



# 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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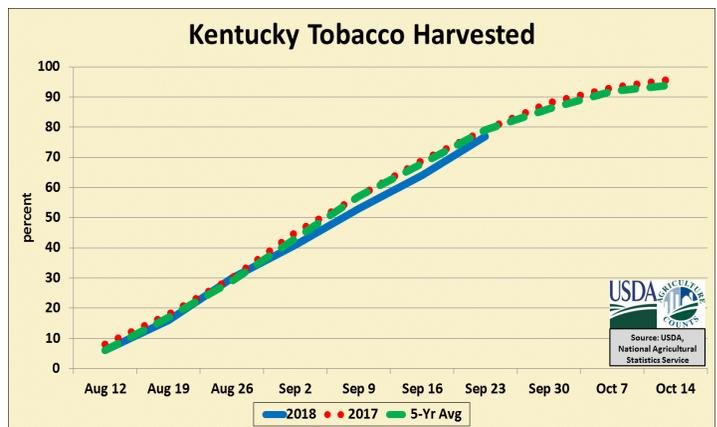
Issue: 30-18

**Agricultural News:** Kentucky experienced above normal temperatures and well above normal rainfall over the past week. Precipitation for the week totaled 2.19 inches, 1.36 inches above normal. Temperatures averaged 75 degrees for the week, 8 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 9 percent short, 72 percent adequate and 18 percent surplus. **Subsoil moisture** was rated 3 percent very short, 11 percent short, 71 percent adequate, and 15 percent surplus. Days suitable for fieldwork averaged 5.1 out of a possible seven.

Primary activities this week included harvesting corn, soybeans, tobacco, and hay. Wet weather over most of the state from remnants of Florence delayed fieldwork at times and made harvesting activities difficult. Northern and eastern counties that have experienced higher precipitation totals over the season have some flooded fields and are reporting increased disease pressure. Rainfall and higher temperatures this week, as well as forecasted rain next week, have some tobacco producers concerned over harvesting fields in time and house burn exposure.

**SOIL MOISTURE for week ending 09/23/18**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	9	72	18
Subsoil	3	11	71	15



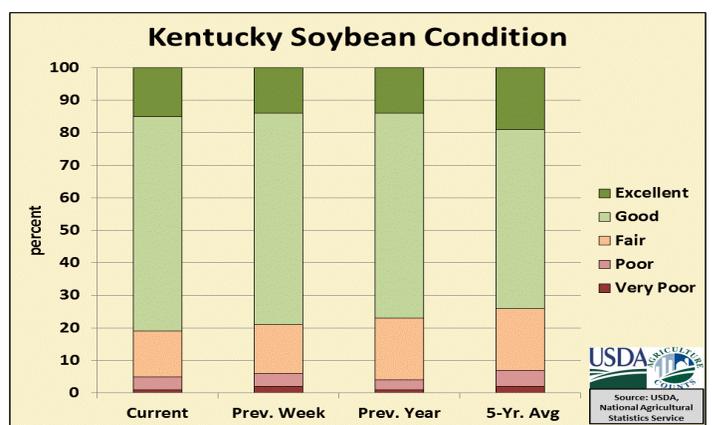
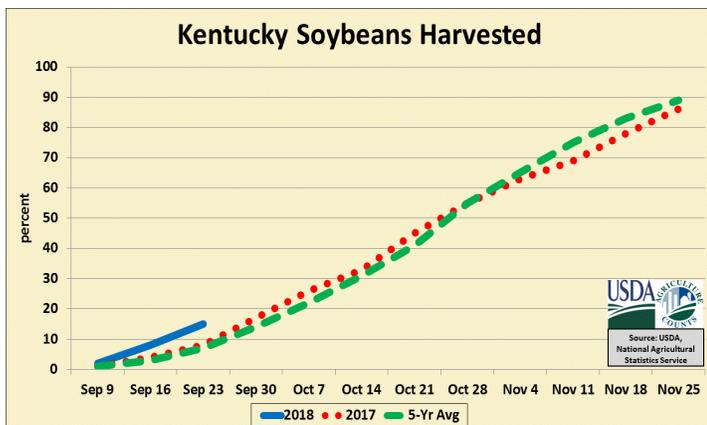
**CROP PROGRESS for week ending 09/23/18**

