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Indiana State Climate Office

Monthly Weather Report

July 18, 2006



<http://www.iclimat.org>

June Summary 2006

June 1-7

June began with a stormy start across parts of the Hoosier State as a stationary front was draped across the state. The front brought with it average values of rainfall from 0.11 inches to 1.42 inches of precipitation. Areas of 2 to 3 inches of rain in east central Indiana caused some lowland flooding along parts of the East Fork White River in Jackson County. In addition to the wet weather, hail and damaging wind occurred. Sulphur in Crawford County received 45-50 mph winds and 0.75 inch hail. Wayne County had numerous trees, tree limbs, and power lines down and Mooresville in Morgan County had a wind gust of 65 mph. The front stuck around for the 2nd and again brought with it some severe weather. Seven miles to the southeast of Wabash in Wabash County 0.75 inch hail fell, however slightly larger 1.00 inch hail fell in South Fairmount in Grant County. By the third, only the northeast corner of the state was still receiving rainfall from the system before moving totally out of the area and another stationary front located off to the southwest of the state brought light rain to southern portions of the region. This continued into the 4th before high pressure built in on the 5th. The dry weather was short lived as a cold front approached from the west on the 6th bringing light rainfall across the state except for the southeastern portions. The front drew near and then swept by the state on the 7th triggering severe weather across the southern portions of the state. On this day multiple waves of storms occurred. Two individuals were injured and several homes were damaged as a super cell produced a tornado eight miles to the northeast of Seymour in Jennings County. Also in Jennings County, 0.75 inch hail was reported seven miles west of North Vernon with trees and limbs down. 0.75 inch hail also fell in Monroe and Scott Counties. Other hail reports around the area included 0.88 inch hail in Dubois County, and 1.00 inch hail in Spencer and Floyd Counties. Strong winds pushed trees down in Dubois, Dearborn, Union, Jackson, and Scott Counties. Precipitation state totals for the period were 1.26 inches or 0.22 inches above average. The central and southern parts of the state received higher rainfall amounts and the northern parts of the state mainly had less than an inch of rain. Temperatures were only slightly below normal with highs ranging from the upper 70s to the mid 80s. Low temperatures were mainly in the 50s and 60s. The morning of the 5th saw slightly cooler temperatures with temperatures around the 50 degree mark across the northern portions of the state.

June 8-11

This time frame was characterized by slightly above normal rainfall, 0.24 inches above the average of 0.53 inches, however severe weather did not occur. The 8th remained dry as the state was in-between systems. The 9th saw rainfall across the state as a cold front pushed southward. The front stalled and set up a stationary front just south of the state on the 10th, continuing the precipitation. The rain began to dissipate on the 11th, however some residual showers continued before the front pushed further to the south. Temperatures were below normal with the rainfall. 80s on the 8th gave way to mainly 70s on the 9th with warmer temperatures across the south. The 10th and 11th were even cooler with highs across central and northern Indiana only reaching into the 60s to low 70s. Southern portions of the state were in the upper 80s on the 10th and dropped to upper 70s on the 11th.

June 12-16

Both severe weather and rain were lacking from this period as high pressure dominated until the 16th when a few showers popped up in the central and southwestern parts of the state. Only 0.01 inches of precipitation fell with these showers. Temperatures however were above normal. High temperatures that started in the 70s built up into the upper 80s by the 16th. Low temperatures warmed from the low 50s to mid 60s.

