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Indiana State Climate Office

Monthly Weather Report

Nov 13, 2006



<http://www.iclimat.org>

October 2006 Summary

October 1-4

Light showers across the north on the 1st gave way to severe weather and heavy rains of over an inch on the 2nd. Smaller rainfall amounts, less than a quarter of an inch spread across southern portions of Indiana farther from the warm front. The severe weather included winds that knocked down trees in Lake County and hail, an inch or less in diameter, dotting the ground in the northwest corner of Indiana. A stationary front remained in the vicinity on the 3rd keeping cloudy skies and showers in the forecast. This continued into the 4th as a low pressure system and associated cold front brought severe weather in addition to the rain showers. As previously occurred on the 2nd, hail was an inch or less, however this time fell in east central portions of the state. Wind damage was also reported in this area. With the abundance of showers and storms that moved across the state during this period, state rainfall amounts were 0.34 inches above the normal of 0.47 inches. Temperatures also climbed to above normal temperatures as the average was 7.4°F above the normal 58.2°F. High temperatures reached all the way up into the 70s and 80s, while low temperatures warmed from the 40s on the morning of the 1st to 60s on the morning of 4th.

October 5-9

Cooler and drier weather infiltrated the region as the low pressure system pushed off to the east coast. The 80s were replaced by 60s for highs until the temperatures rebounded into the 70s on the back side of the high pressure system on the 8th and 9th. Low temperatures generally hovered in the 40s with a few higher and lower values across the southern and northern sections of the state. With this temperature range, temperatures were pretty close, 56.9°F, of the normal of 55.6°F.

October 10-14

A stationary front draped across Indiana's midsection brought the return of moisture and rain showers. This rain continued into the 11th as a cold front began to pull through the state. After the passage of this front on the 12th, fast moving winds brought in colder air from Canada and snow flurries to parts of the state. There was even a little in the way of accumulating snow in far northern Indiana. High temperatures into the 70s on the 10th dropped down into the 40s by the 12th. They rebounded slightly into the mid 50s for the

13th and 14th as high pressure helped to keep precipitation away from the state. Low temperatures followed suit, dropping from the 60s to the 30s. Although the passage of the fronts did bring 0.25 inches to the state, this value is still below the average of 0.34. Temperatures too dropped to below normal levels, in fact 10.2°F below the average of 55.2°F.

October 15-23

High precipitation totals and low temperatures plagued the middle portion of October. A low pressure system began forming in Colorado on the 15th and then continued to the east, bringing with it a lot of gulf moisture on the 16th. This gulf moisture brought rainfall totals on average of over 2 inches to southern and central Indiana and over an inch to northern parts of the Hoosier State. The rain continued on the 17th and 18th as two cold fronts passed through the state, rainfall amounts however, were not as high as on the 16th. Lowland flooding occurred, due to the heavy rainfall, in portions of Lafayette and Seymour. Residual moisture on the back side of the low kept showers persisting through the 19th in southern Indiana. The next disturbances did not waste anytime in finding Indiana. Rainfall amounts, generally less than a quarter of an inch a day, kept the state wet through the 23rd. High temperatures generally stayed in the 50s and 60s with the cloud cover and rain. Slightly more varied were the low temperatures that dipped down into the 20s across the northern part of the state on the 15th, however also jumped into the 50s for some mornings.

October 24-31

Yet another session of below normal temperatures and above normal rainfall was available to finish off the month. Although the state temperature average for this time of year is 51.3°F, the Hoosier state struggled to make the 45°F mark. Rainfall totals were again highest in the central and southern locations of the state with some locations receiving well over 2 inches of precipitation. Although the 24th was under the influence of high pressure, another low pressure system began to bring up gulf moisture and this system let the rain permeate throughout the Midwest. The influence of this system stuck around until the 27th keeping in place a blanket of clouds and precipitation. This blanket caused flooding in portions of Jackson County along the East Fork White River and by the White River in southwest Indiana. The next cold front brought rain and storms to the region on the 30th and 31st, however cleared out in time for Trick-or-Treating. Temperatures were playing tricks and giving the state treats throughout the final week of the month. High temperatures varied from the 40s to the 70s and low temperatures from the chilly 20s up to the 40s. This brought an end to the coldest October in Indianapolis since 1993.

