

# Costliest U.S. Tropical Cyclones

NOAA's National Centers for Environmental Information (NCEI) in consultation with the National Hurricane Center (NHC) has updated this listing of costliest tropical cyclones to strike the United States. This listing was previously found in the NOAA memorandum The Deadliest, Costliest and Most Intense U.S. Tropical Cyclones, at <https://www.nhc.noaa.gov/pdf/nws-nhc-6.pdf>

For all United States hurricanes, Hurricane Katrina (2005, \$193.8B\*) is the costliest storm on record. Hurricane Harvey (2017, \$153.8B\*) ranks second, Hurricane Ian (2022, \$115.2B\*) ranks third, Hurricane Maria (2017, \$110.7B\*) ranks fourth, and Hurricane Sandy (2012, \$85.2B\*) ranks fifth.

The NCEI data set provides more loss information than previous damage figures used by NHC, including agriculture, individual payouts, and disaster money from the federal government to the respective states. In performing these disaster cost assessments, NCEI examined statistics from a wide variety of sources. Using the latest scientific methodology, it determined the estimated total costs of these events - that is, the costs in terms of dollars that would not have been incurred had the event not taken place. Insured and uninsured losses are included in damage estimates. Sources include the National Weather Service, the Federal Emergency Management Agency, U.S. Department of Agriculture, U.S. Army Corps of Engineers, individual state emergency management agencies, state and regional climate centers, media reports, and insurance industry estimates.

For more information visit <https://www.ncei.noaa.gov/access/billions/>

*\*values based on the 2023 Consumer Price Index adjusted cost*



Costliest tropical cyclones to impact the United States (cost values are based on the 2023 Consumer Price Index adjusted cost)

Tropical Cyclone	Year	Category	Adjusted Costs
Katrina	2005	3	\$193.8B
Harvey	2017	4	\$153.8B
Ian	2022	4	\$115.2B
Maria	2017	4	\$110.7B
Sandy	2012	1	\$85.2B
Ida	2021	4	\$81.7B
Irma	2017	4	\$61.5B
Andrew	1992	5	\$58.3B
Ike	2008	2	\$41.7B
Ivan	2004	3	\$32.8B
Michael	2018	5	\$30.0B
Wilma	2005	3	\$29.1B
Florence	2018	1	\$28.8B
Rita	2005	3	\$28.3B
Laura	2020	4	\$27.2B
Charley	2004	4	\$25.6B
Hugo	1989	4	\$21.9B
Irene	2011	1	\$18.1B
Frances	2004	2	\$15.7B
Agnes	1972	1	\$15.3B
Allison	2001	TS	\$14.6B
Betsy	1965	3	\$13.7B
Matthew	2016	1	\$12.6B
Jeanne	2004	3	\$12.0B
Camille	1969	5	\$11.8B
Floyd	1999	2	\$11.7B
Georges	1998	2	\$11.1B
Fran	1996	3	\$9.7B
Diane	1955	1	\$9.5B
Opal	1995	3	\$9.3B
Alicia	1983	3	\$9.1B
Isabel	2003	2	\$9.0B
Sally	2020	2	\$8.5B
Gustav	2008	2	\$8.3B
Celia	1970	3	\$7.3B
Frederic	1979	3	\$7.2B
Iniki	1992	4	\$6.7B
Long Island Express	1938	3	\$6.6B
Great Atlantic Hurricane	1944	3	\$6.0B
Imelda	2019	TS	\$5.9B
Isaias	2020	1	\$5.6B
Carol	1954	3	\$5.2B
Zeta	2020	2	\$5.1B
Marilyn	1995	2	\$4.2B
Juan	1985	1	\$4.2B
Donna	1960	4	\$4.0B
Dennis	2005	3	\$3.9B



Tropical Cyclone	Year	Category	Adjusted Costs
Elena	1985	3	\$3.7B
Isaac	2012	1	\$3.6B
Delta	2020	2	\$3.4B
Lee	2011	TS	\$3.4B
Bob	1991	2	\$3.4B

*Last Updated: July 11, 2023*



Tropical cyclones impacting the United States that resulted in at least \$1 billion of damage costs at the time they occurred

Tropical Cyclone	Year	Category	Unadjusted Costs
Katrina	2005	3	\$125.0B
Harvey	2017	4	\$125.0B
Ian	2022	4	\$111.8B
Maria	2017	4	\$90.0B
Ida	2021	4	\$73.6B
Sandy	2012	1	\$65.0B
Irma	2017	4	\$50.0B
Ike	2008	2	\$30.0B
Andrew	1992	5	\$27.0B
Michael	2018	5	\$25.0B
Florence	2018	1	\$24.0B
Laura	2020	4	\$23.2B
Ivan	2004	3	\$20.5B
Wilma	2005	3	\$19.0B
Rita	2005	3	\$18.5B
Charley	2004	4	\$16.0B
Irene	2011	1	\$13.5B
Matthew	2016	1	\$10.0B
Frances	2004	2	\$9.8B
Hugo	1989	4	\$9.0B
Allison	2001	TS	\$8.5B
Jeanne	2004	3	\$7.5B
Sally	2020	2	\$7.3B
Floyd	1999	2	\$6.5B
Georges	1998	2	\$6.0B
Gustav	2008	2	\$6.0B
Isabel	2003	2	\$5.5B
Fran	1996	3	\$5.0B
Imelda	2019	TS	\$5.0B
Isaias	2020	1	\$4.8B
Opal	1995	3	\$4.7B
Zeta	2020	2	\$4.4B
Iniki	1992	4	\$3.1B
Alicia	1983	3	\$3.0B
Delta	2020	2	\$2.9B
Isaac	2012	1	\$2.8B
Dennis	2005	3	\$2.5B
Lee	2011	TS	\$2.5B
Fiona	2022	1	\$2.5B
Agnes	1972	1	\$2.1B
Marilyn	1995	2	\$2.1B
Frederic	1979	3	\$1.7B
Dorian	2019	1	\$1.6B
Juan	1985	1	\$1.5B
Bob	1991	2	\$1.5B
Eta	2020	TS	\$1.5B
Betsy	1965	3	\$1.4B



Tropical Cyclone	Year	Category	Unadjusted Costs
Camille	1969	5	\$1.4B
Elena	1985	3	\$1.3B
Dolly	2008	2	\$1.3B
Fred	2021	TS	\$1.3B
Isidore	2002	TS	\$1.2B
Elsa	2021	TS	\$1.2B
Lili	2002	1	\$1.1B
Hanna	2020	1	\$1.1B
Alberto	1994	TS	\$1.0B
Bonnie	1998	3	\$1.0B
Nicholas	2021	1	\$1.0B
Nicole	2022	1	\$1.0B

*Last Updated: July 11, 2023*

