



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

Released: September 3, 2019

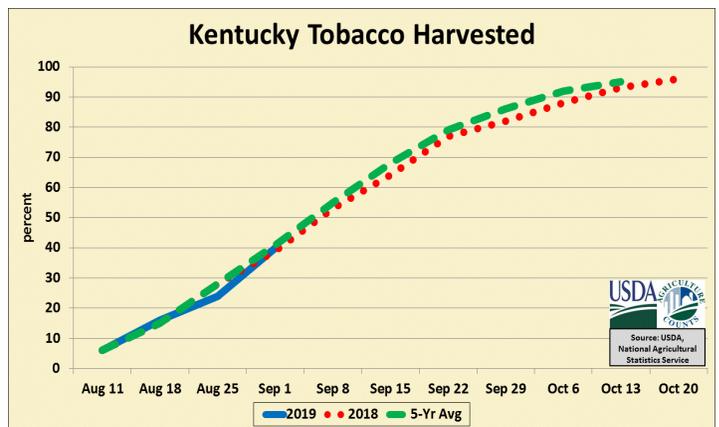
Issue: 25-19

Agricultural News: Kentucky experienced below normal temperatures and above normal rainfall over the past week. Precipitation for the week totaled 1.26 inches, 0.52 inches above normal. Temperatures averaged 73 degrees for the week, 1 degree below normal. **Topsoil moisture** was rated 8 percent very short, 34 percent short, 56 percent adequate and 2 percent surplus. **Subsoil moisture** was rated 7 percent very short, 35 percent short, 56 percent adequate, and 2 percent surplus. Days suitable for fieldwork averaged 5.7 out of a possible seven.

Primary activities for this week included harvesting corn and hay along with topping and cutting tobacco. There was a period of cooler temperatures and widespread precipitation this past week offering some drought relief. Corn harvest is still in the early stages, but has been initiated. Due to a very wet planting season, there is a great deal of geographic variance in crop stages. Pasture have benefitted from the rain and cool temperatures, however another dry spell will halt the improvement.

SOIL MOISTURE for week ending 09/01/19

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	8	34	56	2
Subsoil	7	35	56	2



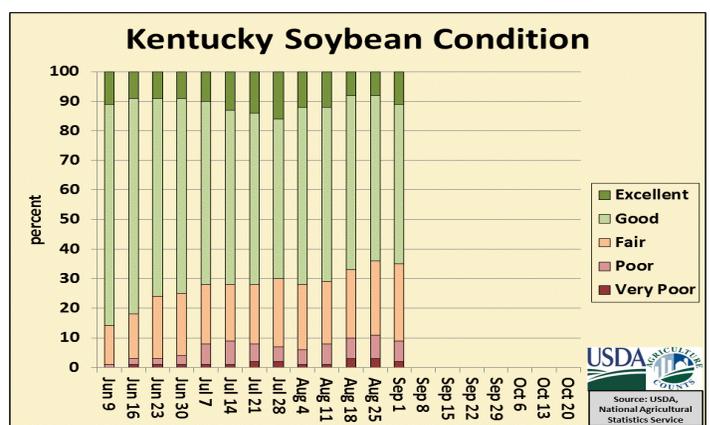
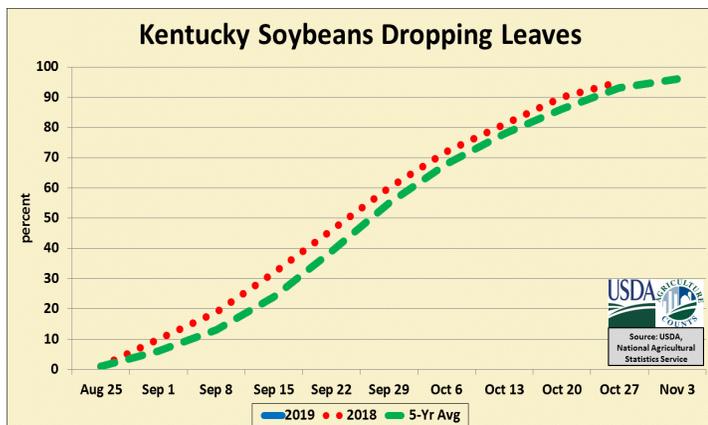
CROP PROGRESS for week ending 09/01/19

