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Indiana State Climate Office

Monthly Weather Report

Feb 9, 2006



<http://www.iclimat.org>

January 2006 Climate Summary

January 1-3

Unseasonably warm conditions welcomed in the New Year with highs in the 40s across the northern portions of the state to around 60 in the south. These temperatures only increased on the 2nd, when most locations saw temperatures up into the 60s with cooler temperatures in the 40s to the north. This temperature gradient and the subsequent 40s across the state on the 3rd depicted a strong frontal system that moved through the state on the 2nd. Multiple severe weather reports occurred across the state, with a heavy portion in the south. The largest hail, 1.75 inches, was located in Harrison County. Two wind reports were reported, one in Clark County and one in Switzerland County. Large trees and power lines were down in Clark, while Switzerland reported trees down in addition to roof damage and downed wires. A few lingering showers remained in the state on the 3rd.

January 4-8

The 50 degree mark was reached by most of Indiana on the 4th; however, the 5th saw temperatures mainly in the 30s after the front came through. Only light precipitation amounts of 0.02 inches or less fell. A dry pattern set up for the next three days with no significant rain or snowfall across the state. Temperatures began to rise once again and reached into the upper 40s to mid 60s by the 8th. Low temperatures dropped down into the 20s and 30s.

January 9-15

Unsettled weather made a return to the state on the 9th as a cold front swept through the state. A storm system from the south-southwest brought up large amounts of rainfall for the 10th before moving out on the 11th. Another area of low pressure and associated fronts brought additional heavy rainfall amounts on the 12th and 13th. Some localized flooding occurred with the heavy rainfall totals on the 13th. A cell containing nickel-size hail moved across Greenwood in Johnson County on the 12th. The hail covered the ground and caused damage to vehicles. The 14th was a chance to dry out as high pressure made a brief return to the state. A small disturbance brought light precipitation to the central and northern portions of the state by the 15th. Precipitation totals averaged from 0.76 inches in the northwest to 1.62 inches in the southwest for this time period. The state average was 1.17 inches, far above the normal of 0.41 inches. High and low

average temperatures for this time frame were about 15 degrees above normal. High temperatures were in the 40s and 50s from the 9th to 11th. Most places made it up into the 50s on the 12th and 13th before the 30s dominated on the 14th. On the 15th a majority of places across Indiana remained around the 40 degree mark. Except for the 13th when low temperatures were in the 40s and 50s, low temperatures dropped down into the 20s and 30s.

January 16-21

A low pressure system marched toward the state on the 16th and as the day progressed, a warm frontal boundary moved northward across the area. This allowed for warm air to filter up into the state and brought yet another day of above-normal temperatures to the region. The warm high temperatures on the 16th continued on into the 17th before the passage of a strong cold front. Temperatures on the 16th ranged from the upper 40s to around 60, and on the 17th ranged from the mid 40s to mid 50s. After the passage of the front, however, the 18th only rose up into mainly the 30s for daytime highs. Overnight temperatures remained cool and in the 20s and 30s for the 16th to the 19th. One to three inches of snow fell late on the 17th and early on the 18th across a majority of central and southern Indiana. The state began to dry out on the 18th as only a few snow showers occurred in the eastern counties. The colder weather was short-lived and by the 19th temperatures were back up in the 50s and 60s. This warm southerly flow continued into the 20th to the southeast of a stationary front that was draped across Illinois and the extreme northern portions of Indiana. The bulk of the precipitation that occurred on the 20th began to retreat eastward along with a cold front by the morning of the 21st. The lows on the 20th dropped down to only around the 50 degree mark; however, by the next morning, lows were found to be in the 30s. Precipitation totals for the state for this period, 0.60 inches, were well above the normal of 0.34 inches. Temperatures were above normal by over 13 degrees.

January 22-27

Colder air to the west of the front did not begin to infiltrate the state until the 22nd when high temperatures were only found to be in the mid 30s to around 40. Thirties and 40s for highs were the main feature for this period, with a few highs making it into the 50s on the 24th and 27th. Lows also remained fairly constant in the 20s and 30s, with the morning of the 26th being the coolest with lows in the lower 20s. On the evening of the 22nd, Indiana was sandwiched between a cold front to the northwest of the state and a stationary front further south of the region that helped bring up significant amounts of moisture. With this scenario in place, the central and southern portions of the state saw the highest amounts of precipitation. By the 23rd, only the north and northeastern sections were left with light precipitation totals before the storm exited to the east. A slight disturbance brought light precipitation totals of 0.01 to 0.05 to northern sections of the state. High pressure kept dry conditions in Indiana for the next few days with only light precipitation occurring on the 27th in the southwest and central locations. Temperatures were still over 5 degrees above normal for this period; however, precipitation totals were below normal.

