



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

Released: August 1, 2016

Issue: 22-16

Agricultural News: Kentucky experienced above normal temperatures and much above normal rainfall over the past week. Precipitation for the week totaled 2.76 inches, 1.78 inches above normal. Temperatures averaged 79 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 0 percent very short, 6 percent short, 72 percent adequate and 22 percent surplus. **Subsoil moisture** was rated 1 percent very short, 6 percent short, 75 percent adequate, and 18 percent surplus. Days suitable for fieldwork averaged 3.7 out of a possible seven.

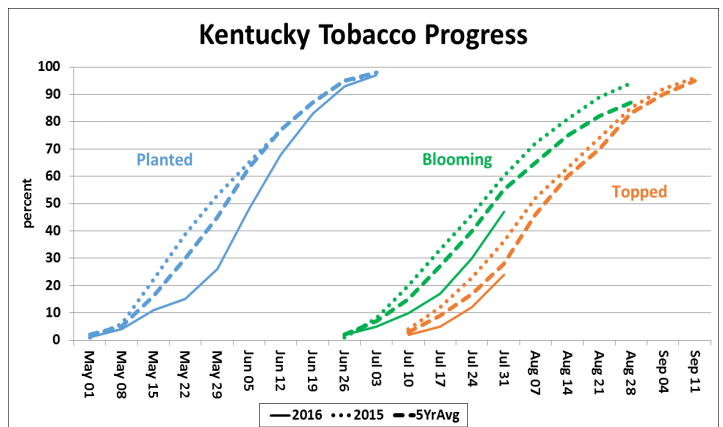
Field work was limited this week as warm, wet weather continued. Activities included spraying soybeans and tobacco, and topping tobacco. An increase in fungal disease reports for tobacco include target spot, frog eye leaf, and black shank. Some soybean diseases are now showing up, mostly septoria brown spot. Crop conditions and yield expectations remain varied throughout the state, as some low lying areas are still reporting standing water and slight flooding. High humidity this week had livestock under heat stress.

Pasture and hay fields remain in mostly good condition, with hay cutting anticipated as soon as the weather breaks. Hay and roughage supplies were reported as 1 percent very short, 10 percent short, 77 percent adequate, and 12 percent surplus.

SOIL MOISTURE for week ending 07/31/16

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	6	72	22
Subsoil	1	6	75	18

- Represents zero.



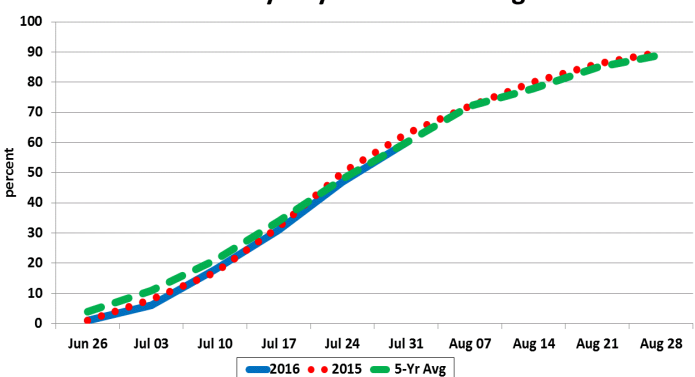
CROP PROGRESS for week ending 07/31/16

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	90	85	91	84
Corn Milked	62	50	62	56
Corn Dough	43	31	37	34
Corn Dent	19	3	10	14
Soybeans Blooming	60	47	63	60
Soybeans Setting Pods	31	18	35	33
Tobacco Blooming	47	30	60	55
Tobacco Topped	24	12	36	28