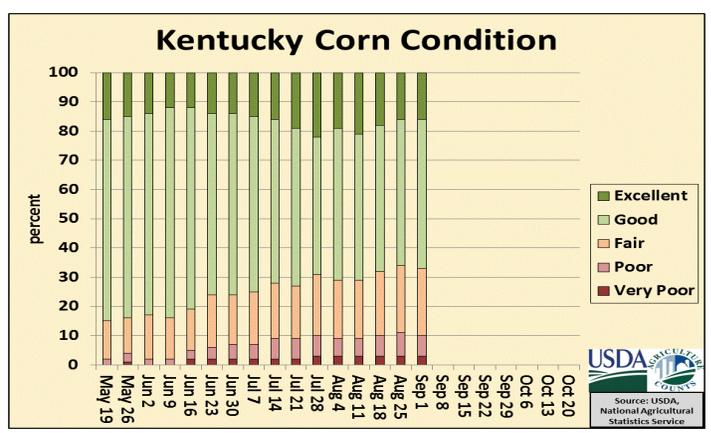
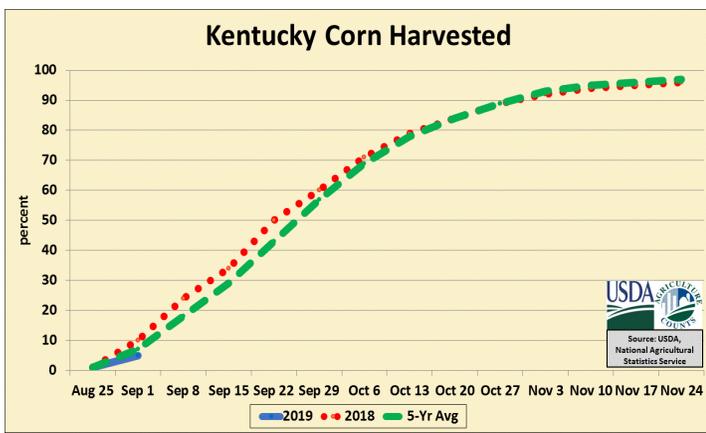
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Milked	91	86	98	97
Corn Dough	83	76	92	90
Corn Dent	70	57	80	77
Corn Mature	40	23	57	45
Corn Harvested	5	1	10	7
Soybeans Blooming	91	87	98	95
Soybeans Setting Pods	80	69	89	85
Soybeans Coloring	22	16	31	24
Soybeans Dropping Leaves	2	-	10	6
Tobacco Blooming	94	92	93	-1
Tobacco Topped	82	75	83	85
Tobacco Cut	40	24	39	41

- Represents zero.
-1 Shown when data not available.

CROP CONDITIONS for week ending 09/01/19

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	3	7	23	51	16
Hay Harvested Quality	4	11	31	49	5
Livestock	1	7	21	63	8
Pasture	6	18	35	37	4
Soybeans	2	7	26	54	11
Tobacco Set	2	13	31	47	7





**Kentucky Climate Summary
For the Period August 26, 2019 to September 1, 2019**

Below Normal Temperatures and Above Normal Rainfall:

August came to a close with a second straight week of above normal rainfall. Overall, the state averaged 1.26 inches behind multiple rounds of rainfall over the first half of the period. Later in the week, a front stalled over the area and coverage became isolated to widely scattered on a daily basis. Storms were slow movers and produced a tremendous amount of rainfall, leading to some bouts of flooding and even some large hail. The rainfall has improved conditions across the state and led the US Drought Monitor to remove moderate drought from portions of North Central Kentucky. Looking at temperatures, behind the passage of a cold front on Tuesday, Kentucky received a dose of fall weather for a couple days. Highs were only in the upper 70s to middle 80s both Wednesday and Thursday with low humidity. Those temperatures then went on the increase through the weekend, back to around 90.