Temperature

Region	Average	Normal	Deviation
Northwest	48.5	52.6	-4.1
North central	48.5	52.0	-3.5
Northeast	48.4	51.5	-3.1
West central	50.1	53.9	-3.7
Central	50.1	53.2	-3.1
East central	49.7	52.4	-2.7
Southwest	52.7	56.5	-3.8
South central	52.0	55.8	-3.8
Southeast	51.5	55.0	-3.5
State	50.2	53.7	-3.5

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	4.21	3.10	1.11	136
North central	4.55	3.13	1.42	145
Northeast	4.71	2.86	1.85	165
West central	5.01	3.00	2.01	167
Central	5.66	2.90	2.76	195
East central	5.53	2.75	2.78	201
Southwest	5.78	3.18	2.60	182
South central	5.58	3.12	2.47	179
Southeast	5.10	3.02	2.08	169
State	5.16	3.02	2.15	171

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	1 N of Decatur	2.19	-0.40	74
High Precipitation	3 SW of Greencastle	7.05	4.06	100

Fall Season-to-date (September-October)

Temperature

Region	Average	Normal	Deviation
Northwest	55.0	58.3	-3.3
North central	54.8	57.7	-2.9
Northeast	54.5	57.3	-2.7
West central	56.4	59.6	-3.2
Central	56.1	59.0	-2.9
East central	55.6	58.2	-2.6
Southwest	58.6	62.1	-3.5
South central	57.7	61.4	-3.6
Southeast	57.3	60.7	-3.4
State	56.3	59.4	-3.1

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	7.76	6.30	1.46	123
North central	7.56	6.41	1.15	118
Northeast	7.69	6.05	1.65	127
West central	8.65	6.07	2.58	143
Central	9.63	5.95	3.69	162
East central	8.82	5.63	3.19	157
Southwest	12.47	6.28	6.19	199
South central	12.26	6.23	6.03	197
Southeast	10.60	6.05	4.55	175
State	9.59	6.12	3.46	157

