



# 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

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**Agricultural News:** Kentucky experienced above normal temperatures and near normal rainfall over the past week. Precipitation for the week totaled 1.09 inches, 0.02 inches below normal. Temperatures averaged 70 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 3 percent short, 63 percent adequate and 34 percent surplus. **Subsoil moisture** was rated 2 percent short, 70 percent adequate, and 28 percent surplus. Days suitable for fieldwork averaged 3.1 out of a possible seven.

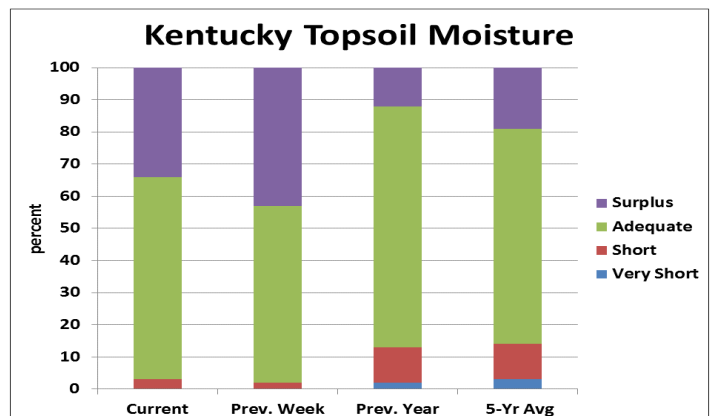
Primary activities this week included setting tobacco, harvesting hay, and planting corn and soybeans when conditions allowed. Isolated and severe storms left many fields wet with some reports of damage to corn, soybeans, and wheat from hail, wind, and flooding. Sidewall compaction may be an issue later in the season, especially for crops planted in wet fields. Some emerged corn is yellowing and showing signs of stress. Several corn and soybean fields have been or will need to be replanted. The average height of emerged corn was 9 inches, compared to 11 inches last year.

Producers cut and wrapped wheat for silage this week. Weather conditions finally allowed for some producers to cut hay and appears to be yielding well. However, quality of hay is declining due to over maturity. Hay and roughage supplies were reported as 1 percent very short, 10 percent short, 80 percent adequate, and 9 percent surplus.

**SOIL MOISTURE for week ending 05/29/16**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	3	63	34
Subsoil	-	2	70	28

- Represents zero.



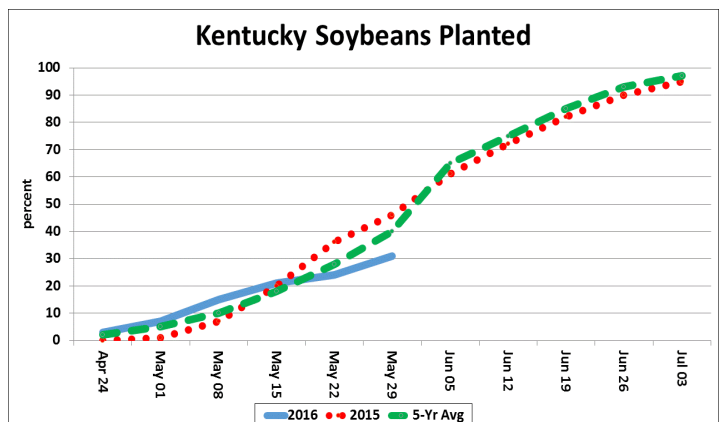
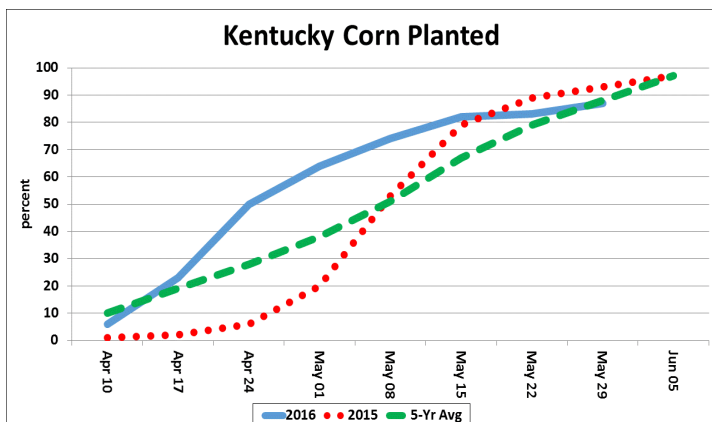
**CROP PROGRESS for week ending 05/29/16**

