



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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Cooperative Extension Service

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Agricultural News: Kentucky experienced above normal temperatures and below normal rainfall over the past week. Precipitation for the week totaled 0.81 inches, 0.18 inches below normal. Temperatures averaged 76 degrees for the week, 1 degree above normal. **Topsoil moisture** was rated 2 percent short, 73 percent adequate and 25 percent surplus. **Subsoil moisture** was rated 2 percent short, 77 percent adequate, and 21 percent surplus. Days suitable for fieldwork averaged 4.0 out of a possible seven.

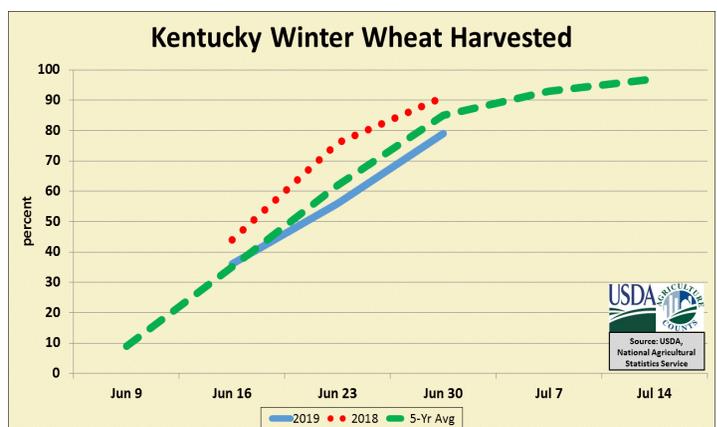
Primary activities this week included cutting hay, planting soybeans, harvesting hay, and spraying fields. Drier conditions allowed for more fieldwork than previous weeks, but the cumulative effects of persistent precipitation so far this season have led to varying impacts. Damage reports included flooding in low lying areas, tobacco scalding from hot and humid conditions, incidences of soybeans rotting before emerging, and hay quality concerns due to over-maturity. The quality of harvested hay was rated 60% in good to excellent condition.

The planting of double crop soybeans continues as significant progress was made in harvesting winter wheat. The average height of emerged soybeans was 11 inches, compared to 12 inches last year.

SOIL MOISTURE for week ending 06/30/19

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	2	73	25
Subsoil	-	2	77	21

- Represents zero.



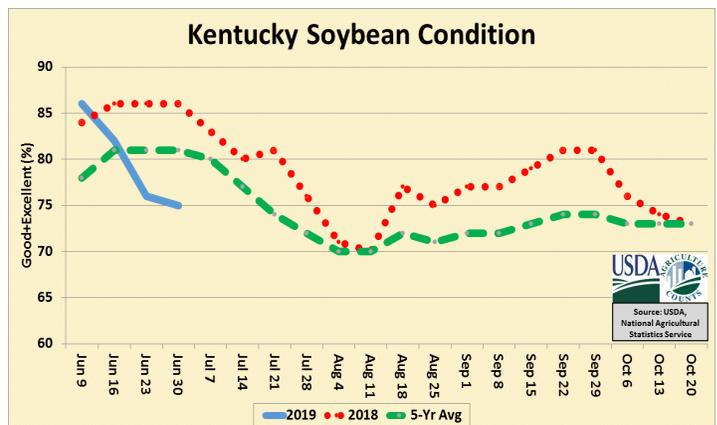
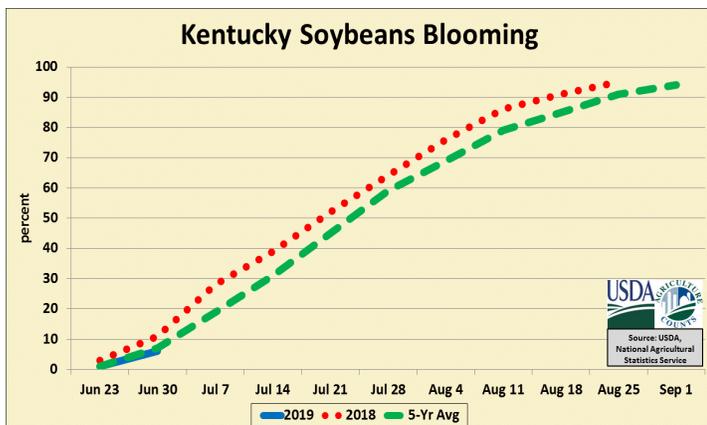
CROP PROGRESS for week ending 06/30/19

