



Crop Progress and Condition

USDA, NASS, Kentucky Field Office

David Knopf, Director
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: July 20, 2015

Issue: 20-15

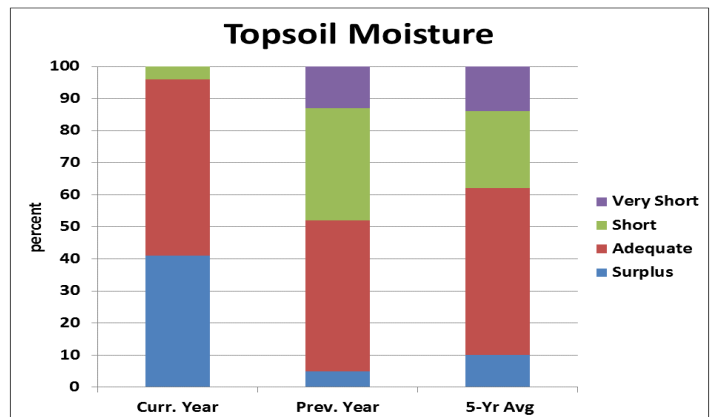
Agricultural News: Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.78 inches, 0.78 inches above normal. Temperatures averaged 79 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 4 percent short, 55 percent adequate and 41 percent surplus. **Subsoil moisture** was rated 3 percent short, 67 percent adequate, and 30 percent surplus. Days suitable for fieldwork averaged 3.9 out of a possible seven.

Primary activities this week included spraying crops for weeds, cutting hay and topping tobacco where conditions allowed. Field activities continue to be interrupted by rain. Rivers continue to rise and many low lying areas remain under water, affecting corn, soybeans, and sorghum acreage. Corn rust and other diseases are starting to appear. Early planted crops are withstanding the rainfall better than the later crops. Weed pressure in crops remain a concern as many farmers have not been able to get into fields to spray or plow. Corn, soybeans, and tobacco fields with standing water are yellowing and showing signs of stress. Tobacco condition is declining due to excess water, wind damage and disease pressure, with fifty-eight percent rated as good to excellent, compared to sixty-seven percent last week. Pasture conditions remain in mostly good to excellent condition and have benefitted from the continued rainfall. High temperatures and humidity over the weekend pushed the livestock heat stress into the emergency category.

SOIL MOISTURE for week ending 07/19/15

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	4	55	41
Subsoil	-	3	67	30

- Represents zero.

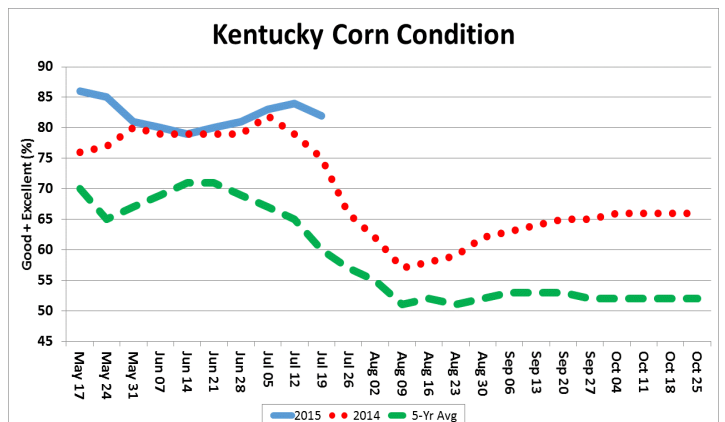
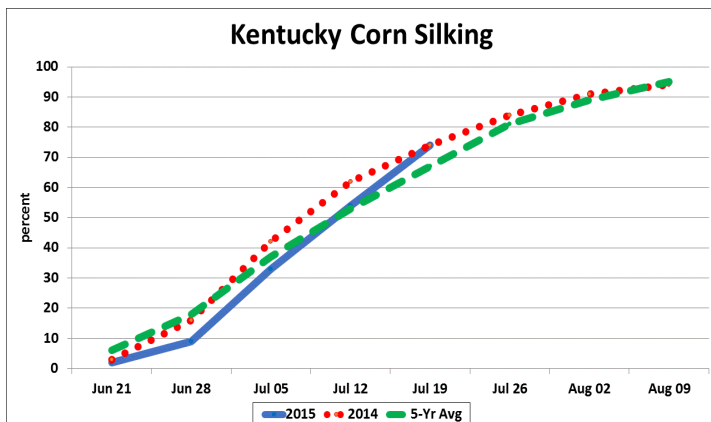


