

SPRING 2025 Review

of Weather Conditions Experienced in Central Indiana

13th Warmest on record at Indianapolis

28th Wettest on record at Indianapolis

10th Least Snowiest on record at Indianapolis (Tied)

SPRING 2025 Temperature Data for Central Indiana Sites

Station	SPRING 2025 Average Temperature	SPRING Season Normal Temp	Difference From Normal
Indianapolis Int'l Airport	55.3	53.2	+2.1
Lafayette	53.6	50.9	+2.7
Muncie	54.4	53.2	+1.2
Terre Haute	56.2	53.6	+2.6
Bloomington	55.9	53.8	+2.1
Shelbyville	57.0	54.3	+2.7
Eagle Creek Airpark	55.9	53.3	+2.6

SPRING 2025 Temperature Extremes Across Central Indiana

Station	Highest Temperature	Lowest Temperature
Indianapolis Int'l Airport	87 on 5/15	15 on 3/2
Lafayette	90 on 5/15	12 on 3/2
Muncie	86 on 5/15, 5/16	14 on 3/2
Terre Haute	89 on 5/15	14 on 3/2
Bloomington	87 on 5/15	13 on 3/2
Shelbyville	89 on 5/15	17 on 3/2
Eagle Creek Airpark	88 on 5/15	18 on 3/2

SPRING 2025 Precipitation Data for Central Indiana Sites

Site	SPRING 2025 Precipitation	SPRING Season Normal Precip	Difference From Normal	Greatest Daily Precipitation
Indianapolis Int'l Airport	15.22	12.78	+2.44	2.46 on 4/5
Lafayette	10.46	10.61	-0.15	1.41 on 5/20
Muncie	11.64	11.33	+0.31	1.21 on 3/15
Terre Haute	14.71	12.34	+2.37	2.84 on 4/4
Bloomington	16.15	13.23	+2.92	1.99 on 4/5
Shelbyville	16.21	12.61	+3.60	2.06 on 4/4
Eagle Creek Airpark	13.57	11.68	+1.89	2.70 on 5/14

Spring 2025 Severe & Impactful Weather

MARCH 2025 brought an active start to the spring season with the overall very mild pattern bringing three severe weather episodes: very early on the 15th, the evening of the 19th, and early evening on the 30th. These episodes also impacted much of the areas surrounding central Indiana, with the state totaling 8 tornadoes on 3/15, 7 tornadoes on 3/19, and 1 tornado on 3/30.

The early overnight hours starting **March 15 brought numerous severe thunderstorms** to nearly all corners of the region. Wind damage ranged from dozens of trees blown down across both Warren and Fountain Counties, to multiple power poles/lines downed in Knox and Bartholomew Counties and damage at over 50 locations in Rush County; straight line winds estimated around 80 mph both collapsed a new barn in Jackson County and blew over a security trailer north of Rushville, **injuring 3 people**. Lafayette gusted to 66 mph while Bloomington recorded 64 mph; marginally severe gusts around 60 mph were reported near Frankfort and in downtown Indianapolis. Several cells were tornadic: an **EF1 tornado** impacted Mecca (Parke Co.) before a (previously-EF2) tornado continued the last portion of its overall 58-mile track across Daviess and Martin Counties as an **EF1 tornado**. The Martin County circulation then spawned two more **EF0 tornadoes** in Lawrence County between the Silverville and Needmore communities. Lastly an **EF1 tornado** impacted rural south-central Jackson County. These 5 tornadoes within central Indiana occurred between 214 and 517 AM EDT.

The evening of March 19 saw thunderstorms produce widely scattered severe weather across the region's northwestern half as well as several storm reports along a swath between the Bedford to Greensburg areas. Numerous trees were uprooted in the Delphi (Carroll Co.) area, straight line winds were estimated as high as 70 mph both north of Terre Haute, and in Boone

County, and a semi truck was blown over on I-65 in Clinton County. Hail up to 2.00" was observed in Lebanon and portions of Lawrence County; widespread large hail fell on the Greencastle (Putnam Co.) area, with a few hailstones larger than 1.50". An **EF2 tornado** tracked for over 13 miles across southeastern Bartholomew County, producing winds up to 112 mph, causing damage to well-built farm buildings and widespread power pole damage.

Yet another round of widespread strong to severe thunderstorms occurred on March 30 from mid-afternoon to early evening hours. An initial, afternoon round of storms produced over a dozen reports of straight line wind damage from the Upper Wabash Valley to north-central counties, with winds measured as high as **70 mph** near Lafayette. Widespread small hail along the I-70 corridor through the early evening included isolated large hail in Vigo and Putnam Counties. A final round of early evening storms produced widely scattered damage across the region's southern third: with wind to around 70 mph in both Knox and Brown Counties, several reports of marginally-severe hail (~1.00") and hail as large as golfballs (**1.75"**), and a very brief **EF0 tornado** south of Clear Creek (Monroe County).

