

Central Indiana

June 2016

Climate Summary

Tied for 27th Warmest on record at Indianapolis

Tied for 52nd Wettest on record at Indianapolis

Temperatures

June 2016 was the warmest June since 2012, with most of central Indiana experiencing temperatures averaging 2 to 4 degrees above normal. At Indianapolis, eight days saw temperatures rise to 90 degrees or warmer, more than any other June over the last 20 years except the memorable hot June of 2012.

Temperatures were near to slightly below normal through the first week of the month with highs ranging from the middle 70s to middle 80s and lows ranging from the 50s into the lower and middle 60s. The first really hot stretch of the season arrived beginning on the 10th and continued for the most part through the 15th as highs frequently rose into the lower 90s with a humid airmass as well. Highs remained largely above 80 degrees through much of the rest of the month. The expansion of an upper level trough into the Ohio Valley on the 28th brought a cooler and much less humid airmass to end the month with highs primarily in the 70s and morning lows in the 50s.

Site	June 2016 Avg Temp	June 2016 Difference from Normal	Highest Temperature	Lowest Temperature
Indianapolis	74.5	+2.5	92 on 11 and 12	51 on 8
Lafayette	72.1	+0.6	93 on 10 and 11	46 on 8
Muncie	73.9	+2.5	93 on 11 and 26	51 on 8 and 9
Terre Haute	75.2	+2.8	94 on 11 and 12	50 on 8
Bloomington	74.2	+2.8	93 on 12	51 on 8 and 9

Shelbyville	75.3	+3.8	95 on 11	53 on 8
Indy – Eagle Crk.	74.8	+2.5	92 on 11 and 26	53 on 8

At Indianapolis, there were 22 days with above normal average temperatures, 6 days with below normal average temperatures and 2 days with normal average temperatures.

June 2016 was tied for the 27th warmest in the Indianapolis area since 1871.

Precipitation

Monthly rainfall during June varied widely across the state. Totals ranged from around an inch in portions of Lake and Porter Counties in northwest Indiana to more than 10 inches in a small area of Fayette County in east central Indiana. Rainfall was below normal in northwest and in portions of southwest and northeast Indiana. Much of the remainder of the state received near normal to above normal precipitation. Many areas received between 2 and 6 inches of rain in June.

Precipitation during June favored much of central, south central, southeast and portions of northeast Indiana. Rainfall of an inch or more fell on 9 days at some location in the state. None of the rain events during June provided complete areal coverage. Only localized flooding followed the heavier rain events of the 15th, 20th and 23rd.

Rainfall during the first half of June varied from less than an inch in a sizeable portion of northern Indiana and small areas of southwest Indiana to over 6 inches in small portions of central and east central Indiana. Rainfall during the last half of June continued to fall in many of the same areas as the first half. Precipitation totals varied from less than a quarter of an inch in portions of southwest Indiana to over 4 inches in central and parts of northeast Indiana.

At the end of June, the U.S. Drought Monitor indicated abnormally dry conditions in northwest Indiana and pockets of north central, east central, southwest and south central Indiana. This totaled nearly 20 percent of the state.

Site	June 2016 Precipitation	June 2016 Difference from Normal	Wettest Day	Longest Dry Stretch
Indianapolis	4.53	+0.28	1.52 on 15	9 days 5-13
Lafayette	5.53	+1.43	1.63 on 23	8 days 6-13
Muncie	3.62	-1.04	1.47 on 10	4 days 6-9, 16-19 and 27-30
Terre Haute	4.49(*)	+0.05	2.09 on 22	9 days 5-13

Bloomington	3.63	-1.26	1.00 on 22 and 26	5 days 7-11 and 16-20
Shelbyville	4.15	-0.25	0.91 on 14	4 days 6-9 and 16-19
Indy – Eagle Crk.	8.86	+4.47	3.14 on 15	9 days 5-13

June 2016 was tied for the 52nd wettest in the Indianapolis area since weather records began in 1871.

(*) Precipitation missing at Terre Haute 6/3 and 6/4

Severe Weather

There were a few severe weather events that impacted central Indiana throughout June. Severe storms developed during the afternoon and evening of the 15th producing wind damage with gusts of 60 to 65 mph measured in multiple locations and large hail across much of central Indiana near and south of Interstate 70. Scattered strong to severe storms impacted areas near and north of Interstate 70 during the evening of the 20th.

The largest severe weather event of the month occurred during the late evening of the 22nd and early morning of the 23rd as a line of intense thunderstorms producing high winds moved southeast across the northern half of central Indiana. Wind gusts were measured at 100 mph north of Lafayette with an 82 mph wind gust in Russiaville. The most widespread wind damage occurred from Tippecanoe and Carroll Counties southeast through western Howard, eastern Clinton and Tipton counties. Additional wind damage occurred across the northern and eastern Indianapolis suburbs.

For information on severe weather in other areas during June, visit the Storm Prediction Center “Severe Weather Event Summaries” website at <http://www.spc.noaa.gov/climo/online/>.

Miscellaneous

The maximum wind gust at the Indianapolis International Airport was 38 mph from the northeast on the 15th and again from the north on the 20th as rain and thunderstorms moved through the Indianapolis metro area. Fog or haze was reported at Indianapolis on 14 days this month. Dense fog occurred on the 24th. Thunder was reported at Indianapolis on 9 days in June.

July 2016 Outlook

The official outlook for July 2016 from the Climate Prediction Center indicates a slightly greater chance of above normal temperatures across central Indiana. At Indianapolis, the average temperature for the month is 75.4 degrees. Equal chances for near, above or below normal precipitation exist. The average precipitation for July at Indianapolis is 4.55”.

Data prepared by the Indianapolis Forecast Office.