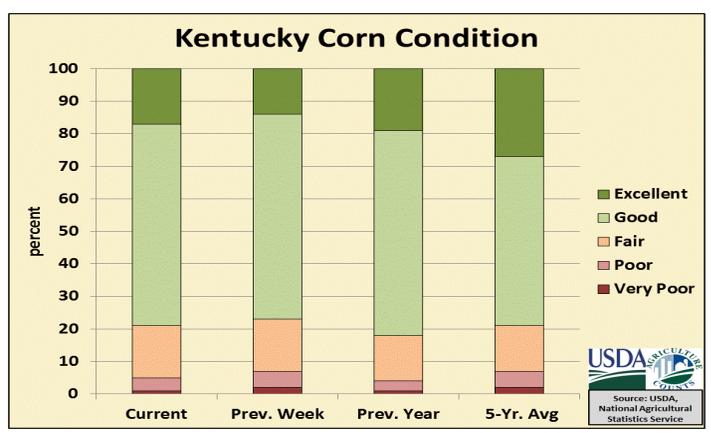
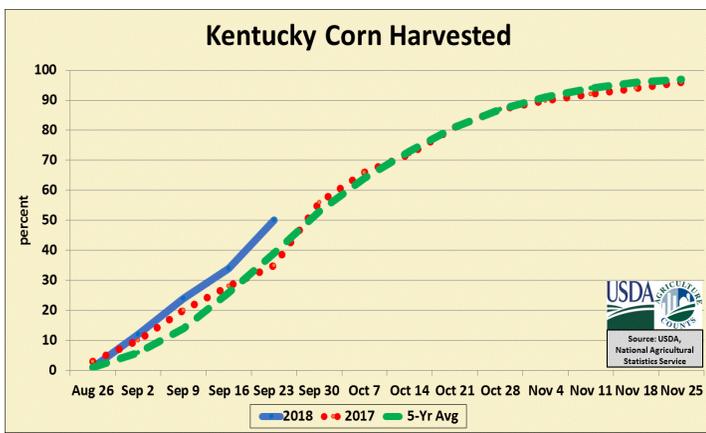
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Dent	96	94	96	95
Corn Mature	87	81	81	82
Corn Harvested	50	34	35	39
Soybeans Coloring	74	61	64	-
Soybeans Dropping Leaves	46	32	37	37
Soybeans Harvested	15	8	8	7
Tobacco Cut	77	64	79	79
Winter Wheat Seeded	2	-	-	-

- Represents when data is not available.

**CROP CONDITIONS for week ending 09/23/18**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	4	16	62	17
Hay	1	5	26	57	11
Pasture	2	7	18	62	11
Soybeans	1	4	14	66	15
Tobacco Housed	2	4	13	69	12





**Kentucky Climate Summary  
For the Period September 17, 2018 to September 23, 2018**

Above Normal Temperatures and Well Above Normal Rainfall:

This past week added to an already wet month for the Bluegrass State. Starting out, the remnant low of Florence drifted north across the eastern border of Kentucky on Monday. Light to moderate showers continued to fall across primarily the eastern half of the state, before the system moved out of the area that night. Summer heat and isolated afternoon storms then returned the next few days. Highs jumped into the low to middle 90s, much above normal highs of upper 70s to low 80s for this time of year. With that said, a strong cold front passed through the area Friday and Friday night. Ahead and along the boundary, thunderstorms developed within an unstable atmosphere, even forming a line at one point, producing gusty winds and heavy rain. While cooler temperatures arrived for the first day of fall on Saturday, the frontal passage signaled the start of a very active weekend in which several rounds of showers pushed through the state. Steady moderate showers even led to substantial flooding across portions of the Southern Bluegrass. Overall, the state averaged 1.75 inches over the past 3 days and 2.19 inches for the week.