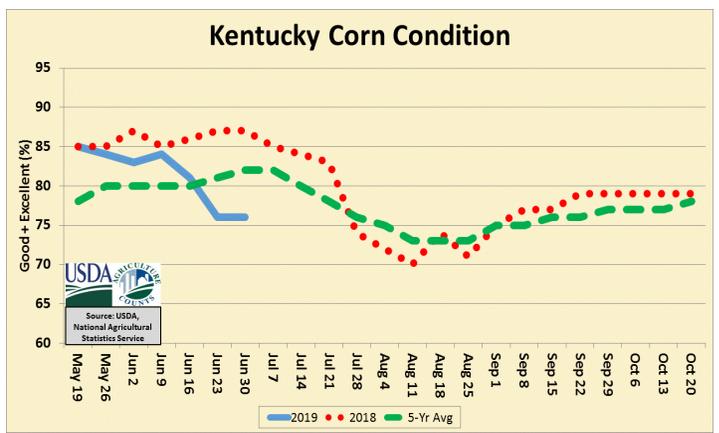
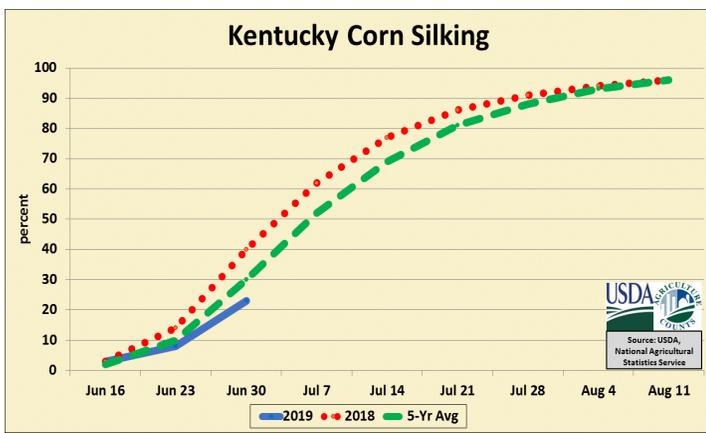
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	23	8	40	30
Soybeans Planted	87	80	95	94
Soybeans Emerged	74	65	86	84
Soybeans Blooming	6	1	11	7
Tobacco Set	90	84	97	96
Tobacco Blooming	3	-	5	5
Winter Wheat Harvested	79	56	91	85

- Represents zero.

CROP CONDITIONS for week ending 06/30/19

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	2	5	17	62	14
Hay Harvested Quality	3	8	29	54	6
Livestock	1	8	20	62	9
Pasture	1	6	17	65	11
Soybeans	1	3	21	66	9
Tobacco Set	1	7	27	57	8





**Kentucky Climate Summary
For the Period June 24, 2019 to June 30, 2019**

Above Normal Temperatures and Below Normal Rainfall:

More summer-like conditions moved back into the area for the last week of June. Heat really built into the state over the second half of the period with highs consistently getting into the upper 80s to low 90s. Combined with higher humidity, the livestock heat stress index jumped into the danger category each afternoon and evening. Showers and storms were hit and miss for much of the week with only a few solid chances of rainfall. The first came on Monday as a weak cold front produced widespread showers and embedded storms. A second disturbance sparked scattered to numerous activity across Western/Central Kentucky on Wednesday evening and then Sunday, another round pushed south across the state. Overall, average total accumulations were higher across Western Kentucky at 1.12 inches and lowest in the Bluegrass Region with an average of 0.48. Data at the Ag Weather Center shows the state averaged 7.70 inches for the month of June, which is over 3 inches above normal.