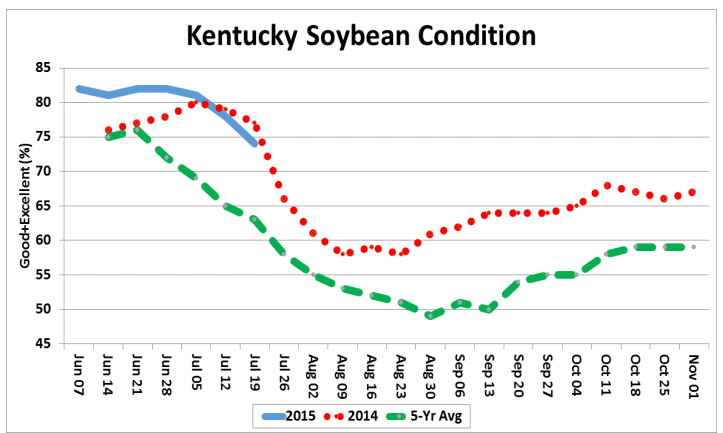
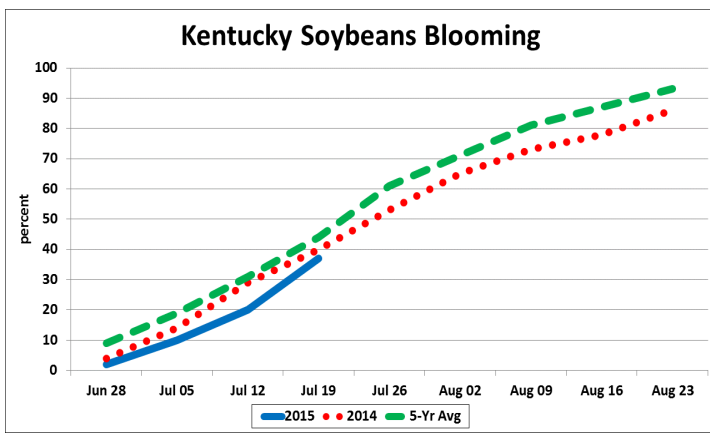
CROP PROGRESS for week ending 07/19/15

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	74	54	74	67
Corn Milked	35	15	35	32
Corn Dough	13	3	17	13
Soybeans Blooming	37	20	40	44
Soybeans Setting Pods	12	2	16	14
Tobacco Blooming	37	24	36	31
Tobacco Topped	15	5	15	12

CROP CONDITIONS for week ending 07/19/15

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	3	14	60	22
Pasture	1	5	17	60	17
Soybeans	2	5	19	60	14
Tobacco Set	5	11	26	50	8





**Kentucky Climate Summary
For the Period July 13, 2015 to July 19, 2015**

Above Normal Temperatures and Rainfall:

Depending on location, this past week either brought another round of flooding or dangerously hot and humid conditions. Starting off, the early work week saw numerous rounds of storms pass through mainly the eastern half of the state, which gave way to even more flash flooding. Over the course of the period, the Bluegrass and Eastern Kentucky each saw an average of around two inches. Looking at data from the start of July, these two regions are now over 4 inches above normal for the month. In addition to the rainfall, storms merged into a couple of lines on Monday and Tuesday, leading to widespread damaging winds. While the eastern half of the state saw a very active pattern, Western Kentucky remained more under the influence of an upper level ridge of high pressure. This kept the area dry with little to no rainfall. The influence of this ridge was felt more-so on Friday and into the weekend. While the entire state saw a rise in heat and humidity, it was most noticeable across the western half of the state. Highs rose into the mid-90s and with high dew points, the heat index was near 110 at times. This pushed the livestock heat stress index into the emergency category for much of the weekend.