June 17-23

Unsettled weather moved into the state from the 17th until the 23rd with severe weather occurring everyday. A series of stationary, warm, and cold frontal systems moved across the region. The severe weather from the 17th until the 19th was in advance of cold frontal systems and disturbances that moved through the state. On the 17th a sheriff reported a building in a roadway and power lines down in Greene County and in Owen County there were multiple trees down. Brown, Johnson, Shelby, and Hamilton Counties also had trees down. The 18th saw more wind damage in addition to a brief tornado touchdown in Hendricks County. Trees were down in Parke, Montgomery, Boone, Hamilton, and Putnam Counties. The 19th saw an increase in severe weather with multiple hail and severe wind reports. The largest hail was 2 inches in diameter and was reported in Owen, Henry, and Putnam Counties. Trees and power lines were down across multiple counties due to strong wind gusts. On the 20th a stationary front set up in southern Indiana and then moved northward as a warm front on the 21st. A cold front came through on the 22nd and then stalled as a stationary front over the state on the 23rd before finally moving away from Indiana and taking with it the severe weather. 1.00 inch hail fell in the Newburgh area in Warrick County on the 20th. 1.00 inch hail also fell in Pike County and 0.75 inch hail in Spencer. Larger 1.25 inch hailstones fell in Gibson County. Eight miles south of Vincennes in Knox County trees on Old Decker Road took down power lines as they fell to the ground. This also occurred in Grant County. The bulk of the activity shifted to the north on the 21st. Hail ranged in size from 0.75 inches to 2.00 inches in diameter. Wind damage occurred in La Porte, Porter, Starke, Noble, and Cass Counties. Strong winds were also felt in Carroll and Kosciusko Counties. A more widespread event set up on the 22nd, however unlike the previous day all the hailstones reported were an inch or less in

diameter. Several trees and power lines were down across multiple counties as strong winds moved across Indiana. In Grant County part of the Grant County courthouse roof was blown off. Small farm buildings were destroyed in Spencer County and a roof was blown off a machine shed in addition to grain bins that were destroyed in Daviess County. The 23rd was pretty quiet with respects to severe weather with only one report of wind damage in Friendship. There were large tree limbs down in Ripley County. With all of the storms that fired across the area through this period, rainfall amounts were well above normal. The central and southern parts of the state again received more precipitation than the northern locations. The state averaged precipitation was 1.65 whereas the normal for this period is 0.88 inches. Temperatures were slightly above average on the whole. Highs in the upper 80s to low 90s on the 17th dropped down to the upper 70s on the 18th after the frontal passage. The rest of the time period saw 80s across central and northern Indiana with low 90s scattered across the south. Lows hovered mainly in the 60s and 70s.

June 24-30

The end of the month was a representation of the rest of June, more severe and unsettled weather. Only a few showers scattered over the state moved in on the 24th with another disturbance on the 25th bringing the only severe weather report of the day. A tornado briefly touched down 10 miles to the southwest of Lafayette in Tippecanoe County. A few storms reached severe heights in the northwestern corner of the state on the 26th as a low pressure system tracked across the state. These reports included 1.00 inch hail in Lake County, 0.88 inch hail in Newton and Pulaski Counties, and 0.75 inch hail in Newton County. A break in the severe weather on the 27th as a stationary front remained off to the east, however rain continued to fall in association with another weaker disturbance moving across the state. A stronger cold front brought a return to the severe weather on the 28th with the main threat being hail. The largest hail of 1.75 inches was found in Yorktown in Delaware County. There was some wind damage in Madison County where there were trees and power lines down and roof damage to a building. Trees were also down in Clay and Switzerland Counties. The front lay just south of the state on the 29th with only spotty showers across the north central and northeastern parts of the state. Another disturbance brought 0.75 inch hail to Greene County on the 30th to finish off the month with 14 severe weather days. Precipitation values were 0.35 inches below the normal of 1.02 inches and the mean temperatures were 2.2 degrees below the normal of 73.2°F. Highs were generally in the 80s with a few spotty upper 70 values. Lows varied between the mid 50s to the lower 70s.

Temperature

Region	Average	Normal	Deviation
Northwest	69.1	70.2	-1.0
North central	68.6	69.6	-1.0
Northeast	68.6	69.2	-0.6
West central	70.4	71.5	-1.1
Central	69.4	70.8	-1.5

East central	68.9	70.0	-1.1
Southwest	73.4	73.5	-0.1
South central	71.7	72.6	-0.9
Southeast	70.2	71.7	-1.5
State	70.1	71.1	-1.0

Precipitation

Region	Total	Normal	Deviation	Percent of Normal
Northwest	2.87	4.27	-1.40	67
North central	3.04	4.27	-1.23	71
Northeast	3.00	4.11	-1.11	73
West central	4.64	4.33	0.30	107
Central	5.77	4.18	1.59	138
East central	5.46	4.38	1.07	124
Southwest	4.19	4.15	0.04	101
South central	4.99	4.13	0.86	121
Southeast	5.02	4.27	0.75	118
State	4.36	4.22	0.13	103