Annual-to-Date

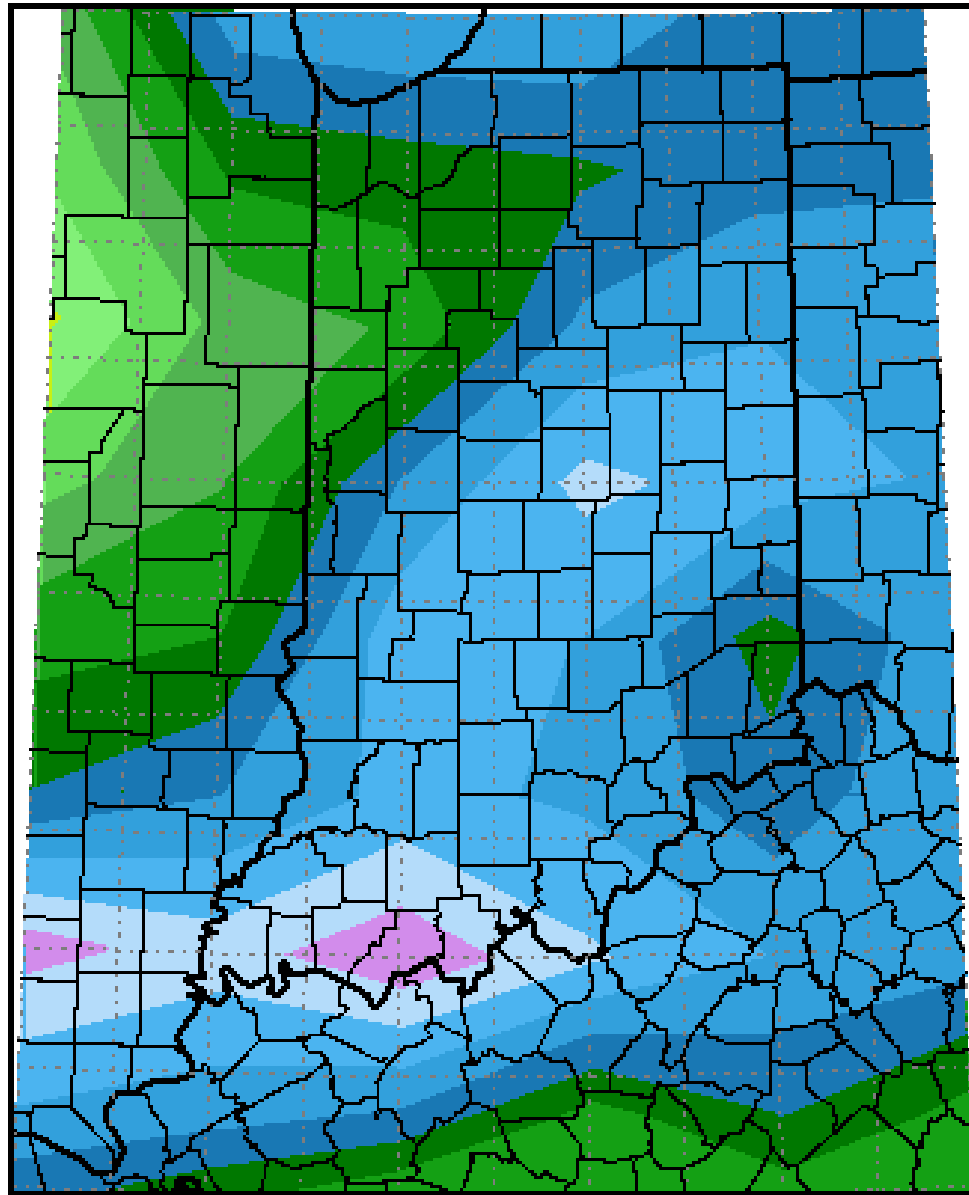
Temperature

Region	Average	Normal	Deviation
Northwest	54.7	53.5	1.2
North central	54.2	53.0	1.2
Northeast	54.1	52.6	1.5
West central	56.1	55.1	1.0
Central	55.7	54.6	1.2
East central	55.2	53.8	1.4
Southwest	59.3	58.2	1.1
South central	58.2	57.6	0.6
Southeast	57.4	56.7	0.7
State	56.2	55.1	1.1

Precipitation

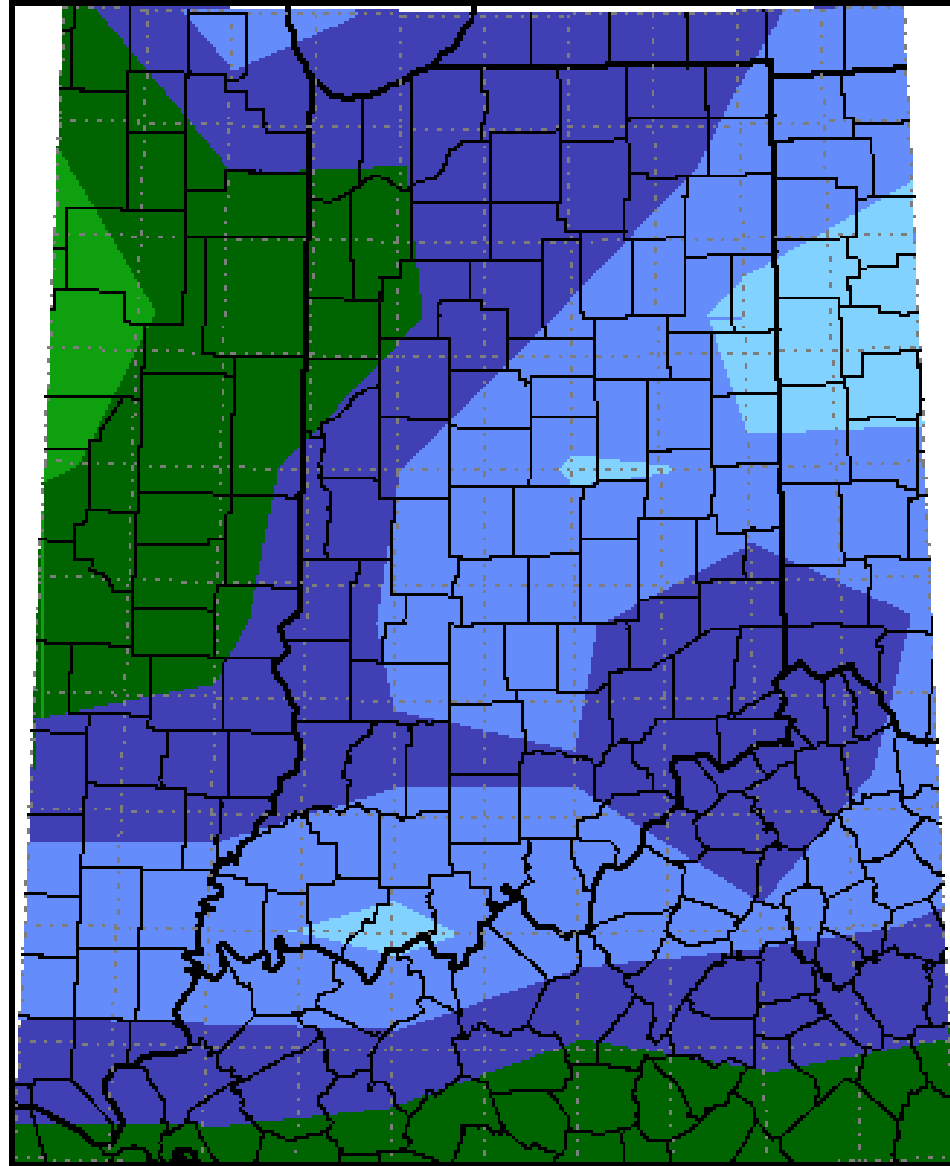
Region	Total	Normal	Deviation	Percent of Normal
Northwest	37.70	32.40	5.30	116
North central	37.26	32.44	4.82	115
Northeast	35.92	31.20	4.72	115
West central	40.67	34.84	5.83	117
Central	45.13	34.27	10.86	132
East central	40.87	33.11	7.76	123
Southwest	49.97	37.90	12.08	132
South central	50.72	38.16	12.56	133
Southeast	45.33	37.08	8.25	122
State	43.01	34.68	8.32	124

