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Indiana State Climate Office

Monthly Weather Report

May 8, 2007



<http://www.iclimete.org>

April 2007 Summary

April 1-7

April showers were below normal for the first week of April, with a state average of 0.60 inches of precipitation falling. This value is 0.32 inches below normal. Temperatures were also below normal with an average of 40.1°F, 6.7°F below normal. On the morning of the 1st rain fell across the north and east central portions of the state associated with a cold front. Precipitation amounts of less than 0.20 inches fell on the 2nd when a stationary front set up across central Indiana. This front lifted north as a warm front on the morning of the 3rd, setting the stage for severe weather as it was followed by a cold front later in the day. Especially hard hit were central and southern Indiana where there were multiple reports of severe hail and winds. Hail sizes ranged from 0.75 inches to 2.75 inches in diameter. Winds took down trees and power lines, damaged houses, and blew over semi trucks. A tornado was also reported in Scott County, 2 miles north of Austin. The front that moved through marked a change from above normal temperatures to temperatures well below normal. The rest of the week saw highs in the 30s with 40s with snow flurries and snow showers across portions of the state.

April 8-14

The 30s and 40s warmed up to the 50s and 60s for the 10th and 11th as a low pressure system began approaching from the west. The rainfall began to overspread on the 10th and became heavier on the 11th with a state averaged 0.97 inches of rain falling over the two day period. As an occluding front moved across the area, severe weather also occurred on the 11th. As on the 3rd, the central and southern locations of the state were hit with the most severe weather. Four tornadoes touched down across central Indiana including an EF0 in Clay County, an EF0 and an EF1 in Hendricks County, and an EF2 tornado in Hamilton County. Hail reports were one inch in diameter or less. Winds caused trees, power lines, semi trucks, and light poles to fall over. With the passage of the front, temperatures cooled down into the 40s for the 12th, with residual precipitation across the state, before rebounding into the 50s for the 13th. As a low pressure system moved up from the south, precipitation moved across Indiana with the heaviest precipitation occurring across southern Indiana. Temperatures dropped on the 14th from the 40s into the 30s as the low pressure system moved off to the east and a mixture of snow and rain fell across the state. For the 2nd week of April temperatures were again

below normal, while precipitation values were 0.48 inches above normal. State averaged mean temperatures were 9.5°F below the normal of 49.7°F.

April 15-21

Temperatures for the 3rd week of April were close to average with only a -0.9°F departure from the normal of 53.8°F. Precipitation, 0.10 inches, was well below the normal of 0.95 inches. Drier conditions moved into the state for the 15th and 16th with high pressure across the region and high temperatures generally in the 50s. The 17th saw an increase of temperatures into the 70s as a warm front lifted across the area. Temperatures cooled on the 18th as a backdoor cold front moved across the state on the evening of the 17th into the 18th. Rainfall values of 0.20 inches or less fell across the state with the front. A few residual showers were left for the 19th before high pressure again brought tranquil conditions for the 20th and 21st. High temperatures increased during the 19th to the 21st time frame from the 50s to the 70s.

April 22-30

The final week of April was characterized by both above normal rainfall and temperatures. Rainfall amounts were 0.54 inches above the normal of 1.13 inches and mean temperatures were 7.3°F above the normal of 55.3°F. A storm system began to approach the state on the 22nd bringing very light rainfall values of 0.01 inches to south central and south eastern Indiana. Rain fell across a large portion of the state on the 23rd as a cold front moved through the state. A stationary front set up on the 24th across central Indiana causing precipitation values of over an inch across locations in northern Indiana and lesser amounts in southern Indiana. In addition to the rains, in Gibson County, wind damage to trees occurred. The front remained across the state for the 25th and the 26th with more rainfall across the area. A cold front swept through Indiana on the evening of the 26th. With the front, tornadoes occurred in LaPorte County in northwestern Indiana, hail 0.88 inches in diameter fell in LaPorte and Noble, and severe wind occurred in Fayette. Weak disturbances on the 27th until the 29th brought light rain to some locations in Indiana. A cold front moved south on the 30th and 0.88 inch hail fell in Allen County. High temperatures were generally in the 60s and 70s, except for the last day of the month when temperatures increased into the 80s across central and southern portions of the state. Low temperatures varied from the 40s to the 60s.