Temperatures for the period averaged 76 degrees across the state which was 1 degree warmer than normal and 2 degrees warmer than the previous period. High temperatures averaged from 87 in the West to 87 in the East. Departure from normal high temperatures ranged from 1 degree cooler than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 67 degrees in the West to 65 degrees in the East. Departure from normal low temperatures 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 95 degrees at PADUCAH ASOS and the extreme low was 57 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 0.81 inches statewide which was 0.18 inches below normal and 82% of normal. Precipitation totals by climate division, West 1.12 inches, Central 0.94 inches, Bluegrass 0.48 inches and East 0.72 inches, which was 0.14, -0.04, -0.49 and -0.31 inches respectively from normal. By station, precipitation totals ranged from a low of 0.10 inches at PADUCAH ASOS to a high of 3.86 inches at FRANKLIN 4SW.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/30/19 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
	Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Bardstown	0.47	17.94	8.98	5.93	5.56	92	62	76	1	182	1,536	73
Berea	0.57	16.78	7.99	3.76	4.30	90	60	75	1	178	1,449	-57
Bowling Green	1.33	16.58	8.64	3.15	4.75	92	66	79	4	201	1,768	253
Bristol	0.18	15.52	7.56	4.78	4.26	92	59	76	2	180	1,569	198
Buckhorn Lake	0.53	15.01	6.86	3.00	2.99	89	60	75	1	174	1,520	198
Cape Girardeau	0.24	20.32	4.61	7.23	1.37	93	62	78	1	196	1,668	70
Campbellsville	0.27	13.40	6.39	-0.69	2.51	91	62	76	1	181	1,458	-22
Covington	0.62	19.61	9.36	7.74	5.78	91	64	77	3	190	1,430	118
Cumberland Gap	1.89	21.27	8.52	8.12	4.54	77	59	68	-6	123	868	-498
Dix Dam	0.20	15.08	8.37	2.45	4.94	90	64	76	2	186	1,522	75
Evansville	0.71	18.44	7.28	6.18	4.02	92	62	77	0	190	1,572	73
Glasgow	0.65	18.07	11.00	3.86	6.71	88	65	76	1	184	1,572	117
Grayson	1.32	13.79	5.17	2.06	1.59	91	60	77	3	188	1,516	254
Hardinsburg	1.64	23.31	10.16	10.34	6.62	89	64	76	1	182	1,534	1
Henderson	0.79	15.83	5.74	3.23	2.20	92	62	77	0	188	1,556	2
Huntington	1.75	12.97	4.35	1.41	0.90	91	63	78	4	193	1,436	61
Jackson	0.94	16.07	8.27	3.67	4.70	89	63	76	2	183	1,589	267
Lexington	0.51	16.29	7.53	4.28	4.11	92	65	78	4	195	1,604	226
London	0.56	18.94	10.74	7.14	7.36	90	62	77	3	188	1,578	190
Louisville	0.85	18.95	7.72	6.64	4.49	94	68	81	6	214	1,792	311
Mayfield	0.43	14.83	3.07	1.40	-0.08	91	65	78	1	192	1,626	38
Nashville	2.37	13.87	6.00	1.05	2.67	94	67	80	5	210	1,920	278
Nolin Lake	1.47	19.25	12.31	5.32	8.65	93	64	76	1	186	1,688	290
Paducah	0.10	22.66	5.95	8.66	2.17	95	63	78	1	200	1,712	138
Princeton	0.82	14.44	4.32	0.83	0.73	90	63	77	0	186	1,575	-13
Quicksand	1.44	14.81	8.35	2.41	4.78	91	59	76	2	180	1,494	172
Somerset	0.76	18.43	8.37	4.77	4.41	88	62	75	1	174	1,458	39
Spindletop	0.23	15.38	6.13	3.37	2.71	93	66	78	4	199	1,594	216
Williamstown	0.56	18.37	7.22	6.04	3.70	88	63	75	1	177	1,376	22

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