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



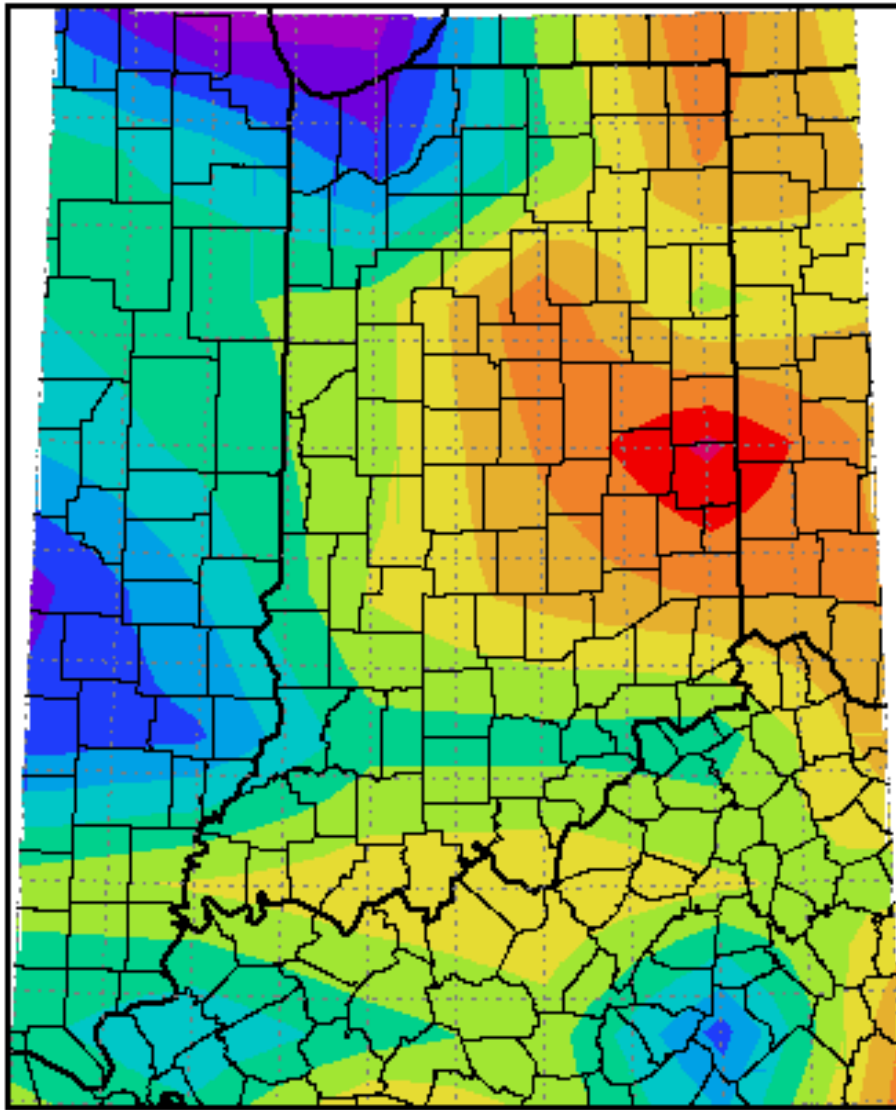
**Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois**

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



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

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



-4.2 -4 -3.8 -3.6 -3.4 -3.2 -3 -2.8 -2.6 -2.4 -2.2

Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

Contributions made by Al Shipe NWS Indianapolis