



# 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 precipitation over the past week. Precipitation for the week totaled 1.40 inches, 0.38 inches above normal. Temperatures averaged 56 degrees for the week, 1 degree above normal. **Topsoil moisture** was rated 50 percent adequate and 50 percent surplus. **Subsoil moisture** was rated 55 percent adequate and 45 percent surplus. Days suitable for fieldwork averaged 3.6 out of a possible seven.

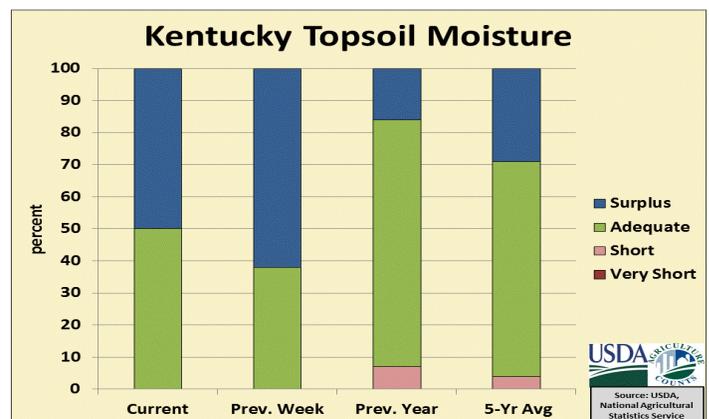
Primary activities for this week included seeding of tobacco transplants, corn planting, and fertilizer application when weather permitted. There were a few days conducive to field work, however cold temperatures and rain returned for the weekend. Corn planting continues to lag behind 2016 and 2017 at this juncture of the season. Seventy-two percent of tobacco transplants were under 4 inches, with 24 percent 2-4 inches, and 4 percent above 4 inches.

The majority of winter wheat and alfalfa were not subjected to freeze damage. Winter wheat freeze damage was reported as 2 percent moderate, 20 percent light, and 78 percent experiencing none. The average height of winter wheat was 13 inches. Alfalfa freeze damage was reported as 1 percent severe, 12 percent moderate, 33 percent light, and 54 percent experiencing none. The average height of alfalfa was 7 inches. The return of rain and cold temperatures is taking a toll on pastures and some producers reported a shortage of hay.

**SOIL MOISTURE for week ending 04/15/18**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	-	50	50
Subsoil	-	-	55	45

- Represents zero.



**CROP PROGRESS for week ending 04/15/18**

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Planted	3	-	17	10
Tobacco Transplants Seeded	71	64	79	81
Winter Wheat Headed	1	-	-1	-1

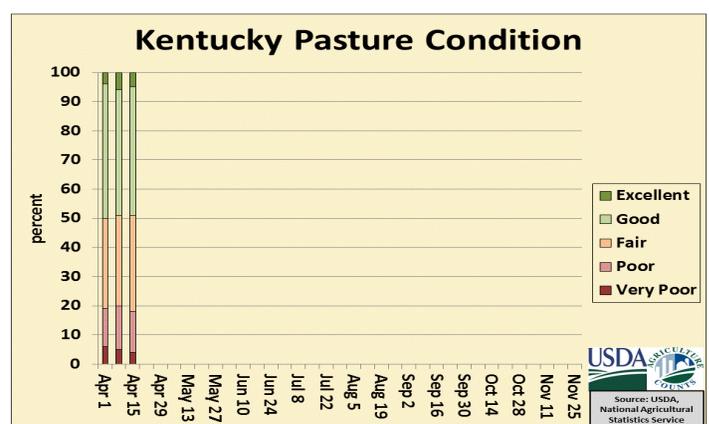
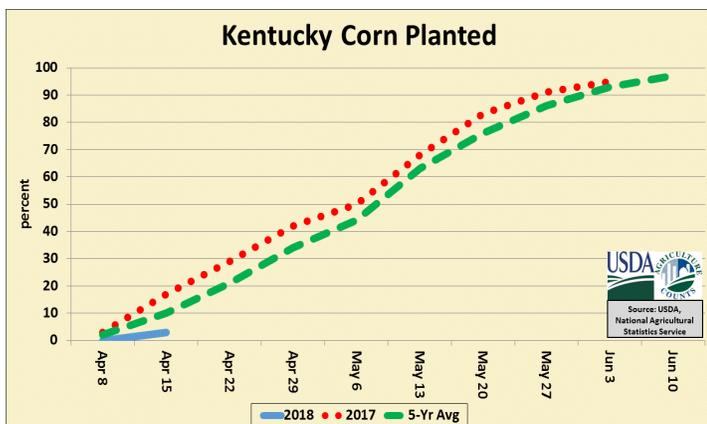
- Represents zero.