January 28-31

Above-normal temperatures and precipitation graced the state with their presence once again for the last few days of January. Temperatures were over 10 degrees warmer than average and the state average precipitation total of 0.62 inches was well above its normal of 0.35 inches. Lots of moisture and precipitation were fed up into the state from the Gulf of Mexico on the 28th. Along with the moisture, warm air under southerly flow ushered in temperatures in the 50s and 60s. On the 29th and on the 30th, cold fronts raced across Indiana. With the passage of the fronts, the high temperatures on the 29th that were in the 50s dropped to the 40s on the 30th. Cooler temperatures in the 30s and 40s seeped in to finish off the month. Low temperatures generally stayed on the warm side in the 30s and 40s.

Temperature

Region	Average	Normal	Deviation
Northwest	36.7	23.0	13.7
North central	36.5	23.2	13.3
Northeast	36.0	23.1	12.9
West central	38.5	25.1	13.3
Central	38.6	25.3	13.2
East central	38.2	24.7	13.5
Southwest	41.2	29.9	11.3
South central	40.9	29.9	11.0
Southeast	40.2	29.1	11.1
State	38.6	26.0	12.6

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	2.73	1.88	0.85	145
North central	3.04	2.05	0.99	148
Northeast	3.21	1.98	1.23	162
West central	2.95	2.28	0.66	129
Central	3.42	2.34	1.08	146
East central	2.80	2.29	0.51	122
Southwest	3.97	3.00	0.97	132
South central	4.02	3.10	0.92	130
Southeast	3.69	3.00	0.69	123
State	3.34	2.44	0.91	137

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	Vincennes 5 NE	0.96	-1.86	81
High Precipitation	Landersdale 3 W	4.85	2.26	100

**Winter Season to date
(December-January)**

Temperature

Region	Average	Normal	Deviation
Northwest	30.2	25.8	4.4
North central	30.2	25.9	4.3
Northeast	30.0	25.9	4.1
West central	32.2	27.8	4.4
Central	32.4	28.0	4.4
East central	31.9	27.4	4.5
Southwest	36.1	32.2	3.9
South central	35.6	32.2	3.4
Southeast	34.8	31.6	3.2
State	32.7	28.6	4.1

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	4.28	4.53	-0.25	94
North central	5.03	4.84	0.19	104
Northeast	5.62	4.67	0.95	120
West central	5.01	5.25	-0.24	95
Central	6.08	5.33	0.75	114
East central	5.33	5.16	0.17	103
Southwest	6.19	6.53	-0.35	95
South central	6.63	6.66	-0.04	99
Southeast	6.10	6.41	-0.31	95
State	5.61	5.49	0.12	102

