



Crop Progress and Condition

USDA, NASS, Kentucky Field Office

David Knopf, Director
601 W Broadway, Rm 645
Louisville, Kentucky 40201-1120
(502) 907-3250 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: June 14, 2021

Issue: 15-21

Agricultural News: Kentucky experienced above normal temperatures and rainfall over the past week. Precipitation for the week totaled 1.52 inches, 0.48 inches above normal. Temperatures averaged 76 degrees for the week, 5 degrees above normal. **Topsoil moisture** was rated 3 percent short, 76 percent adequate, and 21 percent surplus. **Subsoil moisture** was rated 3 percent short, 82 percent adequate, and 15 percent surplus. Days suitable for fieldwork averaged 3.2 out of a possible seven.

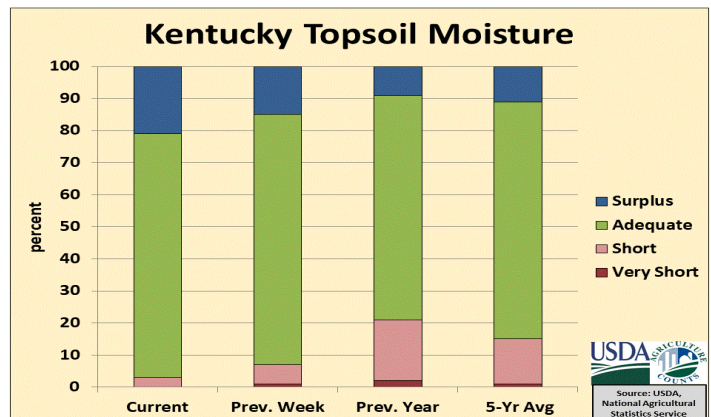
Primary activities for this week included planting soybeans, setting tobacco, spraying, and cutting hay. Scattered rain stymied work in the fields this past week. Rainfall was heavy at times and led to flooding in parts of the state. Even with the weather being unstable, farmers were able to push ahead in the fields. With the majority of the corn crop in the ground, condition remains good. Conditions vary significantly based on the area however. The average height of corn is 18 inches with 94 percent of the crop emerged. Soybean planting remains ahead of where it is historically at this juncture with 64 percent of the crop emerged. It is of note that slug damage has been observed in soybeans and some acres are being replanted. Like corn, the soybean crop is in mostly good condition. Tobacco condition is mostly good with 79 percent of the crop set. The average height of tobacco is 7 inches.

Wheat condition remains mostly good with 70 percent of the crop in the coloring stage and 40 percent of the crop mature. Recent weather patterns have slowed the maturation of the wheat crop. Lodging has been reported and may adversely affect yields. Pasture condition is good, but could be subject to damage from livestock traffic as the soil remains wet. Farmers continue to cut hay when weather permits.

SOIL MOISTURE for week ending 06/13/21

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	3	76	21
Subsoil	-	3	82	15

- Represents zero.