Temperature

Region	Average	Normal	Deviation
Northwest	48.1	49.8	-1.7
North central	47.3	49.2	-1.9
Northeast	46.8	48.8	-1.9
West central	50.2	51.8	-1.6
Central	49.7	51.1	-1.4
East central	48.9	50.2	-1.3

Southwest	53.1	55.2	-2.1
South central	52.0	54.5	-2.5
Southeast	51.4	53.4	-2.0
State	49.8	51.6	-1.8

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	4.30	3.60	0.70	119
North central	4.00	3.60	0.40	111
Northeast	3.80	3.51	0.30	108
West central	3.54	3.90	-0.37	91
Central	4.05	3.99	0.06	102
East central	4.03	3.87	0.16	104
Southwest	3.32	4.53	-1.21	73
South central	3.74	4.50	-0.75	83
Southeast	3.88	4.28	-0.40	91
State	3.84	3.99	-0.15	96

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	5 NE of Vincennes	1.66	-2.75	70
High Precipitation	2 SE of Morristown	6.85	2.80	100

Spring Season-to-date (March-April)

Temperature

Region	Average	Normal	Deviation
Northwest	46.3	44.2	2.0
North central	45.4	43.7	1.7
Northeast	44.4	43.1	1.3
West central	49.0	46.3	2.7
Central	48.5	45.7	2.8

East central	47.4	44.7	2.7
Southwest	52.8	50.1	2.7
South central	51.7	49.5	2.2
Southeast	50.5	48.4	2.2
State	48.6	46.3	2.3

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	7.91	6.58	1.33	120
North central	7.34	6.44	0.91	114
Northeast	6.88	6.26	0.62	110
West central	7.69	7.31	0.38	105
Central	9.51	7.30	2.20	130
East central	9.94	6.98	2.96	142
Southwest	6.60	8.73	-2.13	76
South central	7.05	8.64	-1.59	82
Southeast	7.09	8.21	-1.12	86
State	7.80	7.42	0.38	105