Temperatures for the period averaged 75 degrees across the state which was 8 degrees warmer than normal and 4 degrees warmer than the previous period. High temperatures averaged from 86 in the West to 81 in the East. Departure from normal high temperatures ranged from 5 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 66 degrees in the West to 67 degrees in the East. Departure from normal low temperatures ranged from 9 degrees warmer than normal in the West to 13 degrees warmer than normal in the East. The extreme high temperature for the period was 99 degrees at MADISONVILLE 4S and the extreme low was 57 degrees at ALEXANDRIA 5NW.

Precipitation (liq. equ.) for the period totaled 2.19 inches statewide which was 1.36 inches above normal and 263% of normal. Precipitation totals by climate division, West 1.48 inches, Central 2.29 inches, Bluegrass 2.46 inches and East 2.52 inches, which was 0.63, 1.38, 1.71 and 1.7 inches above normal. By station, precipitation totals ranged from a low of 0.29 inches at EVANSVILLE ASOS to a high of 5.20 inches at MUNFORDVILLE 6E.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 09/23/18 4 p.m.**

Weather Station	Rainfall			Deviation From		Air Temperatures				Relative Humidity	
	Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.	Average High	
	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Degrees Fahrenheit)					
Bardstown	3.79	29.71	6.03	6.32	2.94	92	59	75	9	98	42
Berea	2.65	38.08	7.33	13.58	3.62	90	63	73	8	88	38
Bowling Green	1.14	20.49	4.26	-4.04	0.84	95	64	78	12	100	36
Bristol	0.15	15.13	2.77	-5.60	-0.24	90	62	73	8	100	47
Buckhorn Lake	3.09	27.17	6.48	3.86	3.09	87	63	73	8	100	42
Cape Girardeau	1.14	26.60	4.49	3.74	1.19	94	61	75	7	100	42
Campbellsville	1.60	24.49	4.31	-3.10	0.02	91	62	74	8	96	53
Covington	0.36	27.78	5.74	6.11	2.99	90	58	74	9	100	44
Cumberland Gap	2.60	30.53	3.84	5.42	0.78	89	65	75	10	100	47
Dix Dam	2.49	34.47	7.75	10.37	4.51	90	62	74	9	96	47
Evansville	0.29	26.92	3.54	5.23	0.76	94	60	77	9	100	38
Glasgow	1.22	27.66	4.30	1.13	0.67	92	63	75	9	96	37
Grayson	3.72	42.13	10.58	19.68	7.87	89	59	72	7	86	50
Hardinsburg	1.79	28.13	5.03	3.81	1.62	95	62	76	10	100	44
Henderson	0.60	18.41	2.28	-4.10	-0.88	96	61	76	8	100	38
Huntington	2.09	30.32	7.69	7.74	4.91	89	59	74	9	100	10
Jackson	3.65	31.24	7.28	6.88	3.93	90	61	74	9	97	49
Lexington	3.69	34.21	8.78	10.82	5.69	91	61	74	9	96	47
London	1.68	31.16	5.50	8.62	2.30	90	64	74	9	100	48
Louisville	2.45	34.17	8.45	11.39	5.46	94	61	78	12	97	40
Mayfield	2.19	23.68	4.04	-1.11	0.38	96	62	77	9	86	50
Nashville	2.84	20.12	4.78	-2.74	1.61	97	68	80	14	100	10
Nolin Lake	4.38	29.12	8.36	3.15	4.52	96	61	77	11	96	37
Paducah	1.43	25.68	4.94	1.32	1.57	97	60	77	9	93	37
Princeton	1.86	25.13	3.01	0.67	-0.19	95	61	77	9	100	33
Quicksand	2.75	29.54	6.14	5.18	2.79	89	64	74	9	86	50
Somerset	1.54	32.10	3.65	6.56	-0.05	90	63	74	9	100	42
Spindletop	3.83	42.38	11.89	19.99	8.80	94	60	75	10	98	45
Williamstown	3.15	35.61	8.39	12.57	5.34	90	58	73	8	86	50

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364. Missing data estimated by Doppler radar, Midwest Climate Service, and UK Ag Weather Center.