



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
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Kentucky Department of Agriculture  
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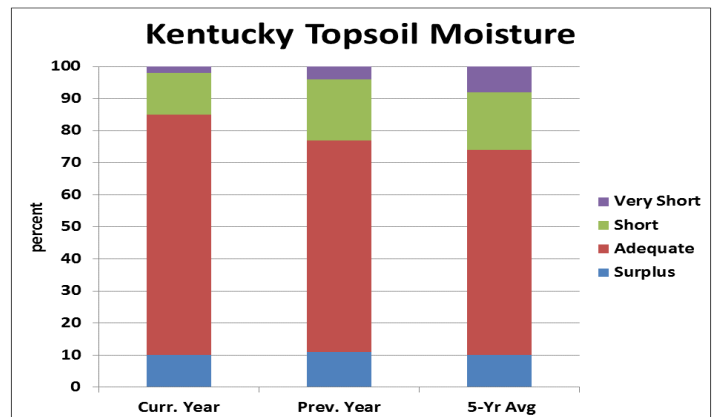
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**Agricultural News:** Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 2.36 inches, 1.35 inches above normal. Temperatures averaged 79 degrees for the week, 6 degrees above normal. **Topsoil moisture** was rated 2 percent very short, 13 percent short, 75 percent adequate and 10 percent surplus. **Subsoil moisture** was rated 2 percent very short, 14 percent short, 78 percent adequate, and 6 percent surplus. Days suitable for fieldwork averaged 4.7 out of a possible seven.

Some areas have received adequate rainfall, while many others remain dry. Primary activities this week included planting soybeans and tobacco, harvesting wheat, and baling hay. Activities were hampered late in the week due to rain. The average height of emerged corn was 34 inches, compared to 23 inches last week, with eighty percent rated as good to excellent. The early wheat harvest is going well. Test weights, as well as yields, are reportedly very good. The average height of tobacco in the field was 12 inches, compared to 9 inches last week. Very warm and humid conditions are causing stress for livestock.

**SOIL MOISTURE for week ending 06/21/15**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	2	13	75	10
Subsoil	2	14	78	6



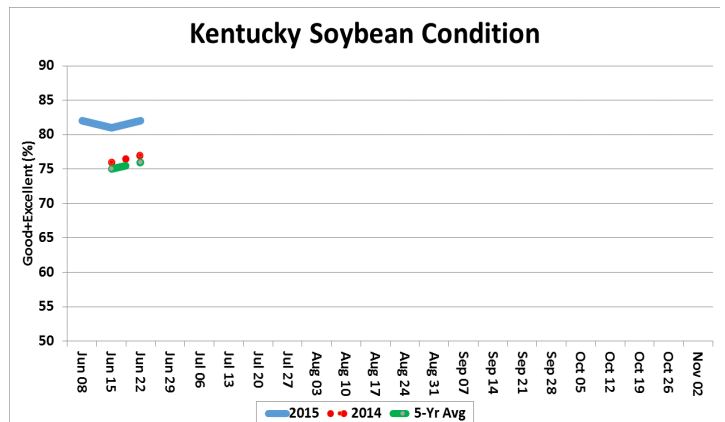
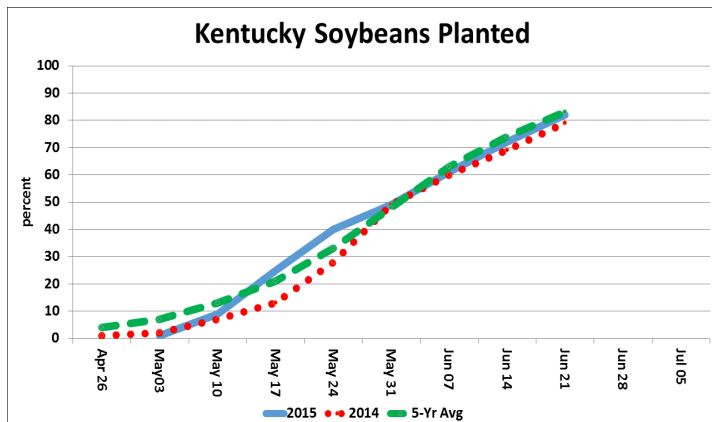
**CROP PROGRESS for week ending 06/21/15**

