



# 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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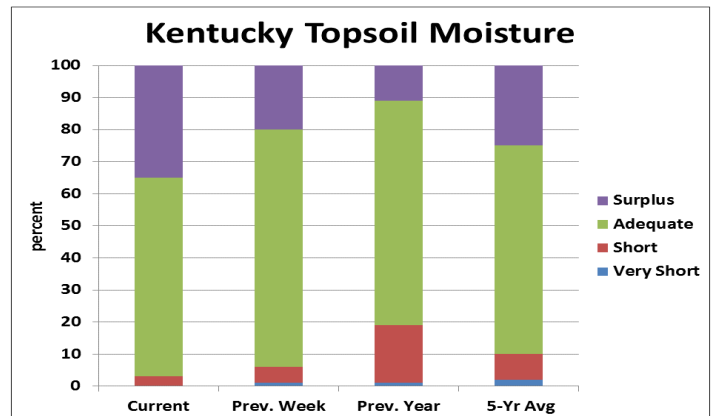
**Agricultural News:** Kentucky experienced near normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.86 inches, 0.74 inches above normal. Temperatures averaged 63 degrees for the week, unchanged from normal. **Topsoil moisture** was rated 3 percent short, 62 percent adequate and 35 percent surplus. **Subsoil moisture** was rated 3 percent short, 69 percent adequate, and 28 percent surplus. Days suitable for fieldwork averaged 2.1 out of a possible seven.

Primary activities this week included limited planting and spraying. Excessive rains and storms this week led to flooding, with standing water in many fields. Some fields will need to be replanted. There were also reports of crop damage due to large hail and strong winds; tornado touchdowns also occurred. Some hay fields lodged due to heavy rain and wind, with poor quality and harvest delays anticipated for first cutting. There were reports of lodging as well as stripe rust in winter wheat. Tobacco plant diseases are of concern due to damp weather conditions. Tobacco transplant supplies were reported as 2 percent short, 93 percent adequate, and 5 percent surplus. Ten percent of tobacco transplants were under 2 inches, with 42 percent between 2-4 inches, and 48 percent over 4 inches.

**SOIL MOISTURE for week ending 05/15/16**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	3	62	35
Subsoil	-	3	69	28

- Represents zero.



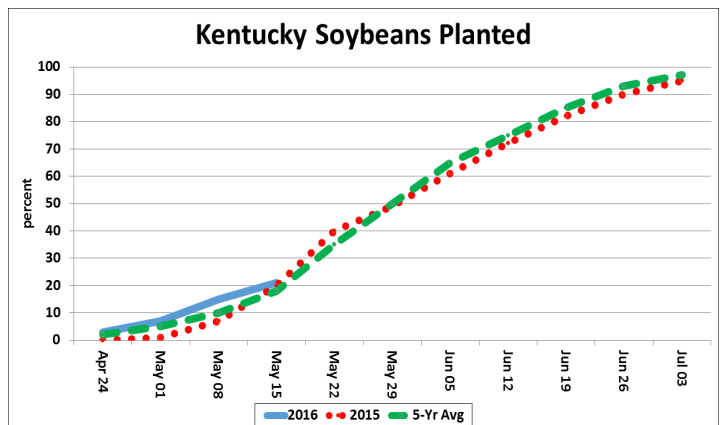
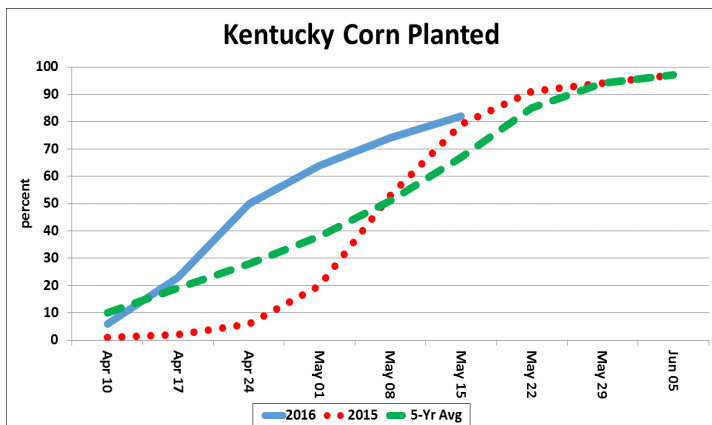
**CROP PROGRESS for week ending 05/15/16**

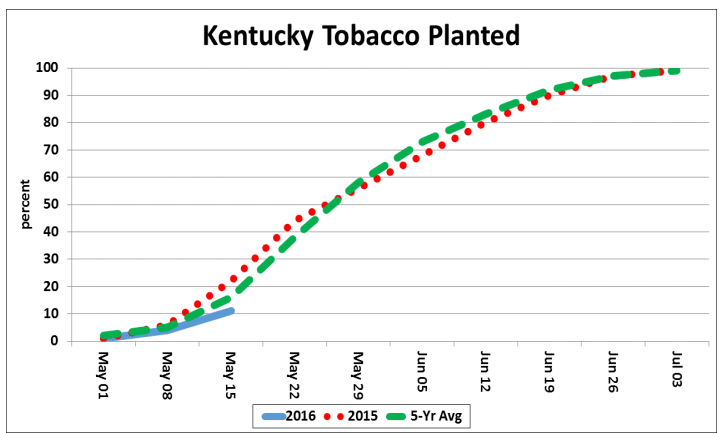
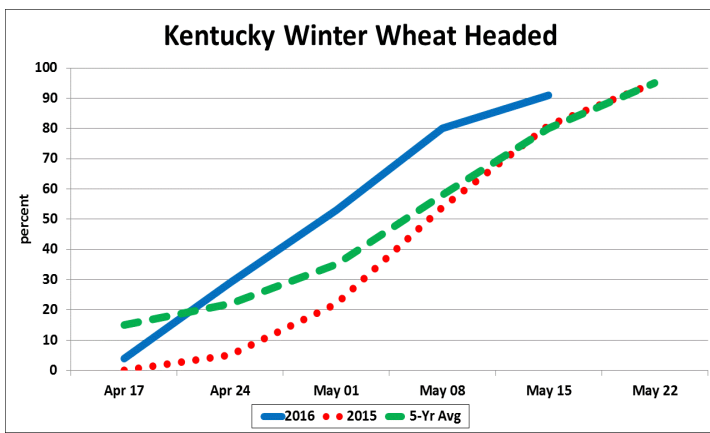
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	82	74	79	67
Corn Emerged	63	49	46	44
Soybeans Planted	21	15	20	18
Soybeans Emerged	7	-	3	6
Tobacco Set	11	4	22	16
Winter Wheat Headed	91	80	81	80