Local extremes with over 50% of the data available

	Site	Ob	Dev	% Available Data
Low Precipitation	7 mi SE of Lake Village	1.43	-2.88	77
High Precipitation	Bloomington	8.81	4.66	93

Summer Season-to-date (Same as month-to-date)

Temperature

Region	Average	Normal	Deviation
Northwest	69.1	70.2	-1.0
North central	68.6	69.6	-1.0
Northeast	68.6	69.2	-0.6
West central	70.4	71.5	-1.1
Central	69.4	70.8	-1.5
East central	68.9	70.0	-1.1
Southwest	73.4	73.5	-0.1

South central	71.7	72.6	-0.9
Southeast	70.2	71.7	-1.5
State	70.1	71.1	-1.0

Precipitation

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Southwest	4.19	4.15	0.04	101
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Annual-to-Date

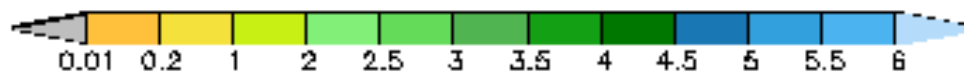
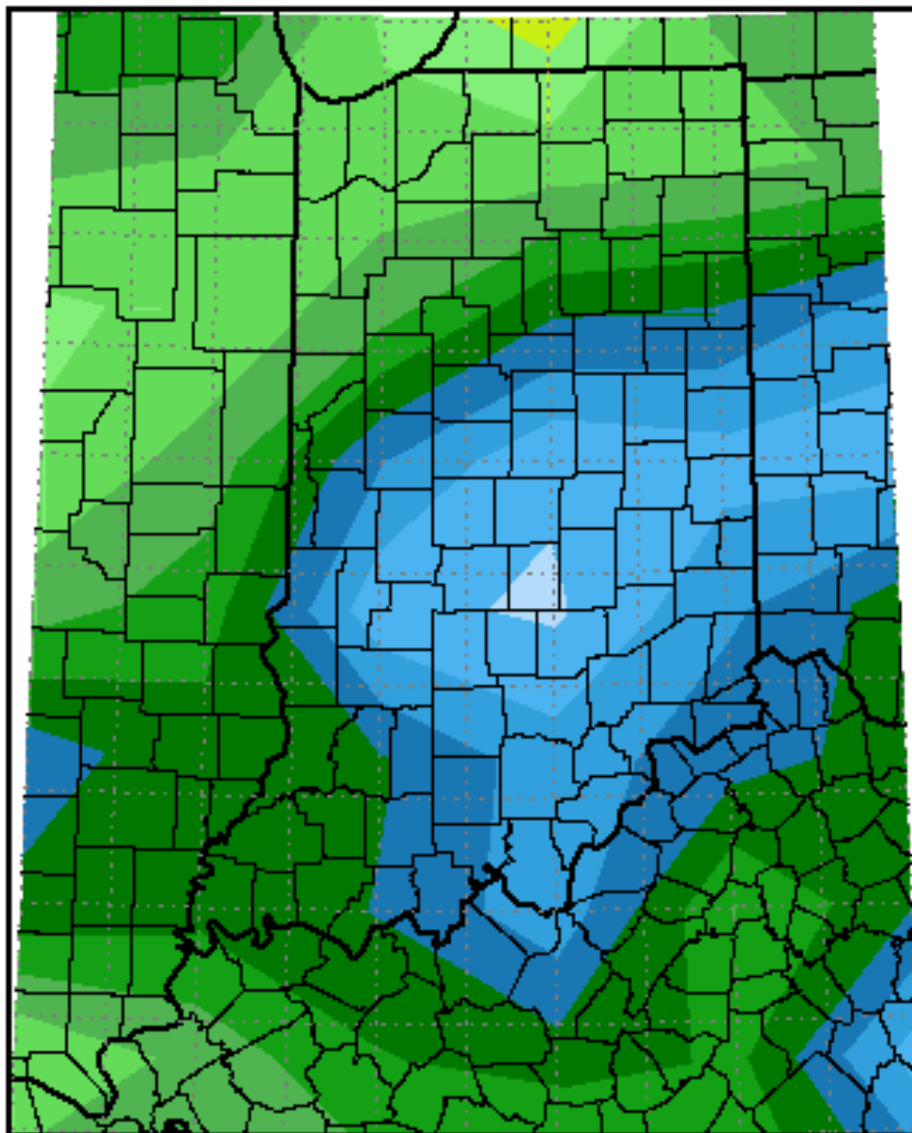
Temperature