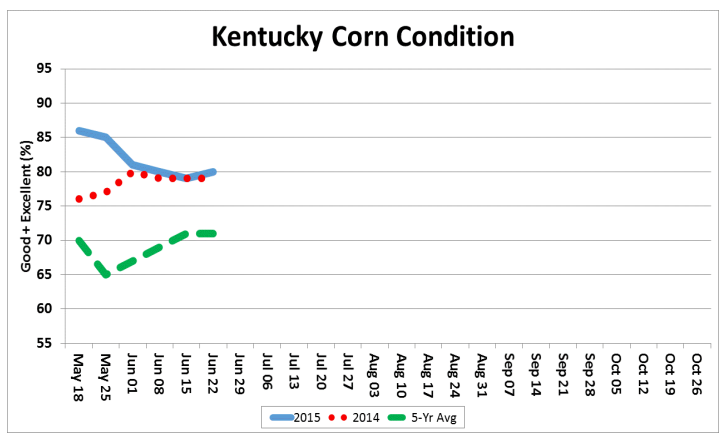
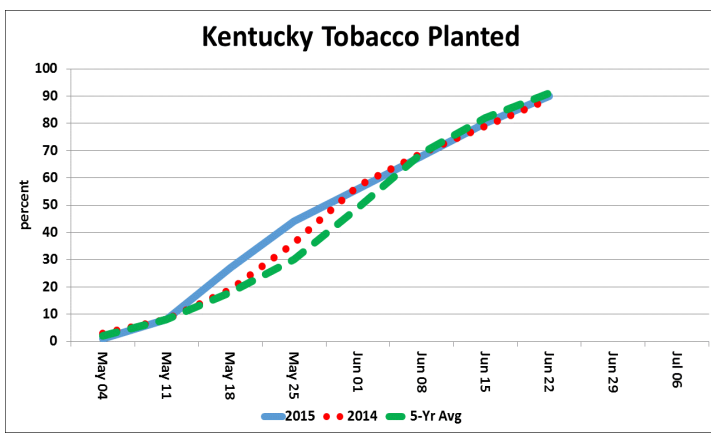
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	2	-	3	6
Soybeans Planted	82	72	79	83
Soybeans Emerged	69	55	70	74
Tobacco Set	90	80	89	91
Winter Wheat Coloring	97	90	97	-
Winter Wheat Mature	85	46	75	-
Winter Wheat Harvested	30	4	31	47

- Represents zero or not available.

**CROP CONDITIONS for week ending 06/21/15**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	3	16	64	16
Pasture	2	7	24	57	10
Soybeans	1	3	14	70	12
Tobacco Set	1	3	16	70	10
Wheat	1	4	18	61	16





**Kentucky Climate Summary  
For the Period June 15, 2015 to June 21, 2015**

Above Normal Temperatures and Rainfall:

Leading up to this period, dry conditions were becoming more and more evident across the state. In fact, the US Drought Monitor introduced Moderate Drought to just over 34% of the state with last week's update. With lack a rainfall a concern, activity increased dramatically this past period as the state saw a combination of frontal boundaries, disturbances aloft, and even a remnant tropical system pass through the area. Throughout the work week, the state was positioned within a very moist and unstable air mass. Scattered to numerous showers and storms fired on a near daily basis with heavy rainfall, cloud to ground lightning, and gusty winds as the main concerns. Coverage increased Friday and Saturday as the remnants of Tropical Storm Bill took an eastward track through the Lower Ohio Valley. Once again, a moist air mass allowed for torrential rainfall at times. Over the course of the period, the state averaged over two inches, breaking a four week streak of below normal rainfall. Looking at temperatures, it was yet another hot and humid week. Temperatures typically peaked in the mid-80s to low 90s about each day. Combined with lows only dropping down to around 70, the Commonwealth saw a second straight week of above normal temperatures.

