



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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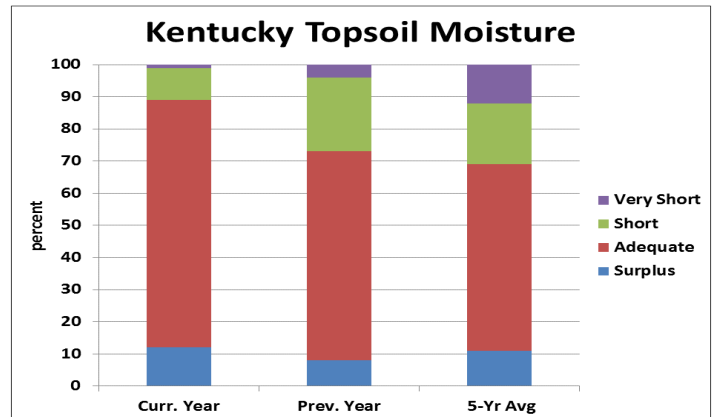
Issue: 17-15

Agricultural News: Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.25 inches, 0.25 inches above normal. Temperatures averaged 76 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 10 percent short, 77 percent adequate and 12 percent surplus. **Subsoil moisture** was rated 1 percent very short, 12 percent short, 82 percent adequate, and 5 percent surplus. Days suitable for fieldwork averaged 4.7 out of a possible seven.

Primary activities this week included planting soybeans and tobacco, harvesting wheat, and baling hay. Some areas of the state are dry while others have received adequate rain from storms and spotty showers. Wheat harvest is in full swing and progressing well. Test weights, as well as yields, are reportedly very good. Later wheat has higher incidence of head scab in some areas. Double crop soybeans are being planted as wheat is harvested. Early soybeans are now starting to bloom. Soybean average height was 9 inches, same as last year. Palmer amaranth being reported in some fields. The average height of tobacco in the field was 17 inches, compared to 12 inches last week and 18 inches last year at this time. Very warm and humid conditions, especially early in the week, resulted in continued heat stress for livestock.

SOIL MOISTURE for week ending 06/28/15

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	10	77	12
Subsoil	1	12	82	5



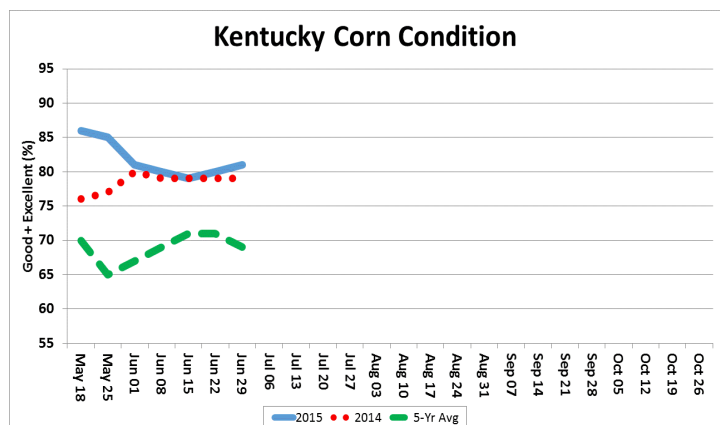
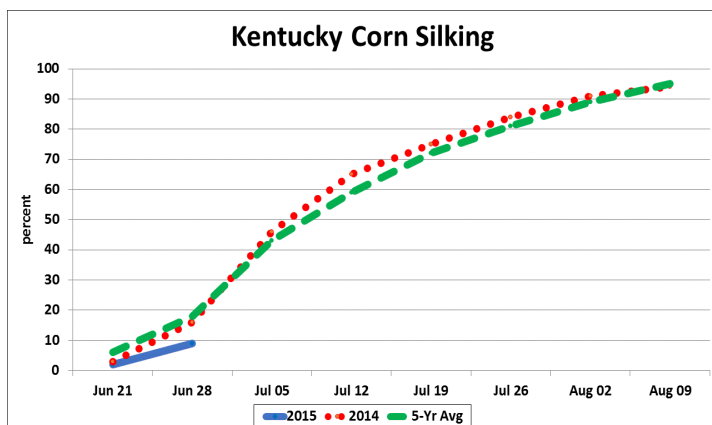
CROP PROGRESS for week ending 06/28/15

