



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
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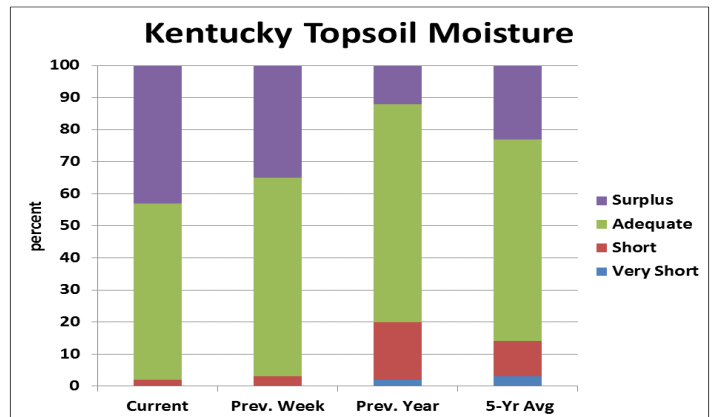
**Agricultural News:** Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.61 inches, 0.48 inches above normal. Temperatures averaged 58 degrees for the week, 8 degrees below normal. **Topsoil moisture** was rated 0 percent very short, 2 percent short, 55 percent adequate and 43 percent surplus. **Subsoil moisture** was rated 0 percent very short, 3 percent short, 66 percent adequate, and 31 percent surplus. Days suitable for fieldwork averaged 1.8 out of a possible seven.

Wet weather persisted this week, causing additional delays for planting activities and hay cutting. Where weather permitted, primary activities this week included limited planting and spraying, with a small amount of hay being harvested. Some producers intending to plant corn are changing to soybeans due to favorable prices and continued wet fields. Corn is yellowing due to saturated soils, denitrification, and leaching. The average height of emerged corn was 6 inches. Excessive rainfall has resulted in the deterioration of hay conditions as many fields are well past their ideal cutting date. Tobacco planting delays have left many plants in need of being transplanted as soon as possible.

**SOIL MOISTURE for week ending 05/22/16**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	2	55	43
Subsoil	-	3	66	31

- Represents zero.

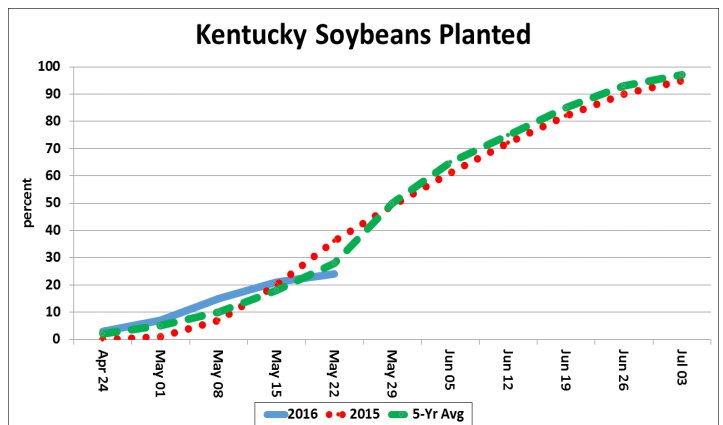
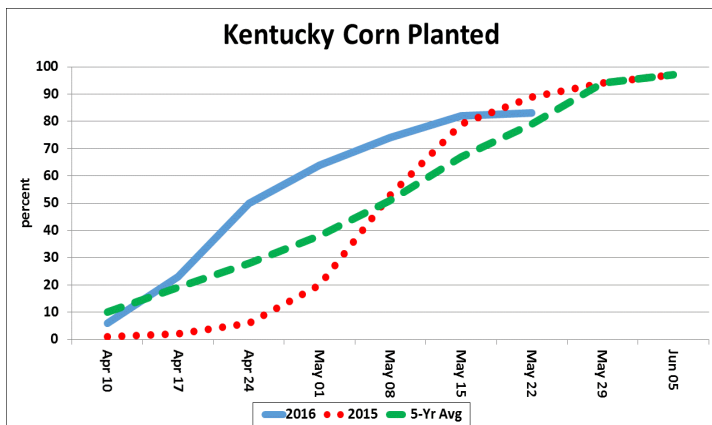


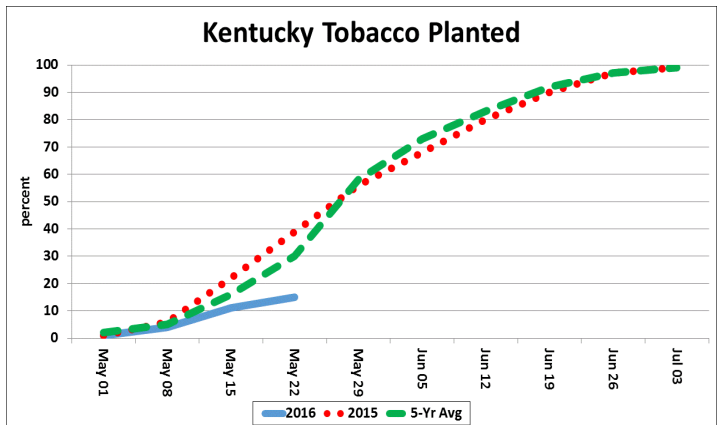
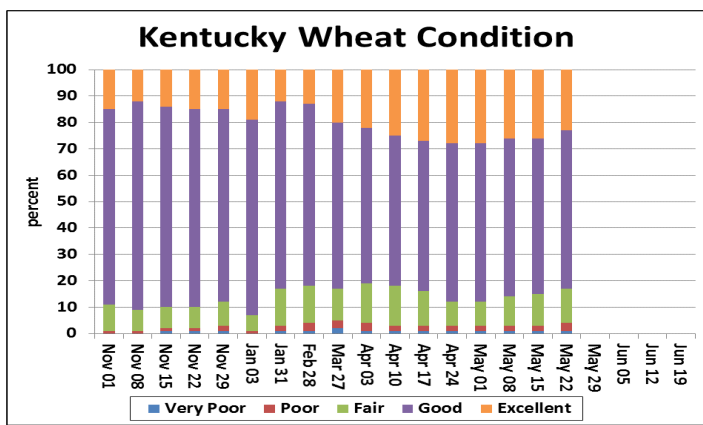
**CROP PROGRESS for week ending 05/22/16**