APRIL 2025 continued the spring's active pattern between severe thunderstorms on the **2nd, 19th, 29th, and 30th** and, following early-month heavy rains, widespread significant river flooding between the **5th and 17th**. The severe episodes each contained widespread (2nd) or numerous (19th, 29th, 30th) events. The April 2nd severe outbreak also included 23 tornadoes across Indiana, tying 3/31/2023 for Indiana's 5th-greatest tornado outbreak on record (since 1950).

The **April 2nd, 2025** severe weather outbreak was generated by a strong low pressure system whose strong to severe squall line formed over Illinois and moved across central Indiana through the evening hours. Multiple severe storms embedded in the line produced damaging winds and/or tornadoes, as well as flash flooding in several counties. Severe straight-line winds were observed by over a dozen weather stations, with highest recorded gusts ranging from **81 mph** at Danville, **80 mph** in south-central Marion County, **87 mph** in Lapel (Madison Co.), and **100 mph** from a personal weather station in Eaton (Delaware Co.). The most noteworthy damage from these non-tornadic winds were three semi trucks blown over in western Vigo County, a barn blown 80 yards in Hendricks County, numerous trees downed onto homes/cars and a semi truck blown over in Marion County, debris from considerable damage making many roads impassable in Madison County, and a semi truck overturned in Randolph County. **Flash flooding** in Marion County submerged several cars to windshield level while stranding numerous other cars in Marion County, washed out or closed roads for several days in Brown County, and caused over 30 water rescues in Lawrence County.

April 2nd's 11 tornadoes that impacted the local region from 714 PM to 957 PM EDT occurred within an overall narrow swath from north of Terre Haute, across northwestern and northern portions of the Indianapolis Metro, and most notably just northwest of the Anderson and Muncie communities. Secondary tornadoes occurred parallel to the main circulations in Hendricks, Madison, and Delaware Counties. Three **EF2s** were spawned – over Hendricks-Marion County, Madison County and Madison-Delaware County. The Hendricks County circulation tracked through Brownsburg and caused the **episode's only injury** when blowing down a warehouse wall, and then continued into Marion County as an EF1, downing trees in Eagle Creek Park; this was

the **first tornado to hit Indianapolis since June 2019**. A brief EF0 tornado also occurred in Lawrence County. Large hail was a tertiary impact with marginally-severe hail only reported in southeastern Marion County.

Heavy rains through the month's first week, and most notably widespread 4-8" totals during the **2nd-5th** near and south of the I-70 corridor, produced moderate to major flooding along the entirety of the East Fork White River and several of its tributaries and also the lower White River. Several river sites recorded a top-4 all-time crest: 2nd-highest on the Big Blue at Shelbyville, 3rd - highest on the East Fork White near Columbus and near Seymour and White River at Petersburg, and 4th-highest on the East Fork White at Rivervale and White River at Spencer, Edwardsport and Hazleton.

Pre-dawn on the **19th**, a line of thunderstorms with widespread damaging winds impacted much of the I-70 corridor, including pockets of significant tree damage. An **84-mph** gust was measured at Indianapolis Int'l: the second strongest wind gust on record for the station. Downed trees caused damage to structures and/or automobiles in Vigo, Clay, Putnam, and Delaware Counties. Wind gusts were measured as high as **63 mph** at Terre Haute and **59 mph** at Greencastle.

April **29th**'s two rounds of strong to severe thunderstorms started with a few reports of large hail and damaging winds impacting predominately the central portion of the state: multiple structures were impacted in Rush County from a swath of **75-80 mph** winds. More storms during the early evening hours impacted mainly the southern portions of central Indiana with marginally severe hail, damaging winds, and flash flooding in spots where as much as 4 inches of rain fell.

The **30th**'s late-day slow-moving, yet rotating cells produced large hail from Daviess County to Jackson County, including **1.50"** hail near Washington and **2.50"** hail in Loogootee (Martin Co.).

MAY 2025 was noticeably less active than the spring's preceding two months, with severe weather occurring within central Indiana on three days, including only one larger episode on the **16th**. The **14th**'s overall mundane showers and few weak thunderstorms also included a cluster of cells that merged together, spawning a very brief landspout **EFU tornado** west of Winchester (Randolph Co.). May **20th** featured several marginally strong to severe thunderstorms amid cool yet increasingly humid conditions: **1.00" hail** was reported in Montgomery County and from northeastern Morgan County to southeastern Marion County, while winds were strong enough to damage trees in Crawfordsville.