Temperatures for the period averaged 79 degrees across the state which was 6 degrees warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 88 in the West to 86 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 72 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 8 degrees warmer than normal in the West to 10 degrees warmer than normal in the East. The extreme high temperature for the period was 95 degrees at MAYFIELD 6SW and the extreme low was 64 degrees at JACKSON 3SE.

Precipitation (liq. equ.) for the period totaled 2.36 inches statewide which was 1.35 inches above normal and 235% of normal. Precipitation totals by climate division, West 2.41 inches, Central 2.03 inches, Bluegrass 3.14 inches and East 1.85 inches, which was 1.42, 1.03, 2.13 and 0.83 inches above normal. By station, precipitation totals ranged from a low of 0.41 inches at BOWLING GREEN APT to a high of 7.00 inches at MORGANFIELD 4E.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 06/21/15 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	2.13	17.41	4.11	6.50	0.54	90	67	78	4	196	1,368	104
Berea	2.59	17.74	4.36	5.90	0.51	92	65	78	5	198	1,238	-66
Bowling Green	0.41	13.20	1.92	1.02	-2.11	93	68	82	8	222	1,504	197
Bristol	0.78	7.97	1.90	-1.71	-1.46	94	64	79	6	202	1,362	180
Buckhorn Lake	1.72	11.84	3.08	1.07	-0.75	91	67	78	5	195	1,310	164
Cape Girardeau	3.27	14.60	5.08	2.55	1.48	92	71	80	4	208	1,449	70
Campbellsville	0.00	14.78	3.05	1.94	-1.03	92	65	78	4	200	1,275	-9
Covington	3.72	11.11	5.08	0.39	1.43	90	66	77	4	190	1,244	120
Cumberland Gap	1.26	11.99	4.42	0.12	0.35	91	65	78	5	194	1,310	127
Dix Dam	3.36	19.44	8.69	7.91	5.05	89	67	78	5	196	1,276	28
Evansville	6.21	16.90	7.72	5.69	4.20	91	71	80	4	210	1,394	105
Glasgow	3.13	15.70	5.49	2.87	1.13	90	69	79	5	204	1,363	113
Grayson	3.48	17.15	5.35	6.57	1.70	87	67	77	4	187	1,184	95
Hardinsburg	1.39	12.28	3.47	0.45	-0.28	92	68	79	5	206	1,325	2
Henderson	7.00	16.95	8.93	5.49	5.25	89	70	79	3	206	1,397	55
Huntington	2.41	11.86	3.50	1.41	-0.05	91	68	78	5	198	1,251	65
Jackson	2.44	15.81	4.48	4.56	0.79	90	68	78	5	194	1,378	232
Lexington	2.94	17.68	5.38	6.77	1.81	91	68	79	6	202	1,300	117
London	0.73	10.30	4.18	-0.41	0.68	92	67	79	6	202	1,418	218
Louisville	4.11	18.10	5.39	6.83	1.92	94	72	82	8	224	1,540	266
Mayfield	2.06	15.35	5.98	2.93	2.49	91	71	80	4	210	1,418	41
Nashville	0.64	12.54	4.81	0.79	1.21	95	71	82	8	226	1,570	147
Nolin Lake	1.09	16.12	3.65	3.37	-0.33	94	68	81	7	218	1,546	336
Paducah	1.95	11.45	3.09	-1.33	-0.86	92	72	81	5	220	1,528	170
Princeton	1.49	13.07	3.63	0.61	-0.18	91	70	80	4	209	1,382	7
Quicksand	1.26	14.97	3.68	3.72	-0.01	91	64	78	5	194	1,262	116
Somerset	2.15	15.13	4.59	2.74	0.48	89	65	77	4	191	1,264	37
Spindletop	4.82	22.51	8.36	11.60	4.79	92	68	80	7	208	1,345	162
Williamstown	2.94	15.08	4.57	3.88	0.94	88	68	77	4	188	1,204	41

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