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	83	82	89	79
Corn Emerged	71	63	66	59
Soybeans Planted	24	21	36	28
Soybeans Emerged	12	7	15	14
Tobacco Set	15	11	39	30
Winter Wheat Headed	95	91	93	93

**CROP CONDITIONS for week ending 05/22/16**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	6	27	53	13
Pasture	1	6	20	61	12
Strawberries	1	3	24	63	9
Wheat	1	3	13	60	23





**Kentucky Climate Summary  
For the Period May 16, 2016 to May 22, 2016**

Well Below Normal Temperatures and Above Normal Rainfall:

Unseasonably cool and wet conditions remained in place across Kentucky this past week. The Bluegrass State saw a couple more rounds of widespread rainfall with the most significant coming on Friday. Kentucky was situated within a very moist air mass for this event and resulted in much of Central Kentucky seeing moderate to heavy rainfall. Much of this region saw 1 to 2 inches. Overall, the state averaged 1.61 inches for the week, which was nearly a half inch above normal. May is typically the wettest month of the year for Kentucky and May 2016 has been no different. Thus far, the state has averaged 4.87 inches for the month. While the wet pattern remained in place, Kentucky also saw some very cool temperatures for mid-May. A Frost Advisory was even issued for Monday morning as lows dropped into the 30s for much of Eastern Kentucky and the Bluegrass. Overall, Kentucky saw a third straight week of near to below normal temperatures.

Temperatures for the period averaged 58 degrees across the state which was 8 degrees cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 67 in the West to 66 in the East. Departure from normal high temperatures ranged from 12 degrees cooler than normal in the West to 11 degrees cooler than normal in the East. Low temperatures averaged from 51 degrees in the West to 48 degrees in the East. Departure from normal low temperature ranged from 5 degrees cooler than normal in the West to 3 degrees cooler than normal in the East. The extreme high temperature for the period was 82 degrees at PADUCAH ASOS and the extreme low was 32 degrees at OWENTON 5E.

Precipitation (liq. equ.) for the period totaled 1.61 inches statewide which was 0.48 inches above normal and 143% of normal. Precipitation totals by climate division, West 1.27 inches, Central 2.17 inches, Bluegrass 1.62 inches and East 1.39 inches, which was 0.15, 0.99, 0.54 and 0.26 inches above normal. By station, precipitation totals ranged from a low of 0.54 inches at HICKMAN 2E to a high of 4.41 inches at BOWLING GREEN 4E.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 05/22/16 4 p.m.**

Weather Station	Precipitation		Deviation From Norm Since Jan 1	Temperatures				Wkly. Avg.	Air Temp. Dev. From Normal
	Last Week	Since Jan 1		Soil		Air			
				4 In. Grass		High	Low		
				High	Low				
(Inches)	(Inches)	(Inches)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	
Bardstown	2.00	18.22	0.70	66	57	79	40	57	-11
Berea	1.95	17.95	0.23	--	--	75	38	56	-11
Bowling Green	2.13	14.77	-6.11	67	57	80	44	60	-8
Bristol	0.93	15.74	-0.70	--	--	74	36	62	-5
Buckhorn Lake	1.52	18.28	0.14	--	--	73	37	56	-11
Cape Girardeau	1.20	18.27	-1.09	--	--	81	45	60	-10
Campbellsville	2.56	21.35	0.40	--	--	76	40	57	-11
Covington	0.78	19.20	2.89	--	--	79	31	58	-9
Cumberland Gap	1.47	22.79	1.92	--	--	75	37	59	-8
Dix Dam	2.46	18.44	0.14	--	--	76	38	56	-11
Evansville	0.68	21.43	3.55	--	--	80	46	58	-12
Glasgow	2.52	22.14	0.89	67	60	76	44	58	-10
Grayson	1.57	18.30	2.49	--	--	76	33	56	-11
Hardinsburg	1.59	19.80	0.06	--	--	77	45	58	-10
Henderson	0.76	21.79	3.42	--	--	79	49	59	-11
Huntington	1.74	19.05	3.32	--	--	76	35	58	-9
Jackson	1.12	22.58	4.07	--	--	74	39	57	-10
Lexington	1.85	17.13	-0.39	67	53	77	38	57	-10
London	1.95	18.31	-0.13	--	--	76	40	58	-9
Louisville	1.51	18.58	0.25	--	--	82	44	59	-9
Mayfield	1.79	31.10	8.71	--	--	78	48	60	-10
Nashville	1.42	14.33	-5.76	--	--	81	48	63	-5
Nolin Lake	2.79	18.56	-1.88	--	--	78	45	59	-9
Paducah	0.86	21.30	0.69	71	57	82	45	60	-10
Princeton	1.79	21.81	0.32	71	57	77	47	58	-12
Quicksand	1.07	20.81	2.30	--	--	76	36	58	-9
Somerset	1.77	22.26	2.22	--	--	76	39	57	-10
Spindletop	2.56	22.60	5.08	67	53	77	37	57	-10
Williamstown	1.30	19.19	1.90	--	--	75	33	56	-11

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