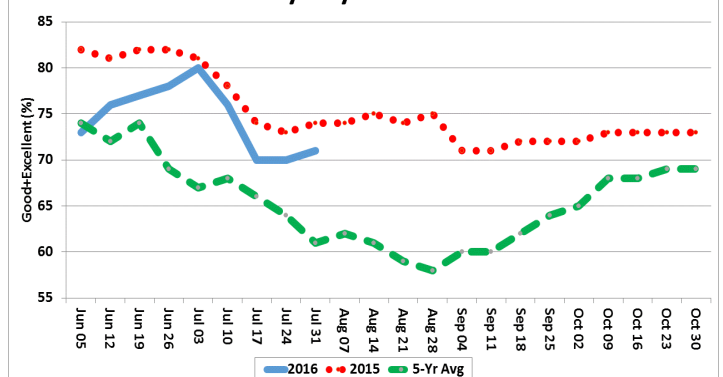
CROP CONDITIONS for week ending 07/31/16

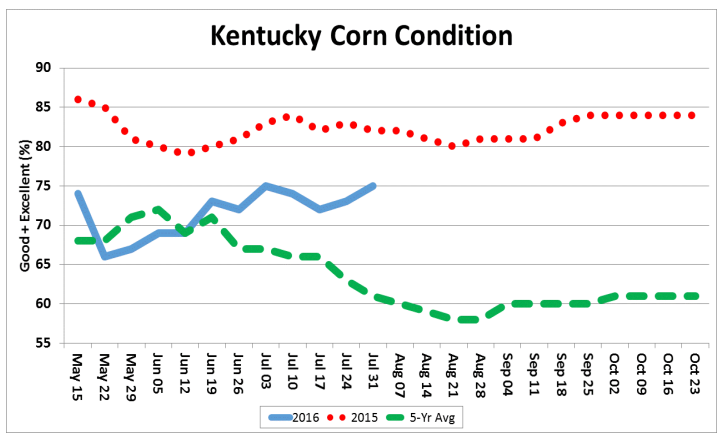
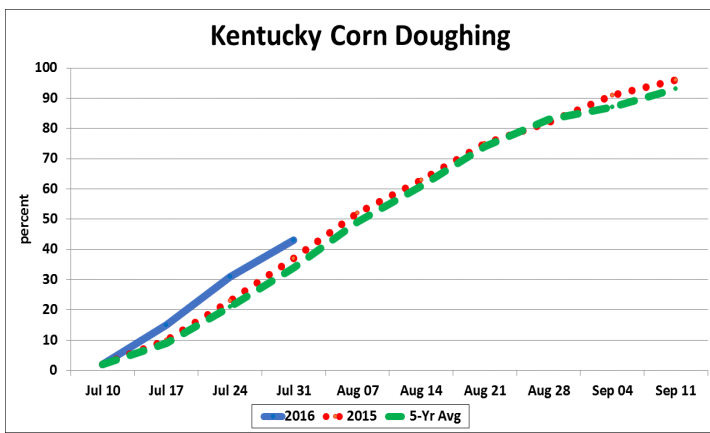
Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	18	58	17
Hay	1	5	27	58	9
Livestock	1	2	14	67	16
Pasture	1	6	20	61	12
Soybeans	2	6	21	57	14
Tobacco	6	10	26	51	7

Kentucky Soybeans Blooming



Kentucky Soybean Condition





**Kentucky Climate Summary
For the Period July 25, 2016 to July 31, 2016**

Above Normal Temperatures and Much Above Normal Rainfall:

Much like it started, the month of July came to a close with yet another exceptionally wet week. For the period, the state averaged over 2.5 inches. Showers and storms formed about each day, scattered in coverage for much of the week. The one exception came Wednesday night and through much of Thursday when activity became widespread. The slow moving nature of storms and very moist atmosphere promoted heavy rainfall from time to time, along with localized flash flooding. This all added to an already extremely wet month of July. Preliminary data at the UK Ag Weather Center shows that this could be one of the wettest July's on record with the state averaging 8.86 inches. This is small in comparison to Western Kentucky alone, which averaged over 12. Temperatures through the week also remained elevated with highs peaking in the 90s from time to time. The average temperature for Kentucky remained above normal for a fourth straight week.