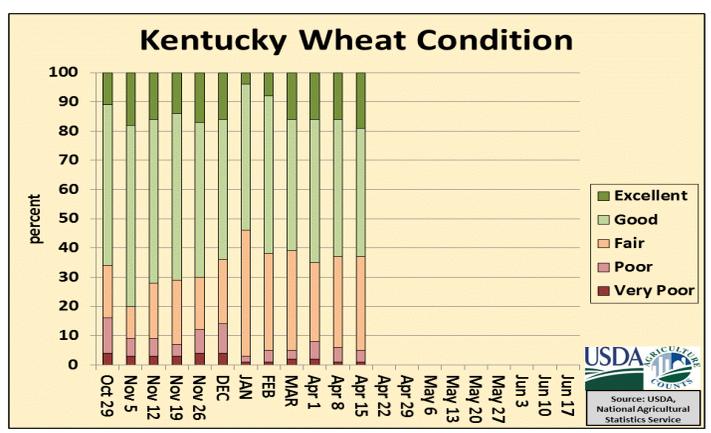
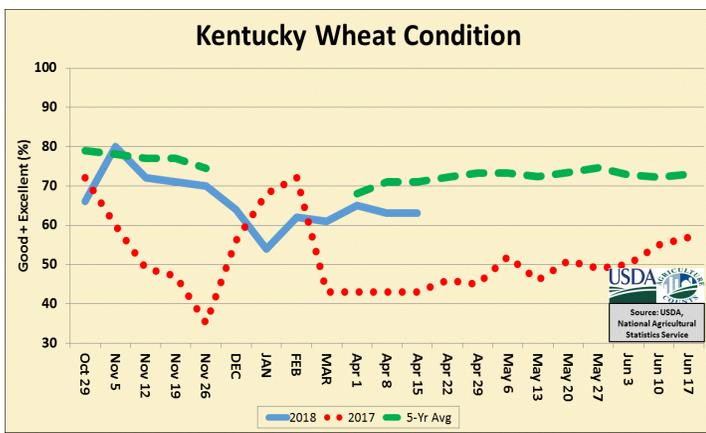
-1 Not available.

**CROP CONDITIONS for week ending 04/15/18**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Pasture	4	14	33	44	5
Tobacco Transplants	-	1	11	80	8
Wheat	1	4	32	44	19

- Represents zero.





**Kentucky Climate Summary  
For the Period April 9, 2018 to April 15, 2018**

Above Normal Temperatures and Precipitation:

High pressure kept the area dry through the workweek, but with a large swing in temperatures. With the center of the high situated east of the state on Monday and Tuesday, northerly flow kept temperatures well below normal. Lows dropped into the upper 20s to middle 30s on Tuesday night, prompting Freeze Warnings and Frost Advisories to be issued. As the high moved east of Kentucky on Wednesday, breezy southwest flow led to an abrupt warm up across the area, eventually hitting the upper 70s to low 80s on Friday. While it did get warm, a combination of high winds, low humidity, and dry fuels did lead to some fire weather concerns. Kentucky soils did get a chance to dry out through Friday, but rounds of rainfall returned over the weekend. A light and steady rainfall led to a soaking 1 to 2+ inches for most of Kentucky. Overall, the state averaged 1.40 inches, which led to a fourth straight week of above normal rainfall.

Temperatures for the period averaged 56 degrees across the state which was 1 degree warmer than normal and 12 degrees warmer than the previous period. High temperatures averaged from 65 in the West to 68 in the East. Departure from normal high temperatures ranged from 4 degrees cooler than normal in the West to near normal in the East. Low temperatures averaged from 46 degrees in the West to 44 degrees in the East. Departure from normal low temperature ranged from 1 degree warmer than normal in the West to 4 degrees warmer than normal in the East. The extreme high temperature for the period was 86 degrees at LOUISA 1S and the extreme low was 24 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 1.40 inches statewide which was 0.38 inches above normal and 137% of normal. Precipitation totals by climate division, West 1.56 inches, Central 1.41 inches, Bluegrass 1.37 inches and East 1.27 inches, which was 0.4, 0.37, 0.44 and 0.32 inches above normal. By station, precipitation totals ranged from a low of 0.04 inches at MONTICELLO AWOS to a high of 3.34 inches at WHITLEY CITY 3N.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 04/15/18 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	1.24	22.79	10.38	57	45	78	28	55	0
Berea	2.00	20.14	7.96	--	--	81	27	55	1
Bowling Green	1.56	18.42	3.21	63	44	82	30	58	3
Bristol	1.37	15.65	3.63	--	--	77	30	56	2
Buckhorn Lake	0.56	16.39	3.04	--	--	83	31	57	3
Cape Girardeau	1.55	20.84	7.38	--	--	79	30	54	-4
Campbellsville	1.22	20.18	5.28	--	--	80	28	56	1
Covington	1.41	19.29	7.90	--	--	80	26	54	0
Cumberland Gap	1.18	20.39	4.97	--	--	81	29	56	2
Dix Dam	1.13	19.96	7.13	--	--	80	28	55	1
Evansville	1.23	18.61	6.11	--	--	80	31	54	-4
Glasgow	1.33	17.54	2.16	58	44	79	30	56	1
Grayson	1.97	19.00	8.03	--	--	83	27	55	1
Hardinsburg	1.67	21.91	7.79	--	--	83	26	56	1
Henderson	1.50	18.62	5.61	--	--	80	31	56	-2
Huntington	0.99	16.72	5.81	--	--	86	32	57	3
Jackson	0.77	20.51	7.23	--	--	83	32	57	3
Lexington	1.44	20.63	8.22	58	44	81	29	56	2
London	2.07	19.12	5.66	--	--	81	31	56	2
Louisville	0.99	21.24	8.30	--	--	83	33	58	3
Mayfield	1.62	23.22	6.92	--	--	81	30	55	-3
Nashville	1.63	20.28	5.83	--	--	82	33	59	4
Nolin Lake	1.23	20.34	6.05	--	--	81	29	57	2
Paducah	1.06	19.55	4.96	65	43	82	30	56	-2
Princeton	1.81	19.90	4.33	65	43	80	29	57	-1
Quicksand	0.77	18.10	4.82	--	--	83	30	56	2
Somerset	1.36	20.38	6.11	--	--	81	29	56	2
Spindletop	1.44	20.63	8.22	58	43	80	30	55	1
Williamstown	1.27	18.60	6.51	--	--	80	27	54	0

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