Region	Average	Normal	Deviation
Northwest	48.1	45.3	2.8
North central	47.6	44.9	2.8
Northeast	47.5	44.5	3.1
West central	49.8	47.2	2.6
Central	49.3	46.7	2.6
East central	48.8	45.9	2.9
Southwest	53.3	50.7	2.6
South central	52.1	50.2	1.9
Southeast	51.1	49.2	1.8
State	49.8	47.3	2.6

Precipitation

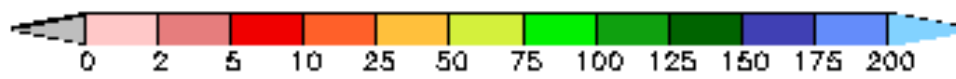
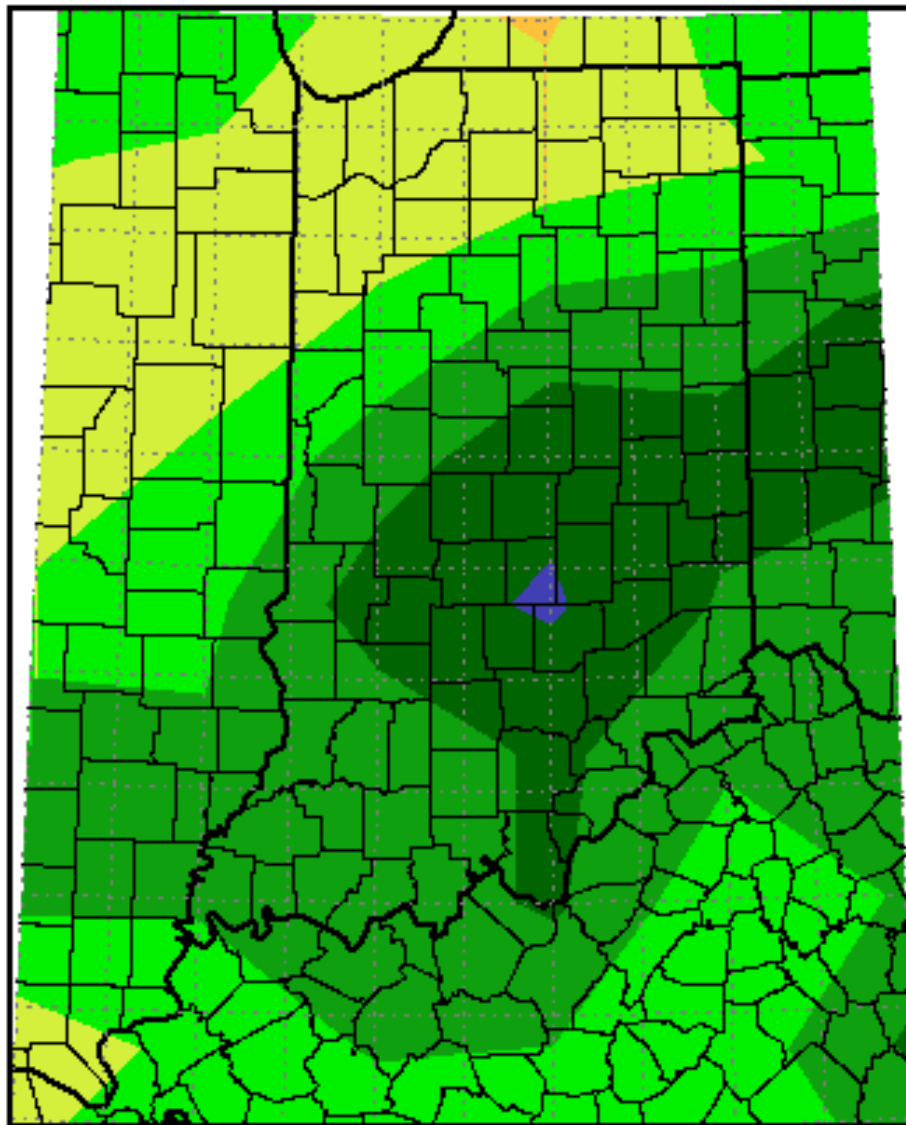
Region	Total	Normal	Deviation	Percent of Normal
Northwest	19.09	18.45	0.64	103
North central	19.58	18.44	1.14	106
Northeast	19.95	17.90	2.05	111
West central	23.69	20.47	3.22	116
Central	26.57	20.43	6.15	130
East central	23.16	20.02	3.15	116
Southwest	28.22	23.73	4.48	119
South central	29.42	23.76	5.66	124
Southeast	26.56	23.12	3.44	115
State	24.27	20.74	3.53	117