Temperatures for the period averaged 79 degrees across the state which was 2 degrees warmer than normal and 2 degrees cooler than the previous period. High temperatures averaged from 88 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 71 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 4 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 96 degrees at KOOMER RIDGE and the extreme low was 65 degrees at FRANKFORT 7S.

Precipitation (liq. equ.) for the period totaled 2.76 inches statewide which was 1.78 inches above normal and 283% of normal. Precipitation totals by climate division, West 3.26 inches, Central 2.42 inches, Bluegrass 2.79 inches and East 2.58 inches, which was 2.33, 1.45, 1.82 and 1.55 inches above normal. By station, precipitation totals ranged from a low of 0.62 inches at BRANDENBURG 4SW to a high of 7.46 inches at ALEXANDRIA 5NW.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/31/16 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	3.00	21.28	9.57	4.27	5.05	91	66	79	3	203	2,332	99
Berea	3.16	22.93	7.85	5.49	3.86	91	66	77	2	191	2,140	-141
Bowling Green	3.41	20.79	11.12	2.62	6.84	94	70	82	6	222	2,648	328
Bristol	0.52	12.40	2.06	-2.66	-1.84	98	68	80	5	207	2,312	203
Buckhorn Lake	1.67	19.48	6.69	2.63	2.32	93	67	78	3	196	2,207	187
Cape Girardeau	2.30	19.91	4.58	3.28	1.38	93	69	80	2	212	2,578	142
Campbellsville	1.84	22.20	6.98	2.74	2.13	91	66	78	2	199	2,218	-41
Covington	2.49	15.60	4.69	-0.51	0.86	93	69	80	5	208	2,193	124
Cumberland Gap	4.18	25.83	8.89	7.41	4.13	93	68	79	4	203	2,242	149
Dix Dam	0.00	20.80	6.48	3.21	2.00	91	62	76	1	186	2,218	-2
Evansville	2.54	23.12	7.69	6.82	4.04	91	70	80	2	210	2,414	103
Glasgow	2.53	30.94	14.85	11.42	10.05	91	69	80	4	208	2,386	146
Grayson	4.26	23.92	8.32	7.33	3.93	89	69	78	3	194	2,102	142
Hardinsburg	6.77	26.70	15.66	8.96	11.35	90	68	79	3	200	2,322	-12
Henderson	4.00	23.83	10.13	7.14	6.44	90	69	80	2	206	2,452	91
Huntington	1.89	21.57	5.26	5.08	0.81	93	69	80	5	206	2,286	160
Jackson	2.04	22.61	6.35	4.96	1.61	94	68	79	4	201	2,336	316
Lexington	2.05	19.33	4.98	2.32	0.46	93	69	79	4	206	2,344	196
London	2.77	19.91	8.31	3.35	4.01	94	69	79	4	205	2,332	202
Louisville	1.53	17.15	4.56	0.33	0.49	94	72	82	6	226	2,642	348
Mayfield	5.79	36.92	16.77	19.00	12.71	91	69	80	2	208	2,476	109
Nashville	1.31	13.98	6.07	-2.81	2.48	97	71	82	6	222	2,826	347
Nolin Lake	1.71	25.25	12.31	6.27	7.75	97	68	82	6	226	2,644	508
Paducah	1.29	18.40	7.63	0.21	3.85	93	69	82	4	221	2,668	266
Princeton	2.46	25.52	12.62	7.62	8.75	91	69	80	2	211	2,424	28
Quicksand	1.07	23.60	6.52	5.95	1.78	93	68	79	4	206	2,206	186
Somerset	3.84	24.75	10.44	6.20	6.02	92	67	78	3	196	2,206	44
Spindletop	3.43	25.66	6.76	8.65	2.24	93	69	80	5	210	2,356	208
Williamstown	1.55	20.07	4.14	3.21	0.05	91	67	78	3	194	2,089	-15

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