



# 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 well above normal temperatures and much below normal rainfall over the past week. Precipitation for the week totaled 0.16 inches, 0.69 inches below normal. Temperatures averaged 74 degrees for the week, 9 degrees above normal. **Topsoil moisture** was rated 43 percent very short, 44 percent short, and 13 percent adequate. **Subsoil moisture** was rated 34 percent very short, 46 percent short, and 20 percent adequate. Days suitable for fieldwork averaged 6.6 out of a possible seven.

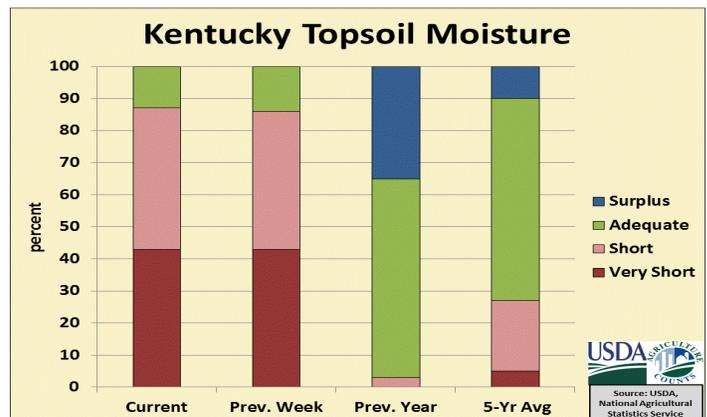
Primary activities for this week included harvesting corn, soybeans, tobacco, and hay. Planting of winter wheat has begun, however the majority of the crop is not yet in the ground. Hot and dry conditions persist throughout the state bringing concerns to farmers. Both corn and soybeans are drying down quickly. Some farmers fear that soybeans may be particularly susceptible to weather conditions due to the stage of the crop at this juncture.

Pastures and livestock are very stressed due to the continued drought and heat. Many farmers have begun feeding hay to compensate for the lack of pasture growth. Hay supplies were reported as 10 percent very short, 28 percent short, 60 percent adequate, and 2 percent surplus. Tobacco houseburn was reported as 2 percent severe, 8 percent moderate, 27 percent light, and 63 percent none evident.

**SOIL MOISTURE for week ending 09/29/19**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	43	44	13	-
Subsoil	34	46	20	-

- Represents zero.



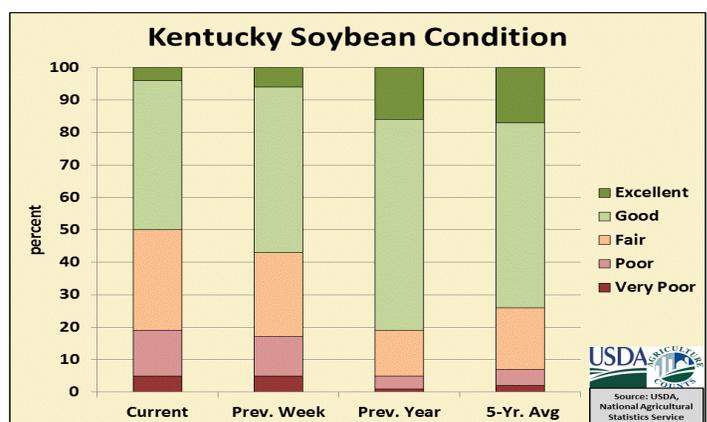
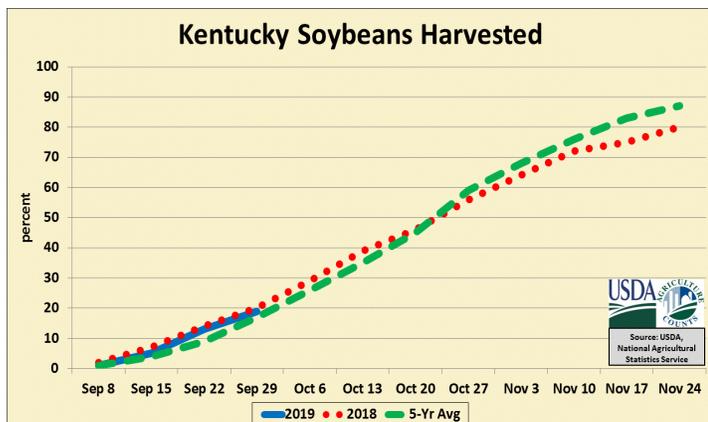
**CROP PROGRESS for week ending 09/29/19**