May **16th** brought the month's lone outbreak when several rounds of discrete strong to severe thunderstorms impacted essentially all corners of the region, resulting in damaging straight line winds across 8 counties, widely scattered large to very large hail from rotating supercells (as great as **4.00"** in Sullivan County), and 5 more tornadoes that included an **EF2 with 4 casualties** in Greene County. Straight line winds produced damage from Fountain County to Hamilton County, with greatest intensity across southern Marion County (with estimated gusts to 65-80 mph and a **74-mph** reading at the Indianapolis Airport), Hamilton County (where multiple and/or large trees were downed), and northern Madison County (from winds estimated as high as 83 mph that downed multiple trees and powerlines). Multiple reports of hail as large as baseballs (2.75") to softballs (4.00") were received near Sullivan, before baseball-sized hailstones in southeastern

Owen County broke windows in homes and vehicles and also dented vehicles, golf ball-sized hail (1.75”) also occurred in the Bloomington area.

The 16th's mini tornado outbreak brought 6 twisters to Indiana, 5 of which were within the local central Indiana region. The same supercell that produced the large to very large hail also spawned three tornadoes – a deadly **EF2** that tracked for 14 miles through western and central Greene County, a brief **EF1** in northeastern Greene County, and a long-lived (35-mile) **EF2** that tracked over central Monroe County, southern Brown County and into Bartholomew County before ending near Grandview Lake. The Greene Co. **EF2** caused significant structural damage to several homes both north of Linton and north to northeast of Switz City where several farm outbuildings were destroyed; numerous large trees were downed along the track, including one that fell onto a vehicle, injuring 3 while one person perished. The Greene Co. **EF1** downed numerous trees east of Tulip. The long track **EF2** destroyed a barn east of Elwren before causing minor damage to several homes and removing a post office roof in Clear Creek; major damage was inflicted on several more buildings southeast of Bloomington. In Brown County, substantial tree damage and isolated structural damage occurred, with the tornado exhibiting a wider path of tree damage up to 300-350 yards through much of Brown County State Park - several areas exhibited EF2 intensity damage along a 4-mile track segment around the Stone Head area; into Bartholomew County damage was confined to at times substantial tree damage as the circulation weakened and ended. Two less intense tornadoes followed to the northwest: a weakening **EF0** that tracked from Illinois into northwestern Sullivan County, downing trees; and a brief **EF0** in far west-central Putnam County, downing numerous trees.

For info on severe weather in other areas during the SPRING season, visit the Storm Prediction Center “Severe Weather Event Summaries” website at spc.noaa.gov/climo/online

Summer 2025 Outlook for Central Indiana

The official outlook for the 2025 summer season (June–August) from the Climate Prediction Center, indicates slightly greater chances of above normal temperatures across the Midwest. The outlook also indicates equal chances of above, below, or near normal precipitation for Indiana and vicinity. At Indianapolis, the normal summer temperature is **74.3°F**. The normal summer precipitation is **12.57”**.

*All data prepared by the NWS Indianapolis Weather Forecast Office’s Indiana State Climate Team
Questions should be referred to nws.indianapolis@noaa.gov*

Indianapolis Spring 2025 Monthly Data

INDIANAPOLIS MARCH 2025 SUMMARY

	Average Temp	Precipitation	Snowfall	Highs $\geq 70^{\circ}/80^{\circ}$
March 2025	48.5	2.78	0.1	9/1
Normal March	42.4	3.69	3.2	3/0
Diff from Normal	+6.1	-0.91	-3.1	+6/+1

MARCH 2025 All-Time Ranks...

Precipitation: **51th Driest** (Tied)

Temperature: **10th Mildest**

Snowfall: **21st Least Snowiest** (Tied)

INDIANAPOLIS APRIL 2025 SUMMARY

	Average Temp	Precipitation	Snowfall	Highs $\geq 70^{\circ}/80^{\circ}$
April 2025	54.9	8.02	T	13/5
Normal April	53.6	4.34	0.2	10/2
Diff from Normal	+1.3	+3.68	-0.2	+3/+3

APRIL 2025 All-Time Ranks...

Precipitation: **5th Wettest**

Temperature: **31st Warmest** (Tied)

Snowfall: **25th Least Snowiest** (Tied)

INDIANAPOLIS MAY 2025 SUMMARY

	Average Temp	Precipitation	Snowfall	Highs $\geq 70^{\circ}/80^{\circ}$
May 2025	62.4	4.42	0.0	20/4
Normal May	64.0	4.75	0.0	21/10
Diff from Normal	-1.6	-0.33	0	-1/-6

MAY 2025 All-Time Ranks...

Precipitation: **58th Wettest**

Temperature: **72nd Coolest** (Tied)

INDIANAPOLIS SPRING 2025 SUMMARY

	Average Temp	Precipitation	Snowfall	Highs $\geq 70^{\circ}/80^{\circ}$
SPRING 2025	55.3	15.22	0.1	42/10
Normal SPRING	53.2	12.78	3.4	33/12
Diff from Normal	+2.1	+2.44	-3.3	+9/-2

SPRING 2025 All-Time Ranks...

Precipitation: **28th Wettest**

Temperature: **13th Warmest**

Snowfall: **10th Least Snowiest** (Tied)