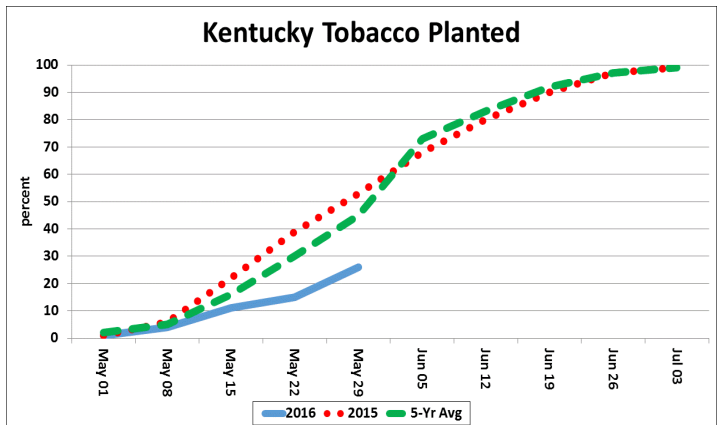
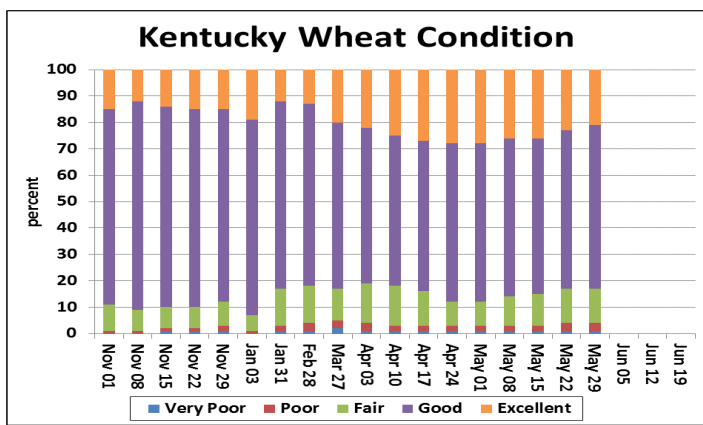
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	87	83	93	88
Corn Emerged	77	71	79	73
Soybeans Planted	31	24	46	40
Soybeans Emerged	20	12	25	24
Tobacco Set	26	15	53	45
Winter Wheat Coloring	30	-	29	-

- Represents not available.

**CROP CONDITIONS for week ending 05/29/16**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	6	25	54	13
Hay	1	7	32	52	8
Livestock	1	2	13	69	15
Pasture	1	6	22	59	12
Tobacco Set	1	2	29	61	7
Wheat	1	3	13	62	21





**Kentucky Climate Summary  
For the Period May 23, 2016 to May 29, 2016**

Above Normal Temperatures and Near Normal Rainfall:

After three straight weeks of near to below normal temperatures, Kentucky became situated within a summer-like pattern this past week. High temperatures were in the 80s about each day, with the hottest coming Friday as temperatures peaked in the mid to upper 80s statewide. In addition, Gulf moisture started pushing into Kentucky by Wednesday with muggy conditions sticking around through the end of the period. From mid-week onward, isolated to scattered showers and storms were seen on a near daily basis. The one exception came Thursday as most of the area saw rainfall as a line of storms pushed through the Lower Ohio Valley. Situated within a moist and unstable air mass for much of the period, storms were capable of frequent lightning and torrential rainfall, leading to flash flooding at times. For the week, rainfall totals were drastically different from one side of the state to the other. While Western Kentucky averaged 1.79 inches for the week, Eastern Kentucky only saw an average of 0.61.

Temperatures for the period averaged 70 degrees across the state which was 2 degrees warmer than normal and 12 degrees warmer than the previous period. High temperatures averaged from 82 in the West to 81 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 62 degrees in the West to 57 degrees in the East. Departure from normal low temperature ranged from 4 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 89 degrees at VANCEBURG 6W and the extreme low was 41 degrees at CYNTHIANA 8N.

Precipitation (liq. equ.) for the period totaled 1.09 inches statewide which was 0.02 inches below normal and 98% of normal. Precipitation totals by climate division, West 1.79 inches, Central 1.42 inches, Bluegrass 0.55 inches and East 0.61 inches, which was 0.69, 0.26, -0.53 and -0.51 inches respectively from normal. By station, precipitation totals ranged from a low of 0.07 inches at LOUISA 1S to a high of 5.01 inches at CAPE GIRARDEAU ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 05/29/16 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	1.09	19.31	0.78	74	61	85	51	71	2
Berea	1.17	19.12	0.31	--	--	85	44	69	1
Bowling Green	2.81	17.58	-4.41	78	63	88	50	72	3
Bristol	0.39	16.13	-1.19	--	--	88	47	68	0
Buckhorn Lake	0.17	18.45	-0.61	--	--	85	46	68	0
Cape Girardeau	5.01	23.28	2.74	--	--	87	50	72	1
Campbellsville	1.42	22.77	0.64	--	--	84	45	69	0
Covington	0.09	19.29	2.02	--	--	86	48	70	2
Cumberland Gap	0.31	23.10	1.14	--	--	85	44	68	0
Dix Dam	0.46	18.90	-0.47	--	--	85	47	70	2
Evansville	0.30	21.73	2.78	--	--	85	52	72	1
Glasgow	3.12	25.26	2.87	75	64	86	49	71	2
Grayson	0.08	18.38	1.60	--	--	86	44	69	1
Hardinsburg	0.86	20.66	-0.18	--	--	86	48	71	2
Henderson	0.67	22.46	3.06	--	--	86	57	72	1
Huntington	0.26	19.31	2.61	--	--	89	47	71	3
Jackson	0.64	23.22	3.70	--	--	87	50	71	3
Lexington	0.89	18.02	-0.51	72	60	86	46	71	3
London	0.51	18.82	-0.59	--	--	85	47	70	2
Louisville	0.48	19.06	-0.31	--	--	89	55	74	5
Mayfield	1.77	32.87	9.35	--	--	85	52	73	2
Nashville	0.29	14.62	-6.58	--	--	91	52	75	6
Nolin Lake	1.20	19.76	-1.92	--	--	89	48	73	4
Paducah	1.90	23.20	1.48	78	62	88	50	73	2
Princeton	1.71	23.52	0.91	78	62	85	52	72	1
Quicksand	1.74	22.55	3.03	--	--	87	46	69	1
Somersset	0.81	23.07	1.89	--	--	85	47	69	1
Spindletop	1.50	24.10	5.57	72	60	87	47	72	4
Williamstown	0.28	19.47	1.18	--	--	84	49	70	2

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