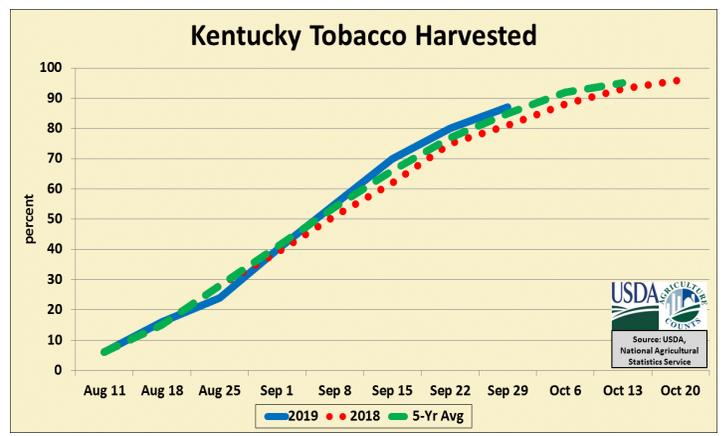
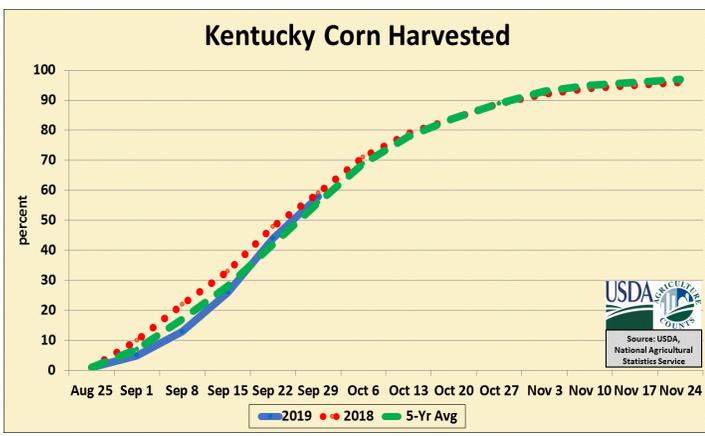
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Dent	99	96	99	98
Corn Mature	90	82	91	90
Corn Harvested	58	44	59	56
Soybeans Coloring	77	65	80	77
Soybeans Dropping Leaves	55	41	58	53
Soybeans Harvested	19	13	20	17
Tobacco Cut	87	80	81	85
Winter Wheat Seeded	4	1	5	4

**CROP CONDITIONS for week ending 09/29/19**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	3	8	23	46	20
Livestock	1	8	25	62	4
Pasture	24	36	29	11	-
Soybeans	5	14	31	46	4
Tobacco Housed	2	6	27	59	6

- Represents zero.





**Kentucky Climate Summary**  
**For the Period September 23, 2019 to September 29, 2019**

Well Above Normal Temperatures and Much Below Normal Rainfall:

The state of Kentucky has now went four straight weeks with much below normal rainfall. Month-to-date rainfall through the 29th shows the Bluegrass State has only averaged 0.27 inches for the month, which is over three inches below normal. The state only averaged 0.16 inches for this period. Portions of Western Kentucky saw better coverage on Thursday and came in at 0.31. Still though, Kentucky did not see any drought busters. The US Drought Monitor upgraded portions of North Central and Southeastern Kentucky into a ‘Severe’ drought, while also expanding ‘Moderate’ drought to cover over half of the state. Looking at temperatures, even though the fall season arrived this past week, heat stuck around. Highs were back in the low to middle 90s over the weekend. A combination of dry conditions, low humidity, and breezy winds at times has led to an enhanced fire danger, prompting many counties to issue burn bans.