Annual-to-Date

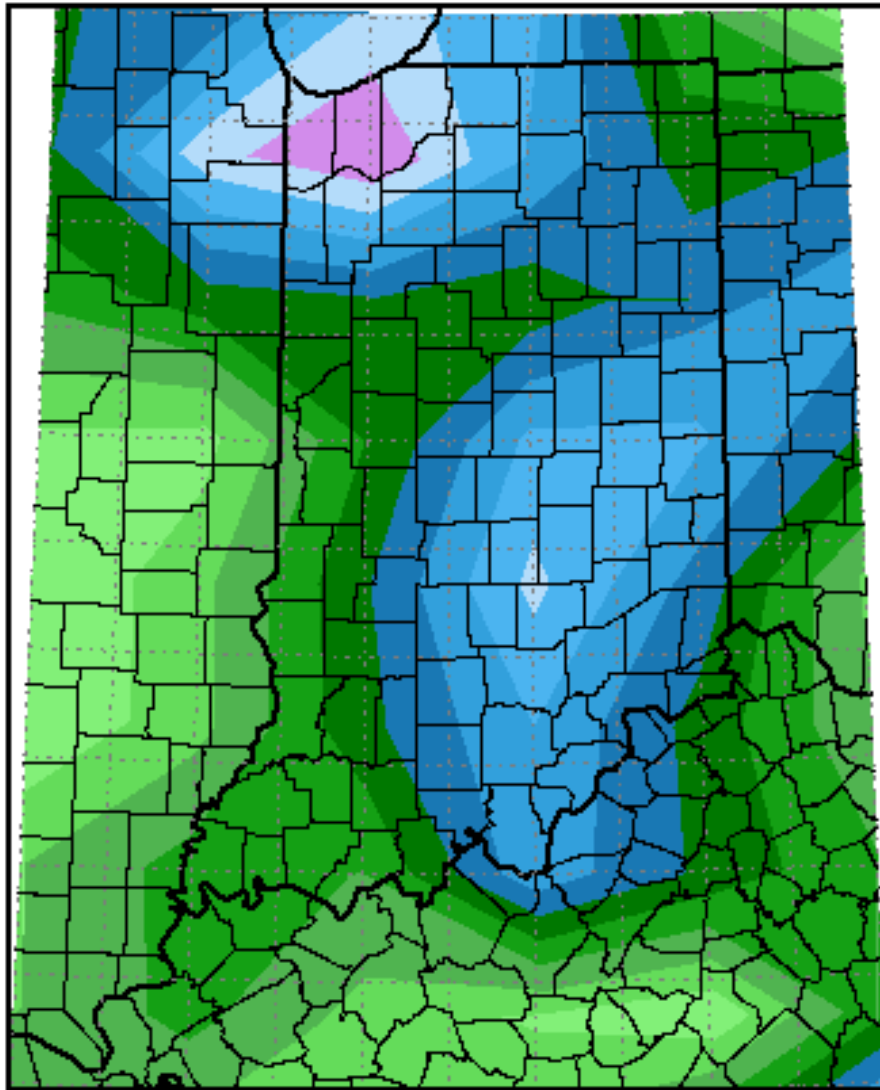
Temperature

Region	Average	Normal	Deviation
Northwest	34.7	35.0	-0.3
North central	34.3	34.6	-0.3
Northeast	34.0	34.2	-0.2
West central	37.1	37.1	0.0
Central	37.0	36.8	0.3
East central	36.1	35.9	0.3
Southwest	42.3	41.3	0.9
South central	41.4	41.0	0.4
Southeast	40.0	40.0	0.1
State	37.5	37.4	0.2

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	13.30	10.12	3.18	131
North central	13.10	10.27	2.83	128
Northeast	12.29	10.00	2.30	123
West central	14.45	11.72	2.73	123
Central	17.50	11.87	5.63	147
East central	17.55	11.38	6.17	154
Southwest	15.18	14.62	0.56	104
South central	15.32	14.66	0.66	104
Southeast	15.58	14.03	1.55	111
State	14.98	12.11	2.87	124

**Total Precipitation in Inches
April 1, 2007 to April 30, 2007**

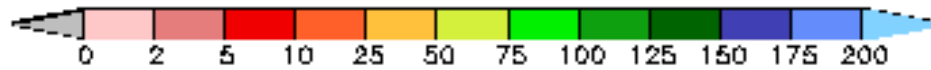
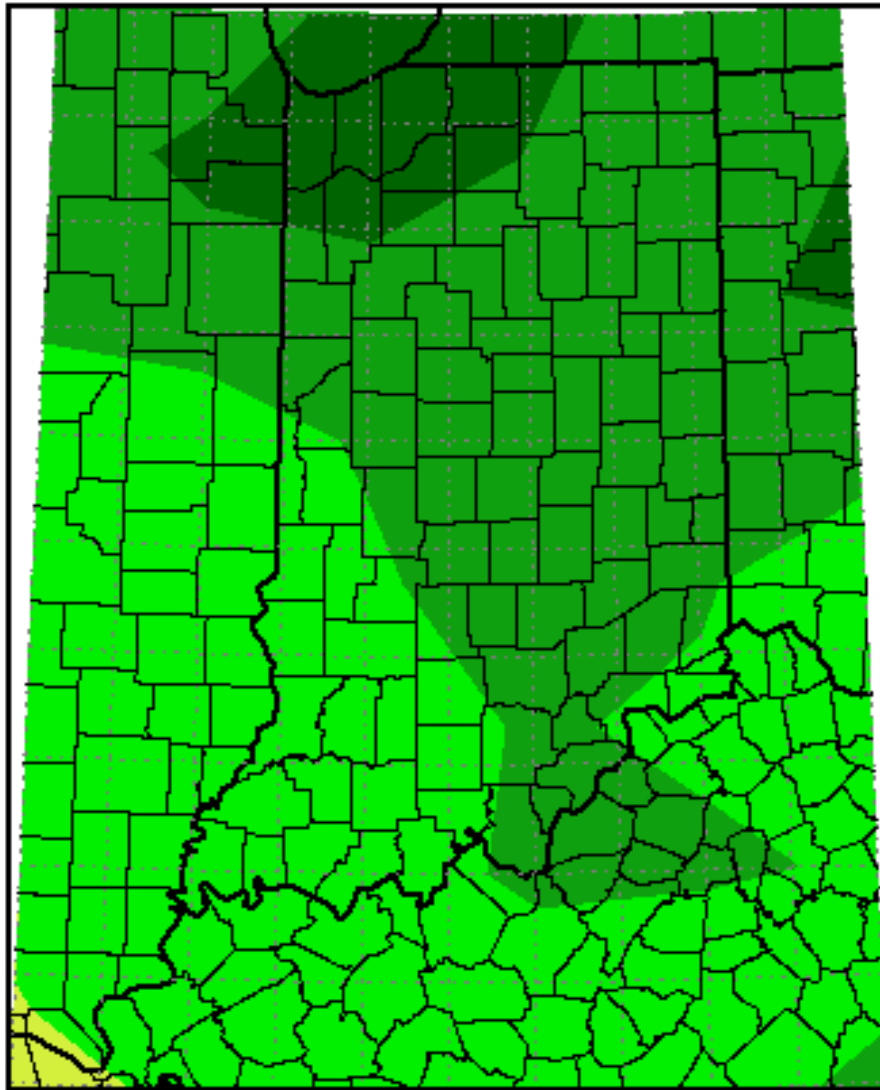