Temperatures for the period averaged 73 degrees across the state which was 1 degree cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 85 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. Low temperatures averaged from 64 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from near normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 92 degrees at LEXINGTON APT and the extreme low was 50 degrees at MONTICELLO AWOS.

Precipitation (liq. equ.) for the period totaled 1.26 inches statewide which was 0.52 inches above normal and 170% of normal. Precipitation totals by climate division, West 0.59 inches, Central 1.63 inches, Bluegrass 1.57 inches and East 1.27 inches, which was -0.08, 0.85, 0.84 and 0.49 inches respectively from normal. By station, precipitation totals ranged from a low of 0.02 inches at PADUCAH ASOS to a high of 4.87 inches at OWINGSVILLE 4S.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 09/01/19 4 p.m.**

Weather Station	Rainfall			Deviation From		Air Temperatures				Growing Degree Days		
	Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.	Last Week	Since Apr 1	Dev. Since Apr 1
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees F</i>	<i>Degrees F</i>	<i>Degrees F</i>				
Bardstown	2.63	24.40	4.46	3.35	0.93	90	53	74	2	165	3,210	218
Berea	2.33	24.24	2.91	2.68	-0.70	90	52	72	1	158	3,049	-4
Bowling Green	2.91	25.16	4.63	3.36	1.45	91	58	76	4	181	3,635	527
Bristol	0.46	23.08	4.07	4.74	1.20	91	54	72	1	152	3,215	367
Buckhorn Lake	1.25	22.49	2.37	1.87	-0.93	87	55	72	1	153	3,084	371
Cape Girardeau	0.20	30.02	1.92	9.78	-1.24	88	57	76	2	179	3,500	259
Campbellsville	0.95	21.83	2.74	-2.35	-1.39	87	52	71	-1	150	3,057	29
Covington	1.46	25.81	3.79	6.25	0.78	88	53	73	2	158	3,140	337
Cumberland Gap	1.83	28.96	3.01	6.11	-0.86	77	51	64	-7	96	1,963	-863
Dix Dam	0.80	22.58	1.32	0.98	-2.19	88	53	74	3	164	3,172	187
Evansville	1.31	27.34	5.19	7.83	2.38	88	57	75	1	177	3,331	243
Glasgow	1.32	24.32	2.54	0.64	-1.10	87	54	72	0	156	3,234	220
Grayson	1.37	24.90	3.86	4.47	0.50	90	56	73	2	160	3,184	509
Hardinsburg	0.18	28.14	1.87	6.50	-1.54	87	54	72	0	154	3,182	65
Henderson	0.93	21.47	3.19	1.49	0.31	87	54	73	-1	162	3,192	49
Huntington	1.90	23.22	6.15	2.70	2.63	90	55	72	1	154	3,014	148
Jackson	1.08	24.29	1.25	2.51	-2.36	89	56	74	3	165	3,248	535
Lexington	1.03	21.98	2.15	0.93	-1.38	92	57	76	5	180	3,398	495
London	1.92	26.93	2.72	6.94	-0.28	88	54	73	2	158	3,237	374
Louisville	1.11	23.05	2.68	2.58	-0.51	91	60	77	5	188	3,733	641
Mayfield	0.69	25.73	4.91	3.85	1.44	87	54	73	-1	160	3,302	158
Nashville	1.00	23.21	3.29	2.85	0.16	92	58	77	5	188	3,874	560
Nolin Lake	1.34	28.26	4.69	5.39	1.28	86	55	73	1	163	3,389	518
Paducah	0.02	33.26	3.73	11.61	0.70	91	56	76	2	184	3,568	365
Princeton	0.59	23.87	4.60	1.85	1.00	87	54	73	-1	163	3,251	55
Quicksand	0.76	22.70	1.57	0.92	-2.04	90	55	73	2	161	3,142	429
Somersset	1.23	25.94	2.52	3.34	-1.03	87	50	71	0	146	2,964	67
Spindletop	1.26	21.28	2.60	0.23	-0.93	90	56	75	4	173	3,371	468
Williamstown	2.08	26.67	3.01	5.97	-0.35	86	53	72	1	154	2,952	113

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr1 Weather Center (859) 218-4364.