



Crop Progress and Condition

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

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Agricultural News: Kentucky experienced excessive rainfall over the past week. Precipitation for the week totaled 2.80 inches, 1.80 inches above normal. Temperatures averaged 54 degrees for the week, 3 degrees above normal. **Topsoil moisture** was rated 1 percent short, 51 percent adequate and 48 percent surplus. **Subsoil moisture** was rated 3 percent short, 67 percent adequate, and 30 percent surplus. Days suitable for fieldwork averaged 3.6 out of a possible seven.

Primary activities this week included preparing farm equipment for planting, applying fertilizer, and seeding tobacco transplants. Excessive rainfall kept farmers out of the fields and caused some flooding which resulted in crop and livestock losses. Wheat winter freeze damage was reported as 1 percent severe, 4 percent moderate, 15 percent light, with 80 percent experiencing none. Alfalfa hay freeze damage was reported as 2 percent severe, 12 percent moderate, 43 percent light, with 43 percent experiencing none. Cattle and calves obtained approximately 39 percent of feed from pastures, but some hay is being fed.

SOIL MOISTURE for week ending 04/05/15

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	-	1	51	48
Subsoil	-	3	67	30

- Represents zero.

CROP PROGRESS for week ending 04/05/15

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Tobacco Transplants Seeded	65	-	63	69

- Represents data not available.

CROP CONDITIONS for week ending 04/05/15

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Livestock	2	6	24	59	9
Pasture	4	7	29	52	8
Wheat	1	4	16	60	19

Kentucky Climate Summary
For the Period March 30, 2015 to April 5, 2015

Above Normal Temperatures and Much Above Normal Rainfall:

A very active pattern set up across the Lower Ohio Valley for the beginning of April, leading to excessive rainfall for much of the state. In addition, after going much of the winter without any thunderstorms, an unstable atmosphere led to the first of the year for many locations. The main activity occurred over the second half of the work week as a frontal boundary stalled across the area. The state as a whole, averaged just under three inches for the week, but portions of the Bluegrass region received much more. Along the I-64 corridor, many locations received five to more than seven inches of rain over the two day period. Significant flooding was an issue across much of the state as multiple thunderstorms trained over the same region. Over the course of the week, rainfall was above normal by 1.8 inches, breaking a two week run of below normal precipitation. The weekend brought dry conditions, but with cooler temperatures in place. For the first time this year, frost advisories were issued for Saturday night.

Temperatures for the period averaged 54 degrees across the state which was 3 degrees warmer than normal and 8 degrees warmer than the previous period. High temperatures averaged from 69 in the West to 67 in the East. Departure from normal high temperatures ranged from 4 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 44 degrees in the West to 41 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 4 degrees warmer than normal in the East. The extreme high temperature for the period was 81 degrees at HARTFORD 3E and the extreme low was 26 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 2.80 inches statewide which was 1.8 inches above normal and 279% of normal. Precipitation totals by climate division, West 1.97 inches, Central 2.48 inches, Bluegrass 4.28 inches and East 2.46 inches, which was 0.88, 1.43, 3.37 and 1.5 inches above normal. By station, precipitation totals ranged from a low of 0.83 inches at WHITESBURG 2NW to a high of 7.21 inches at FRANKFORT 7S.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 04/05/15 4 p.m.

Weather Station	Precipitation		Deviation From Norm Since Jan 1	Temperatures				Air Temp. Dev. From Normal	
	Last Week	Since Jan 1		Soil 4 In. High	Air High		Wkly. Avg.		
	(Inches)	(Inches)	(Inches)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	(Degrees Fahrenheit)	
Bardstown	6.69	18.83	7.71	60	44	76	35	56	4
Berea	4.87	15.74	4.98	60	44	75	29	52	2
Bowling Green	2.68	14.63	0.86	60	44	80	31	57	5
Bristol	1.32	9.45	-1.47	60	44	76	27	53	3
Buckhorn Lake	2.24	14.69	2.59	60	47	75	31	54	4
Cape Girardeau	1.03	16.00	4.01	59	47	77	33	56	2
Campbellsville	2.73	16.80	3.48	60	44	77	29	54	2
Covington	2.28	12.59	2.45	60	44	69	33	51	1
Cumberland Gap	1.71	15.44	1.38	60	44	76	27	54	4
Dix Dam	3.57	15.04	3.62	60	44	73	34	54	4
Evansville	2.31	14.68	3.52	60	47	74	35	56	2
Glasgow	2.23	15.68	1.81	59	47	76	32	56	4
Grayson	4.55	16.49	6.72	60	44	73	29	51	1
Hardinsburg	2.02	14.68	1.99	60	44	81	30	56	4
Henderson	2.26	13.83	2.24	60	44	74	36	56	2
Huntington	2.62	15.01	5.30	60	44	75	32	52	2
Jackson	4.63	16.91	5.00	60	47	76	38	56	6
Lexington	6.40	17.83	6.71	59	47	74	34	54	4
London	1.15	13.83	1.68	60	44	77	30	56	6
Louisville	6.82	16.31	4.78	60	47	77	36	57	5
Mayfield	1.80	15.52	0.90	60	44	77	35	58	4
Nashville	0.91	12.04	-0.95	60	44	82	34	60	8
Nolin Lake	3.26	17.45	4.67	60	47	78	32	58	6
Paducah	2.03	18.08	5.15	59	47	79	33	58	4
Princeton	1.87	14.37	0.40	60	44	78	32	56	2
Quicksand	4.04	16.02	4.11	60	47	76	28	53	3
Somerset	2.46	15.20	2.39	60	48	76	28	54	4
Spindletop	6.97	21.19	10.07	59	44	73	35	54	4
Williamstown	3.54	13.19	2.49	59	47	71	31	52	2

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