**Annual to date
(same as month to date)**

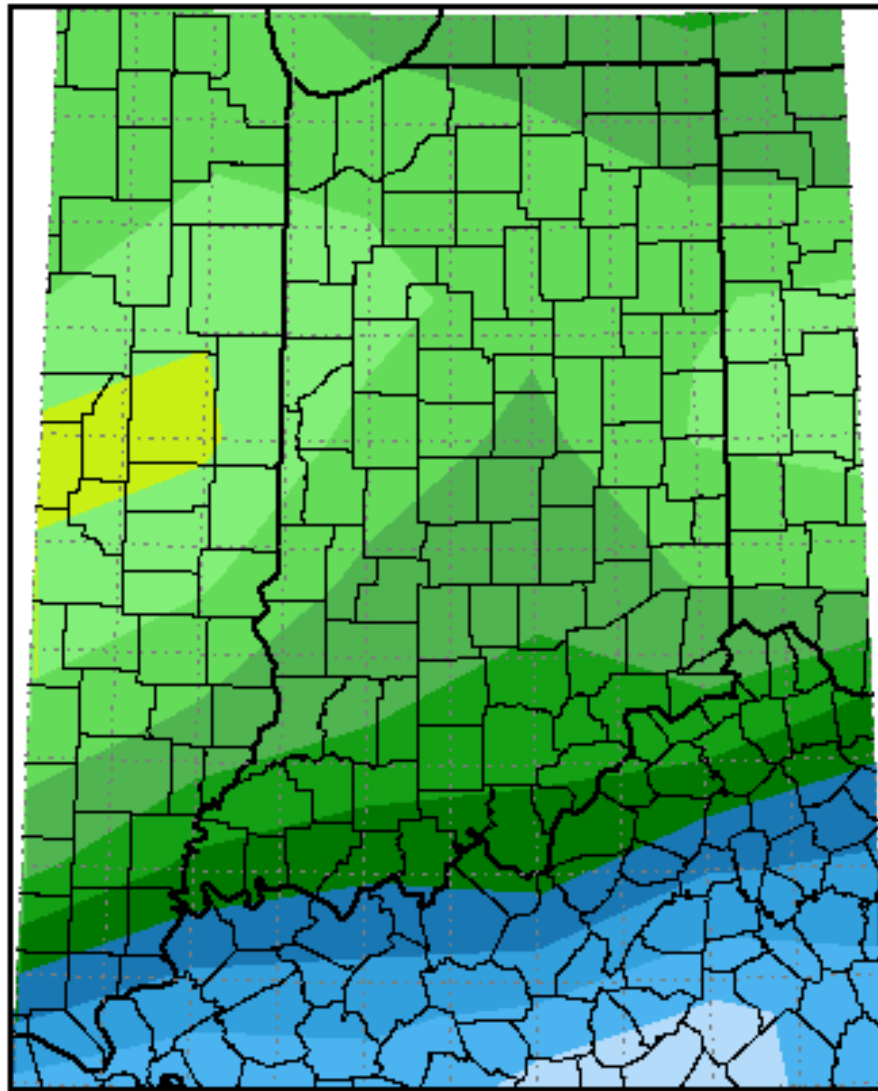
Temperature

Region	Average	Normal	Deviation
Northwest	36.7	23.0	13.7
North central	36.5	23.2	13.3
Northeast	36.0	23.1	12.9
West central	38.5	25.1	13.3
Central	38.6	25.3	13.2
East central	38.2	24.7	13.5
Southwest	41.2	29.9	11.3
South central	40.9	29.9	11.0
Southeast	40.2	29.1	11.1
State	38.6	26.0	12.6

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	2.73	1.88	0.85	145
North central	3.04	2.05	0.99	148
Northeast	3.21	1.98	1.23	162
West central	2.95	2.28	0.66	129
Central	3.42	2.34	1.08	146
East central	2.80	2.29	0.51	122
Southwest	3.97	3.00	0.97	132
South central	4.02	3.10	0.92	130
Southeast	3.69	3.00	0.69	123
State	3.34	2.44	0.91	137

**Total Precipitation in Inches
January 1, 2006 to January 31, 2006**



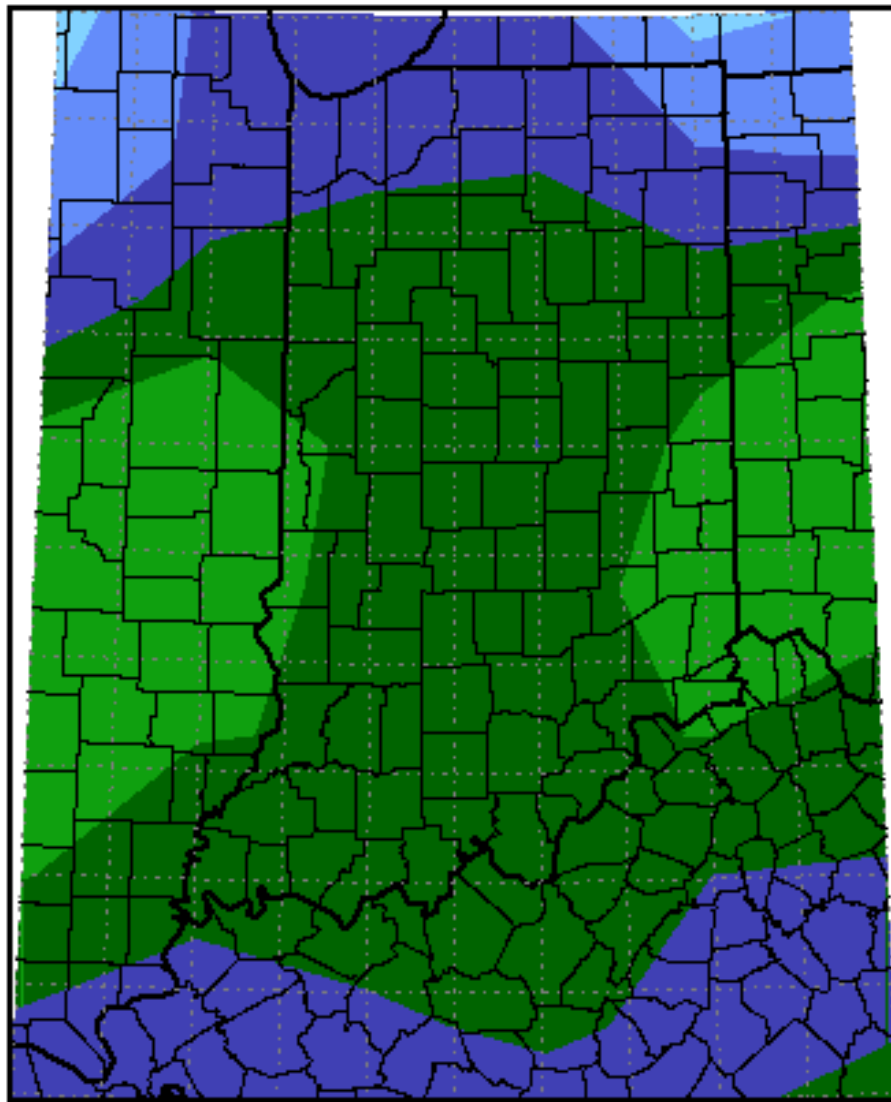
0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0

Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Total Precipitation Percent of Mean
January 1, 2006 to January 31, 2006**

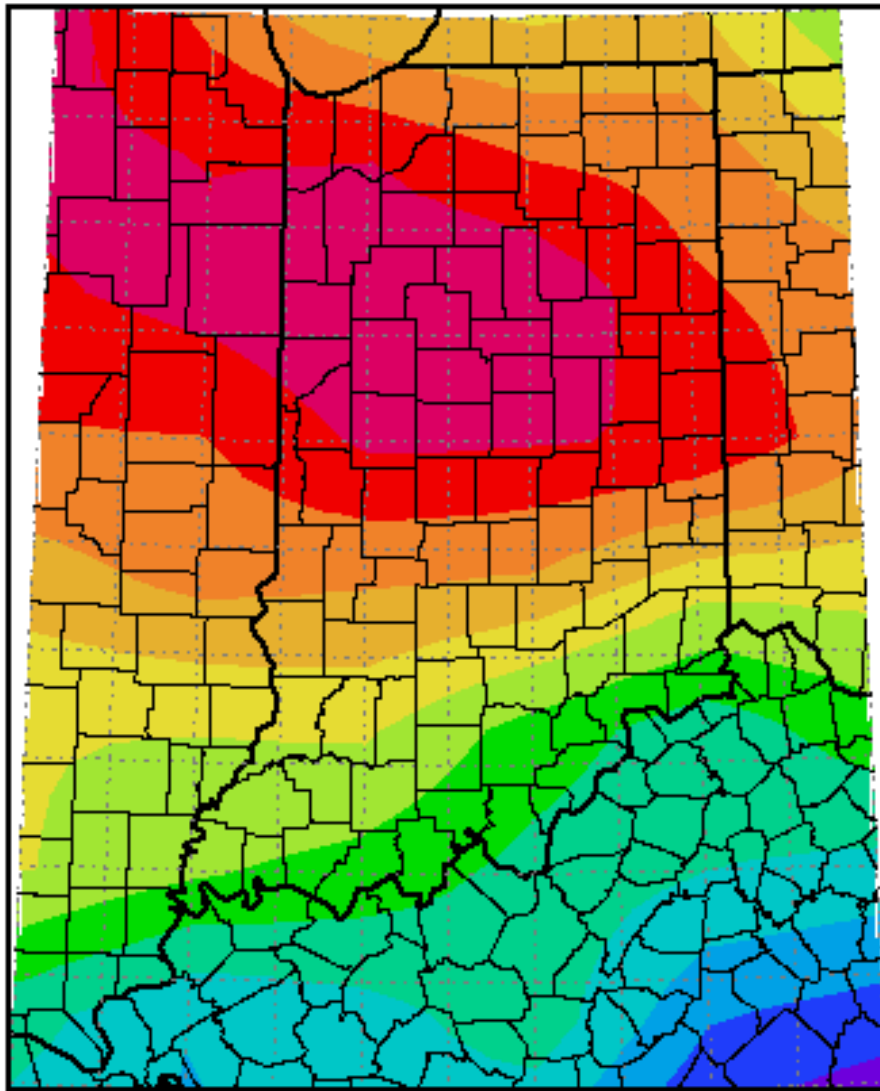


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Average Temperature Departure from Mean in Degrees F
January 1, 2006 to January 31, 2006**



8 8.5 9 9.5 10 10.5 11 11.5 12 12.5 13 13.5

Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

Contributions by Al Shipe, NWS Indianapolis