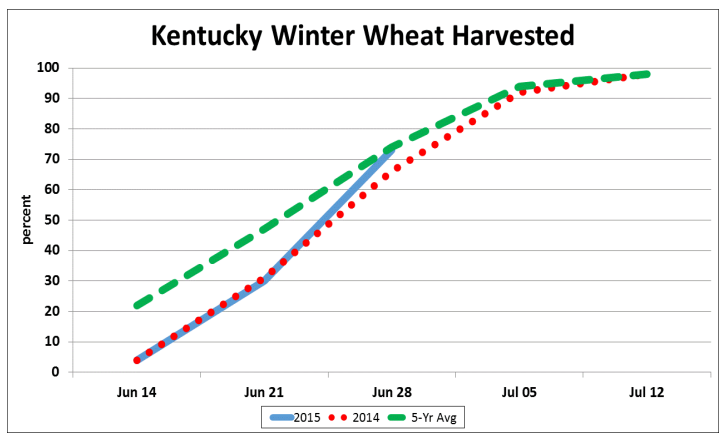
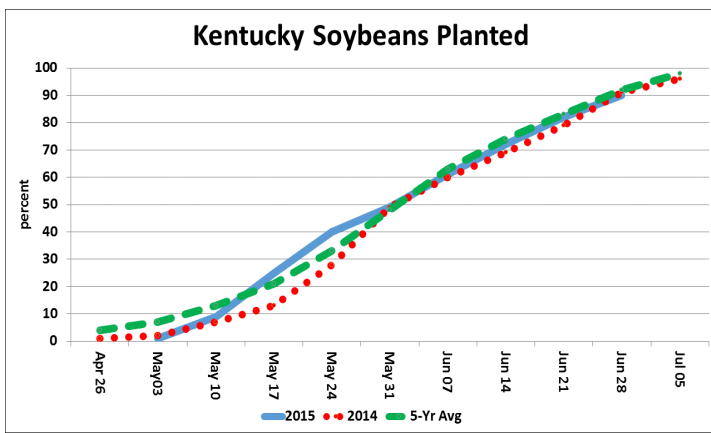
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	9	2	16	18
Soybeans Planted	90	82	91	92
Soybeans Emerged	80	69	78	83
Soybeans Blooming	2	-	4	9
Tobacco Set	97	90	93	97
Tobacco Blooming	2	-	3	3
Winter Wheat Mature	97	85	94	-
Winter Wheat Harvested	73	30	66	74

- Represents zero or not available.

CROP CONDITIONS for week ending 06/28/15

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	3	15	62	19
Hay	1	5	22	61	11
Pasture	2	6	22	59	11
Soybeans	1	3	14	68	14
Tobacco Set	1	4	16	67	12
Wheat	1	4	17	58	20





**Kentucky Climate Summary
For the Period June 22, 2015 to June 28, 2015**

Above Normal Temperatures and Rainfall:

Multiple disturbances and frontal boundaries passed through the Bluegrass State this past week, leading to a second straight period of above normal rainfall. In doing so, the US Drought Monitor diminished the coverage of Moderate Drought across the area, down to 11%. The most widespread rainfall came later in the day on Friday and lasting into Saturday as the Commonwealth remained within a moist and unstable air mass. Overall, the state averaged 1.25 inches. Looking at temperatures, it was quite the difference between start to end. Much of the work week saw highs peak in the middle 80s to low 90s across the Lower Ohio Valley. High humidity made it feel more like 100 at times. This helped push the livestock stock heat stress index into the emergency category for the first time this year. Behind the passage of a cold front on Saturday, temperatures took a downward turn. Highs stayed in the middle 70s to low 80s Saturday and Sunday, along with much less humidity.