- Represents zero or not available.

**CROP CONDITIONS for week ending 05/15/16**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	4	21	60	14
Pasture	1	6	21	60	12
Wheat	1	2	12	59	26





**Kentucky Climate Summary  
For the Period May 9, 2016 to May 15, 2016**

Near Normal Temperatures and Above Normal Rainfall:

The Commonwealth saw several rounds of showers and storms throughout this past week, followed by well below normal temperatures over the weekend. While the active pattern started on Monday, the focus was on Tuesday through Thursday as Kentucky became situated within a very unstable air mass. Strong to severe storms were seen each day with most significant coming Tuesday as multiple tornadoes touched down in Western and Central Kentucky. Damaging winds, large hail, and excessive lightning provided additional hazards throughout the week, along with heavy rainfall from time to time. Overall, the state averaged 1.86 inches for the period. Over the past three weeks, the state has averaged 5.20 inches, which is nearly 2 inches above normal. By Thursday, much of the state had been placed under a flash flood watch with already-saturated grounds in place. Behind a passing cold front, attention then turned to a very cool weekend. Partly to mostly cloudy skies and breezy northwest winds led to highs in the upper 50s to middle 60s on Saturday. This was followed by lows Saturday night dropping into the middle 30s to low 40s, roughly 15 to 20 degrees below normal for mid-May.

Temperatures for the period averaged 63 degrees across the state which was near normal and 4 degrees warmer than the previous period. High temperatures averaged from 73 in the West to 72 in the East. Departure from normal high temperatures ranged from 4 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 55 degrees in the West to 54 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 86 degrees at PADUCAH ASOS and the extreme low was 34 degrees at HARTFORD 3E.

Precipitation (liq. equ.) for the period totaled 1.86 inches statewide which was 0.74 inches above normal and 166% of normal. Precipitation totals by climate division, West 2.52 inches, Central 1.65 inches, Bluegrass 1.59 inches and East 1.68 inches, which was 1.34, 0.47, 0.54 and 0.61 inches above normal. By station, precipitation totals ranged from a low of 0.41 inches at ALBANY 1N to a high of 3.84 inches at MORGANFIELD 4E.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 05/15/16 4 p.m.**

Weather Station	Precipitation		Deviation From Norm Since Jan 1	Temperatures				Air Temp. Dev. From Normal	
	Last Week	Since Jan 1		Soil		Air			Wkly. Avg.
				4 In. Grass		High	Low		
				High	Low				
(Inches)	(Inches)	(Inches)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)		
Bardstown	2.74	16.22	-0.29	70	59	83	38	63	-3
Berea	2.18	16.00	-0.64	--	--	81	42	63	-2
Bowling Green	0.18	12.64	-7.12	72	58	83	41	66	0
Bristol	2.70	14.81	-0.75	--	--	83	35	65	0
Buckhorn Lake	1.66	16.76	-0.45	--	--	80	40	63	-2
Cape Girardeau	2.13	17.07	-1.12	--	--	86	41	65	-3
Campbellsville	2.52	18.79	-0.99	--	--	79	37	62	-4
Covington	1.32	18.42	3.08	--	--	82	42	61	-4
Cumberland Gap	2.37	21.32	1.53	--	--	80	37	63	-2
Dix Dam	2.50	15.98	-1.25	--	--	79	41	62	-3
Evansville	2.44	20.75	3.94	--	--	81	39	62	-6
Glasgow	2.13	19.62	-0.49	71	62	80	38	63	-3
Grayson	1.40	16.73	1.88	--	--	80	42	62	-3
Hardinsburg	2.10	18.21	-0.43	--	--	78	34	62	-4
Henderson	3.58	21.03	3.69	--	--	81	43	64	-4
Huntington	0.88	17.31	2.54	--	--	84	42	63	-2
Jackson	1.37	21.46	3.96	--	--	83	41	64	-1
Lexington	2.85	15.28	-1.23	70	57	82	41	63	-2
London	2.44	16.36	-1.12	--	--	80	38	64	-1
Louisville	1.67	17.07	-0.22	--	--	86	44	65	-1
Mayfield	3.21	29.31	8.06	--	--	83	39	64	-4
Nashville	0.32	12.91	-6.08	--	--	90	40	69	3
Nolin Lake	1.58	15.77	-3.43	--	--	85	37	67	1
Paducah	2.50	20.44	0.95	75	59	86	40	65	-3
Princeton	2.61	20.02	-0.35	75	59	79	39	63	-5
Quicksand	1.34	19.74	2.24	--	--	83	39	62	-3
Somerset	2.51	20.49	1.60	--	--	80	36	62	-3
Spindletop	3.61	20.04	3.53	70	57	84	43	63	-2
Williamstown	1.98	17.89	1.60	--	--	77	39	60	-5

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