Temperatures for the period averaged 74 degrees across the state which was 9 degrees warmer than normal and 2 degrees cooler than the previous period. High temperatures averaged from 86 in the West to 85 in the East. Departure from normal high temperatures ranged from 7 degrees warmer than normal in the West to 9 degrees warmer than normal in the East. Low temperatures averaged from 62 degrees in the West to 60 degrees in the East. Departure from normal low temperature ranged from 8 degrees warmer than normal in the West to 9 degrees warmer than normal in the East. The extreme high temperature for the period was 97 degrees at BOWLING GREEN APT and the extreme low was 43 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 0.16 inches statewide which was 0.69 inches below normal and 19% of normal. Precipitation totals by climate division, West 0.31 inches, Central 0.13 inches, Bluegrass 0.07 inches and East 0.12 inches, which was 0.55, 0.8, 0.7 and 0.71 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at FORT KNOX to a high of 1.59 inches at CADIZ 4SW.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 09/29/19 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   Low	
	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)	(Degrees Fahrenheit)					
Bardstown	0.02	24.42	0.02	0.39	-2.97	94	51	74	9	97	22
Berea	0.00	24.24	0.00	-1.06	-3.73	93	44	70	6	100	23
Bowling Green	0.21	25.37	0.21	0.09	-3.26	97	54	77	12	93	27
Bristol	0.00	23.76	0.68	2.38	-2.36	93	52	74	10	100	30
Buckhorn Lake	0.08	22.57	0.08	-1.47	-3.34	92	49	73	9	93	24
Cape Girardeau	0.41	32.68	2.66	9.11	-0.67	92	52	74	7	100	15
Campbellsville	0.28	22.11	0.28	-6.41	-4.05	93	49	72	7	100	31
Covington	0.11	26.41	0.60	4.17	-2.09	93	50	75	11	93	23
Cumberland Gap	0.35	29.35	0.39	3.62	-2.48	79	51	66	2	100	38
Dix Dam	0.05	22.63	0.05	-2.16	-3.13	95	50	75	11	89	20
Evansville	0.07	27.42	0.08	5.14	-2.69	95	52	75	8	100	27
Glasgow	0.08	24.40	0.08	-2.91	-3.55	94	51	73	8	100	32
Grayson	0.08	24.98	0.08	1.98	-2.49	94	46	72	8	100	24
Hardinsburg	0.02	28.16	0.02	3.11	-3.39	94	48	72	7	100	31
Henderson	0.01	21.48	0.01	-1.72	-3.22	95	46	72	5	100	26
Huntington	0.01	23.23	0.01	0.09	-2.60	90	47	70	6	100	24
Jackson	0.00	24.29	0.00	-0.77	-3.29	95	53	75	11	100	23
Lexington	0.00	21.98	0.00	-2.05	-2.99	96	50	76	12	89	20
London	0.11	27.04	0.11	3.81	-3.14	92	49	72	8	97	23
Louisville	0.04	23.09	0.04	-0.32	-2.91	96	57	78	13	78	23
Mayfield	0.10	25.83	0.10	0.24	-3.61	94	46	71	4	100	35
Nashville	0.01	23.23	0.02	-0.32	-3.16	97	57	79	14	100	27
Nolin Lake	0.12	28.38	0.12	1.57	-3.82	94	52	76	11	97	25
Paducah	0.32	33.58	0.32	8.48	-3.12	94	49	74	7	97	33
Princeton	0.34	24.21	0.34	-0.92	-2.77	92	50	72	5	99	33
Quicksand	0.04	22.74	0.04	-2.32	-3.25	94	45	71	7	86	47
Somerset	0.13	26.07	0.13	-0.27	-3.60	92	44	70	6	100	22
Spindletop	0.00	21.28	0.00	-2.75	-2.99	97	50	75	11	97	20
Williamstown	0.03	26.97	0.30	3.30	-2.68	93	48	72	8	99	30

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