Temperatures for the period averaged 76 degrees across the state which was 2 degrees warmer than normal and 2 degrees cooler than the previous period. High temperatures averaged from 87 in the West to 84 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 1 degree cooler than 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 4 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 BOWLING GREEN 4E and the extreme low was 52 degrees at CAMPBELLSVILLE 7W.

Precipitation (liq. equ.) for the period totaled 1.25 inches statewide which was 0.25 inches above normal and 125% of normal. Precipitation totals by climate division, West 0.62 inches, Central 1.61 inches, Bluegrass 1.27 inches and East 1.52 inches, which was -0.38, 0.62, 0.28 and 0.49 inches respectively from normal. By station, precipitation totals ranged from a low of 0.02 inches at HICKMAN 2E to a high of 2.89 inches at JACKSON.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/28/15 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
	Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Bardstown	1.84	19.25	5.40	7.48	1.98	89	54	75	0	175	1,542	123
Berea	0.90	18.64	4.16	5.88	0.47	89	55	75	1	174	1,412	-49
Bowling Green	1.65	14.85	2.81	1.70	-1.08	96	57	80	5	206	1,711	242
Bristol	0.51	8.48	2.38	-2.02	-0.92	92	58	77	3	189	1,550	221
Buckhorn Lake	1.96	13.80	4.63	2.07	0.76	88	56	74	0	170	1,480	197
Cape Girardeau	0.12	14.72	4.31	1.86	1.07	94	61	79	2	206	1,655	106
Campbellsville	1.15	15.93	2.00	2.12	-1.88	89	52	75	0	176	1,450	14
Covington	0.92	12.03	5.11	0.42	1.53	89	56	74	0	166	1,410	140
Cumberland Gap	1.56	13.55	4.54	0.68	0.56	90	54	76	2	180	1,490	165
Dix Dam	2.56	22.00	9.41	9.61	5.98	88	56	74	0	170	1,446	43
Evansville	0.40	17.30	7.24	5.27	3.98	92	57	77	0	186	1,580	128
Glasgow	1.04	16.74	5.02	2.84	0.73	89	55	76	1	182	1,545	136
Grayson	0.74	17.89	5.01	6.42	1.43	87	54	74	0	166	1,350	126
Hardinsburg	0.98	13.26	3.51	0.54	-0.03	91	54	76	1	182	1,508	22
Henderson	0.21	17.16	7.89	4.81	4.35	90	55	77	0	186	1,584	77
Huntington	1.33	13.19	4.45	1.88	1.00	89	58	74	0	168	1,419	86
Jackson	2.89	18.70	6.91	6.55	3.34	90	56	75	1	176	1,554	271
Lexington	0.80	18.48	5.02	6.71	1.60	90	56	75	1	174	1,474	139
London	1.10	11.40	4.35	-0.16	0.97	91	55	77	3	188	1,605	259
Louisville	2.26	20.36	6.81	8.28	3.58	92	59	78	3	194	1,734	299
Mayfield	0.44	15.79	4.36	2.58	1.21	91	57	78	1	196	1,614	73
Nashville	0.43	12.97	2.99	0.39	-0.34	94	60	80	5	207	1,776	183
Nolin Lake	2.43	18.55	4.50	4.88	0.84	96	55	78	3	196	1,742	386
Paducah	0.38	11.83	2.39	-1.90	-1.39	93	58	80	3	206	1,734	208
Princeton	0.66	13.73	2.83	0.38	-0.76	92	55	78	1	194	1,576	35
Quicksand	0.14	15.11	3.06	2.96	-0.51	91	62	76	2	181	1,444	161
Somerset	1.85	16.98	5.38	3.60	1.42	88	53	75	1	172	1,436	60
Spindletop	0.81	23.32	7.11	11.55	3.69	91	58	76	2	180	1,525	190
Williamstown	1.84	16.92	5.88	4.84	2.36	88	57	73	-1	160	1,365	53

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