**Total Precipitation in Inches
June 1, 2006 to June 30, 2006**



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

**Total Precipitation Percent of Mean
June 1, 2006 to June 30, 2006**

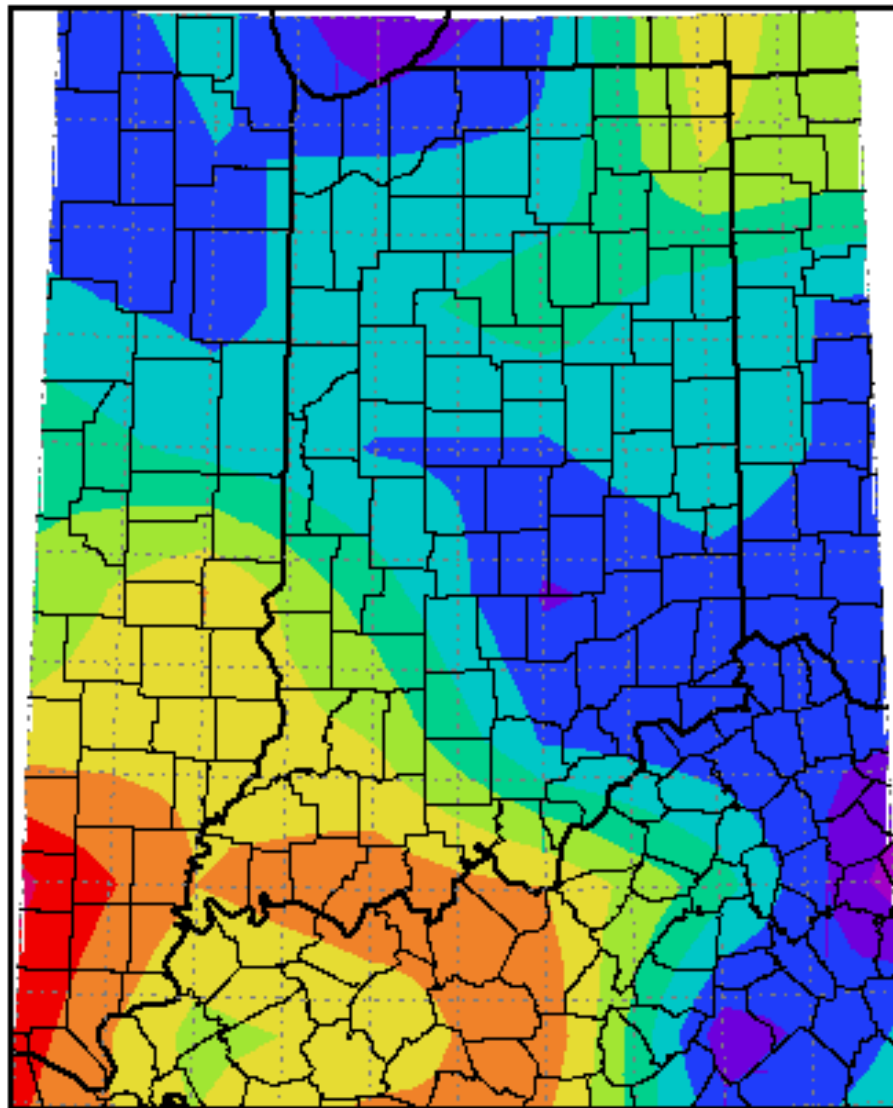


Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

**Average Temperature Departure from Mean in Degrees F
June 1, 2006 to June 30, 2006**



Midwestern Regional Climate Center

Illinois State Water Survey

Champaign, Illinois

Contributions made by Al Shipe NWS Indianapolis