CROP PROGRESS for week ending 06/13/21

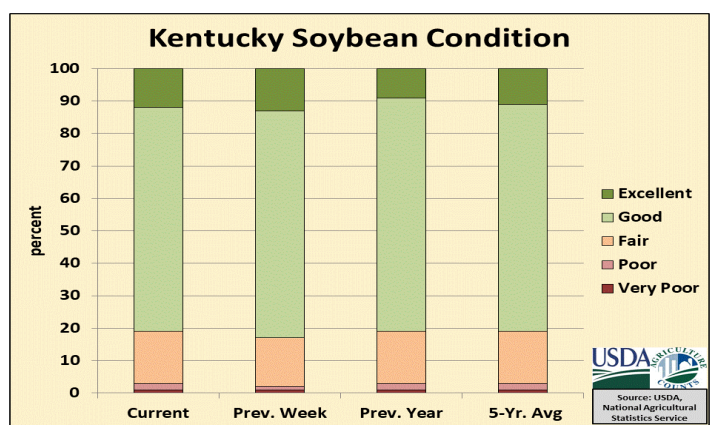
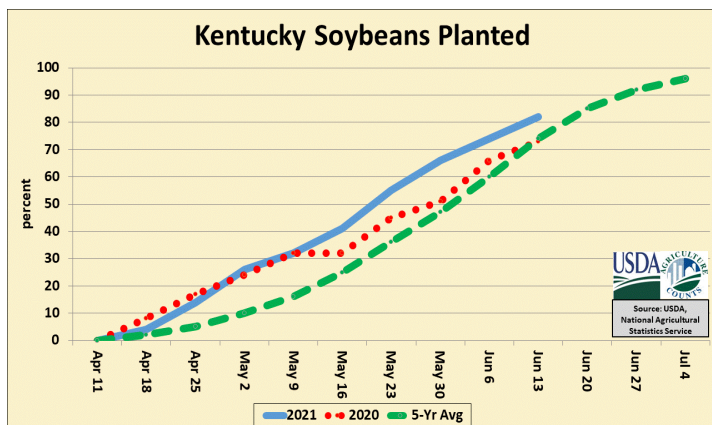
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Emerged	94	85	88	91
Soybeans Planted	82	74	73	74
Soybeans Emerged	64	57	60	55
Tobacco Set	79	68	71	74
Winter Wheat Coloring	70	41	92	-1
Winter Wheat Mature	40	-1	70	-1

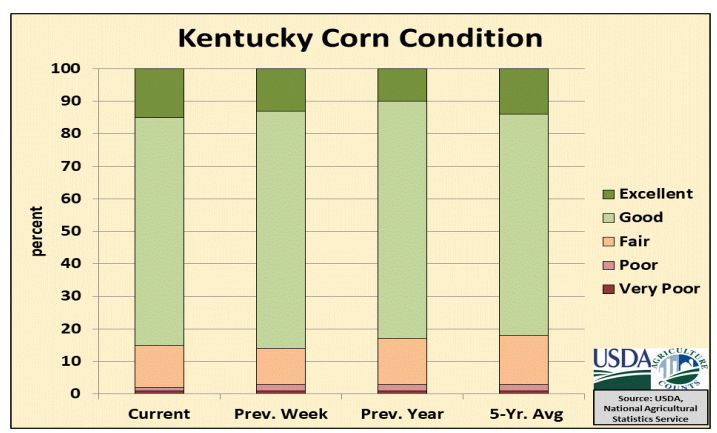
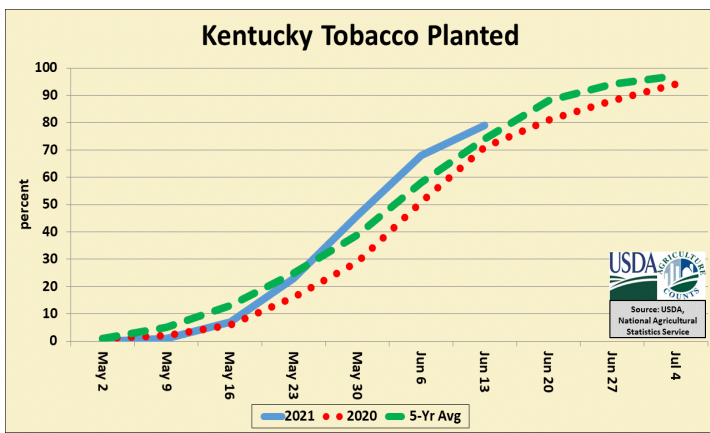
-1 Represents not available.

CROP CONDITIONS for week ending 06/13/21

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	1	13	70	15
Pasture	1	2	16	61	20
Soybeans	1	2	16	69	12
Tobacco Set	1	2	19	67	11
Wheat	-	2	22	61	15

- Represents zero.





**Kentucky Climate Summary
For the Period June 7, 2021 to June 13, 2021**

Above Normal Temperatures and Rainfall:

A summertime pattern led to a warm, humid and active period for the Commonwealth. The state saw daily rounds of scattered to numerous showers and thunderstorms through the week. This activity was more of a diurnal pattern with coverage increasing by day and decreasing overnight. A very moist air mass led to storms capable of producing very heavy rainfall. As the week progressed, slow storm motions combined with torrential rainfall rates, led to localized flooding. All this being said, it was not a washout for everyone. The scattered coverage led to quite the range in total accumulations. Some saw less than a quarter inch, more so across the western half of Kentucky. Others saw in excess of two to three+ inches, which was common across the eastern half. The very humid conditions led to oppressive heat at times. In fact, portions of Western Kentucky jumped into the middle 90s on Saturday. Combined with high humidity, heat indices rose well over the century mark.