Temperatures for the period averaged 79 degrees across the state which was 2 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 90 in the West to 86 in the East. Departure from normal high temperatures ranged from near normal in the West to 1 degree cooler than normal in the East. Low temperatures averaged from 75 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 7 degrees 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 BOWLING GREEN APT and the extreme low was 60 degrees at ALEXANDRIA 5NW.

Precipitation (liq. equ.) for the period totaled 1.78 inches statewide which was 0.78 inches above normal and 178% of normal. Precipitation totals by climate division, West 0.11 inches, Central 1.04 inches, Bluegrass 3.04 inches and East 2.91 inches, which was -0.86, 0.02, 2.07 and 1.88 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at BENTON 4N to a high of 6.48 inches at LA GRANGE 6NW.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/19/15 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
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>
Bardstown	2.41	26.08	8.67	11.01	4.51	91	65	79	3	202	2,088	153
Berea	3.49	26.99	9.25	11.26	5.36	90	62	76	1	184	1,921	-60
Bowling Green	0.41	20.48	7.28	4.14	3.12	95	67	83	7	232	2,356	348
Bristol	2.75	14.49	6.52	1.10	2.81	91	64	77	2	186	2,078	255
Buckhorn Lake	2.68	19.90	8.06	4.92	3.85	88	64	75	0	174	1,978	228
Cape Girardeau	0.32	22.53	7.93	7.27	4.72	95	69	84	6	234	2,278	166
Campbellsville	3.50	25.07	10.29	7.69	5.75	91	63	78	2	193	1,986	29
Covington	0.99	18.17	7.06	3.70	3.31	91	63	77	2	188	1,914	138
Cumberland Gap	4.29	22.32	10.33	5.94	5.82	90	65	77	2	188	2,010	198
Dix Dam	3.50	30.50	11.06	14.83	6.92	90	64	77	2	186	1,966	45
Evansville	0.08	21.06	4.16	6.32	0.64	94	68	82	4	226	2,174	177
Glasgow	0.22	23.83	8.13	6.37	3.50	92	64	81	5	216	2,133	197
Grayson	4.20	27.21	10.06	12.50	5.93	90	62	76	1	178	1,836	146
Hardinsburg	0.00	19.30	7.02	3.41	2.96	92	64	80	4	209	2,072	48
Henderson	0.00	22.08	5.13	6.97	1.49	94	65	82	4	222	2,166	117
Huntington	2.73	19.97	8.11	5.39	3.98	90	61	75	0	174	1,905	70
Jackson	4.38	27.31	11.50	11.69	7.14	90	65	77	2	189	2,064	314
Lexington	3.75	27.61	9.93	12.54	5.77	91	64	78	3	193	2,005	155
London	3.75	22.56	12.26	7.84	8.26	93	67	79	4	200	2,159	316
Louisville	2.67	28.49	10.39	13.42	6.59	94	69	81	5	219	2,332	353
Mayfield	0.28	21.66	6.31	5.48	2.55	93	68	82	4	224	2,218	153
Nashville	0.07	17.23	4.69	1.98	1.19	95	70	83	7	228	2,400	245
Nolin Lake	0.57	26.30	10.18	9.27	5.91	96	64	82	6	224	2,360	510
Paducah	0.00	20.26	8.81	3.69	5.03	94	69	84	6	237	2,370	289
Princeton	0.00	18.77	5.70	2.53	1.92	93	67	82	4	226	2,180	97
Quicksand	4.74	22.19	7.22	6.57	2.86	91	64	77	2	189	1,966	216
Somerset	2.17	23.29	8.16	6.63	3.89	90	64	77	2	190	1,946	72
Spindletop	5.37	33.39	10.88	18.32	6.72	92	64	78	3	198	2,071	221
Williamstown	4.62	25.93	10.85	10.82	6.94	89	62	76	1	180	1,857	43

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