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Total Precipitation Percent of Mean
April 1, 2007 to April 30, 2007**

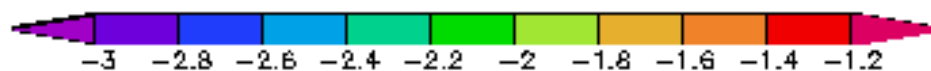
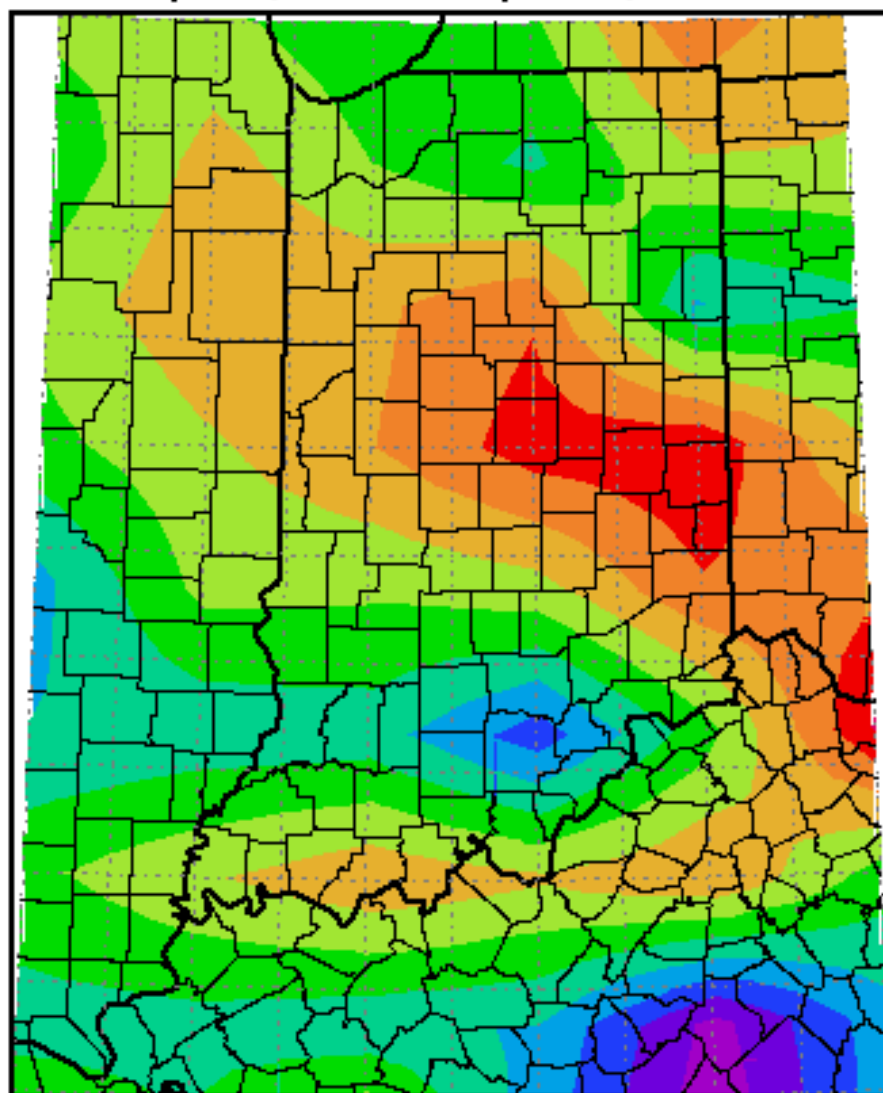


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Average Temperature Departure from Mean in Degrees F
April 1, 2007 to April 30, 2007**



**Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois**