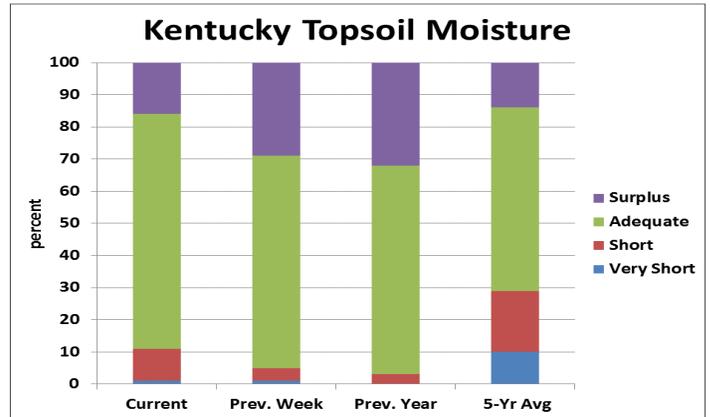
Issue: 21-16

Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.45 inches, 0.50 inches below normal. Temperatures averaged 80 degrees for the week, 4 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 10 percent short, 73 percent adequate and 16 percent surplus. **Subsoil moisture** was rated 1 percent very short, 8 percent short, 77 percent adequate, and 14 percent surplus. Days suitable for fieldwork averaged 5.5 out of a possible seven.

Primary activities this week included cutting hay, spraying herbicides, fungicide applications and topping tobacco where conditions allowed. High moisture and humid weather is resulting in heavy disease pressure on crops. Tobacco conditions remain in the mostly good to fair range due to the lateness of the crop and excess water at the wrong time. Black shank continues to be a concern. Some tobacco growers will have significant losses to their crop. Pasture conditions remain in mostly good condition. High temperatures and humidity over the past week pushed the livestock heat stress into the emergency category. Livestock producers are treating cattle for pinkeye.

SOIL MOISTURE for week ending 07/24/16

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	10	73	16
Subsoil	1	8	77	14



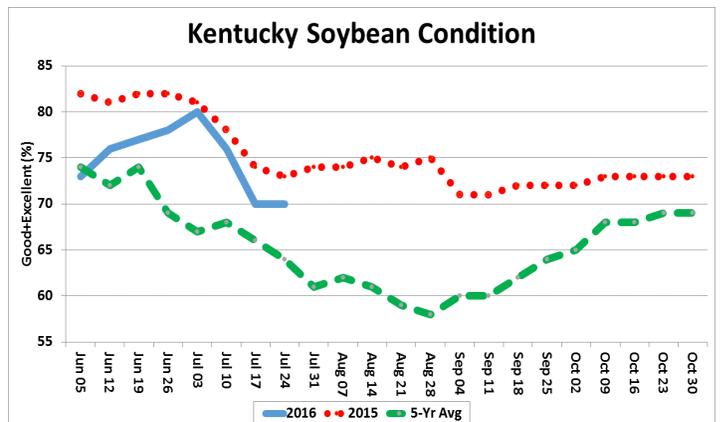
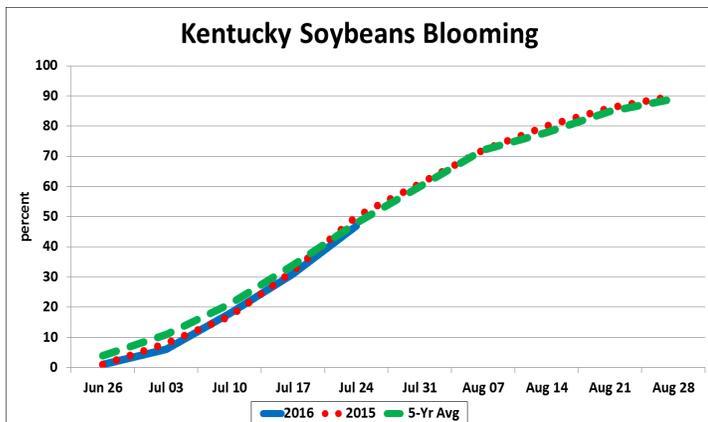
CROP PROGRESS for week ending 07/24/16

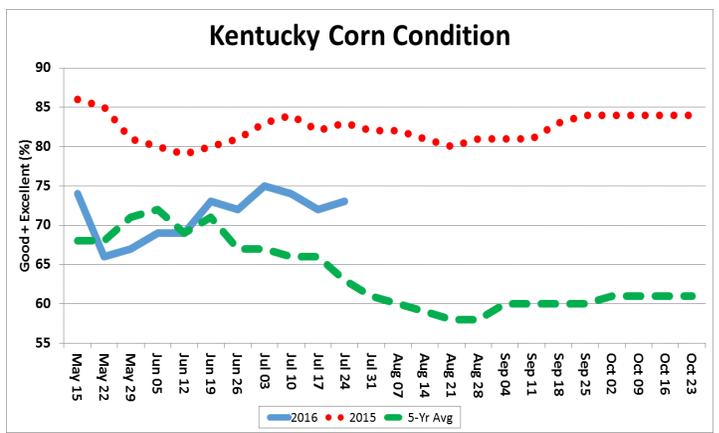
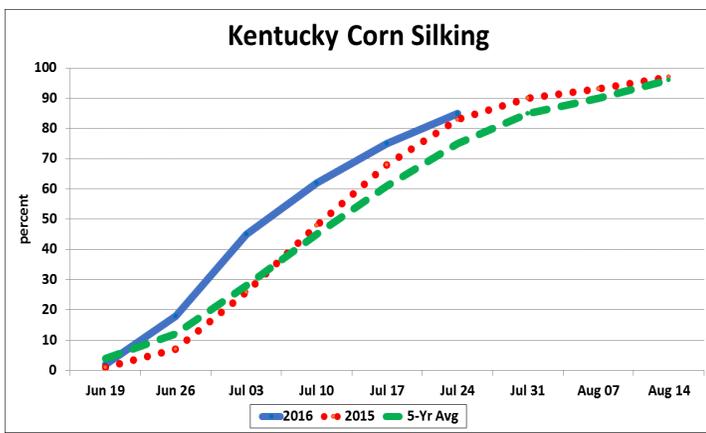
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	85	75	83	75
Corn Milked	50	36	47	41
Corn Dough	31	15	23	21
Corn Dent	3	-	2	5
Soybeans Blooming	47	31	50	48
Soybeans Setting Pods	18	8	22	21
Tobacco Blooming	30	17	46	40
Tobacco Topped	12	5	23	17

CROP CONDITIONS for week ending 07/24/16

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	20	58	15
Pasture	1	6	22	60	11
Soybeans	1	6	23	57	13
Tobacco Set	5	9	27	50	9

- Represents zero or not available.





**Kentucky Climate Summary
For the Period July 18, 2016 to July 24, 2016**

Above Normal Temperatures and Below Normal Rainfall:

Extreme heat and humidity returned to the Bluegrass State this past week, but this time, for a prolonged period of time. The heat wave consisted of high temperatures routinely rising into the upper 80s to middle 90s each day, along with dew points in the 70s. This repeatedly pushed heat indices over 100 for much of the state, especially across the western half. Multiple heat advisories were issued throughout the week, along with an Excessive Heat Advisory across the Purchase area of Western Kentucky as heat indices approached 110 degrees in spots. Not much recovery was seen at night either as temperatures and dew points remained elevated. The high heat and humidity created dangerous conditions for livestock as the heat stress index rose into the danger to emergency category each day. Looking longer term, this is now the third straight week that Kentucky has seen above normal temperatures.

Temperatures for the period averaged 80 degrees across the state which was 4 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 91 in the West to 90 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 73 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 5 degrees warmer than normal in the West to 5 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at POPLAR BLUFF ASOS and the extreme low was 61 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 0.45 inches statewide which was 0.5 inches below normal and 47% of normal. Precipitation totals by climate division, West 0.73 inches, Central 0.44 inches, Bluegrass 0.29 inches and East 0.32 inches, which was 0.17, 0.53, 0.65 and 0.68 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at CYNTHIANA 8N to a high of 3.44 inches at HARTFORD 3E.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/24/16 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	0.50	18.28	6.67	2.40	2.31	92	69	81	5	216	2,128	69
Berea	0.12	19.77	5.63	3.33	1.68	92	65	78	3	199	1,950	-156
Bowling Green	0.99	17.38	7.80	0.28	3.57	94	71	83	7	232	2,426	288
Bristol	0.00	11.88	2.00	-2.20	-1.82	97	63	79	4	206	2,104	162
Buckhorn Lake	0.11	17.81	5.12	2.05	0.82	92	64	78	3	196	2,012	150
Cape Girardeau	0.14	17.61	3.56	1.78	0.36	94	73	84	6	234	2,366	119
Campbellsville	0.16	20.36	6.46	2.11	1.75	91	67	79	3	204	2,020	-63
Covington	0.28	13.11	2.57	-2.04	-1.22	93	67	80	5	208	1,984	86
Cumberland Gap	0.02	21.65	6.10	4.42	1.45	92	66	80	5	208	2,039	110
Dix Dam	0.06	20.80	6.51	4.33	2.18	92	68	80	5	208	2,032	-13
Evansville	0.67	20.58	6.73	5.19	3.14	94	72	82	4	222	2,204	76
Glasgow	1.72	28.41	12.49	10.09	7.77	91	69	81	5	216	2,179	116
Grayson	0.38	19.66	4.38	4.17	0.11	91	62	78	3	192	1,908	106
Hardinsburg	3.44	19.93	9.57	3.27	5.37	91	69	80	4	213	2,122	-31
Henderson	0.34	19.83	6.86	4.06	3.19	91	72	81	3	218	2,246	67
Huntington	0.01	19.68	3.45	4.30	-0.86	95	63	80	5	208	2,080	124
Jackson	0.06	20.57	6.18	4.11	1.61	92	68	80	5	208	2,136	274
Lexington	0.00	17.28	2.93	1.40	-1.43	95	68	81	6	218	2,138	164
London	0.07	17.14	5.66	1.65	1.49	93	67	80	5	212	2,128	166
Louisville	0.54	15.62	3.17	-0.18	-0.78	95	72	84	8	239	2,416	306
Mayfield	1.80	31.13	11.56	14.22	7.63	92	70	82	4	220	2,269	78
Nashville	0.00	12.67	5.31	-3.22	1.76	97	72	84	8	238	2,604	314
Nolin Lake	0.02	23.54	10.65	5.70	6.22	96	69	83	7	231	2,418	449
Paducah	0.01	17.11	6.86	-0.13	3.08	95	71	84	6	238	2,446	231
Princeton	0.53	23.06	10.61	6.13	6.78	92	71	82	4	221	2,213	-1
Quicksand	0.06	22.53	7.39	6.07	2.82	93	64	79	4	206	2,000	138
Somerset	1.19	20.91	7.19	3.46	2.84	91	66	80	5	206	2,010	16
Spindletop	0.80	22.23	4.07	6.35	-0.29	96	69	82	7	226	2,145	171
Williamstown	0.16	18.52	3.63	2.68	-0.38	91	67	78	3	197	1,894	-41

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