Temperatures for the period averaged 76 degrees across the state which was 5 degrees warmer than normal and 8 degrees warmer than the previous period. High temperatures averaged from 85 in the West to 82 in the East. Departure from normal high temperatures ranged from 1 degree warmer than normal in the West to near normal in the East. Low temperatures averaged from 70 degrees in the West to 67 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 96 degrees at MORGANFIELD 4E and the extreme low was 60 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 1.52 inches statewide which was 0.48 inches above normal and 145% of normal. Precipitation totals by climate division, West 0.63 inches, Central 1.35 inches, Bluegrass 2.00 inches and East 2.11 inches, which was -0.36, 0.29, 0.93 and 1.05 inches respectively from normal. By station, precipitation totals ranged from a low of 0.04 inches at FRANKLIN 4SW to a high of 4.42 inches at LONDON.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/13/21 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	1.13	11.00	4.26	1.06	0.51	92	64	76	3	183	932	-155
Berea	2.53	8.13	4.48	-2.65	0.44	88	62	74	2	171	793	-332
Bowling Green	0.17	9.89	2.70	-1.18	-1.50	94	69	79	6	206	1,072	-51
Bristol	2.47	6.89	4.67	-1.84	1.25	93	58	73	1	164	795	-218
Buckhorn Lake	1.26	6.14	2.68	-3.52	-1.11	87	63	74	2	166	870	-120
Cape Girardeau	1.40	11.90	4.61	0.78	0.60	96	70	80	6	207	1,058	-126
Campbellsville	0.87	7.74	2.44	-3.99	-1.87	90	66	77	4	188	858	-251
Covington	1.76	10.43	4.96	0.74	1.23	92	66	77	5	188	883	-73
Dix Dam	1.04	8.14	2.27	-2.41	-1.61	92	65	77	5	186	880	-190
Evansville	0.78	8.10	3.30	-2.18	-0.51	95	70	78	4	198	1,014	-88
Glasgow	0.35	13.02	3.01	1.42	-1.43	90	67	77	4	188	912	-156
Grayson	0.95	7.97	4.29	-1.58	0.56	89	66	76	4	184	842	-93
Hardinsburg	1.85	11.28	3.93	0.46	-0.07	91	68	77	4	187	886	-250
Henderson	0.71	7.64	4.05	-2.81	0.21	92	69	78	4	193	940	-213
Huntington	2.92	11.23	5.26	1.77	1.60	89	66	76	4	183	912	-107
Jackson	0.92	7.19	2.72	-3.05	-1.10	88	64	75	3	176	1,000	10
Lexington	2.72	11.58	6.52	1.64	2.77	88	64	75	3	178	818	-191
London	4.42	9.45	6.01	-0.30	2.38	88	62	75	3	175	898	-135
Louisville	0.94	11.30	5.34	0.95	1.61	95	71	80	7	210	1,134	44
Mayfield	0.04	10.54	3.10	-0.98	-0.78	94	69	79	5	202	1,012	-177
Nashville	0.44	9.14	2.96	-1.66	-0.95	96	70	80	7	210	1,159	-70
Nolin Lake	0.83	12.72	2.77	1.01	-1.58	90	66	76	3	184	941	-101
Paducah	1.37	13.25	5.49	1.55	1.34	96	70	79	5	205	1,114	-51
Princeton	1.14	12.27	4.35	0.84	0.28	92	69	78	4	194	956	-230
Quicksand	2.46	7.77	3.72	-2.47	-0.10	89	64	75	3	174	830	-160
Somerset	2.89	9.92	4.71	-1.34	0.42	88	61	75	3	175	822	-235
Spindletop	3.01	11.25	5.92	1.31	2.17	87	66	75	3	178	844	-165
Williamstown	2.00	12.09	5.28	1.90	1.51	87	66	75	3	175	812	-182

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.