

# 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, \$190.0B\*) is the costliest storm on record. Hurricane Harvey (2017, \$151.3B\*) ranks second, Hurricane Ian (2022, \$112.9B\*) ranks third, Hurricane Maria (2017, \$108.9B\*) ranks fourth, and Hurricane Sandy (2012, \$83.9B\*) 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://https://www.ncei.noaa.gov/access/billions/>

*\*values based on the 2022 Consumer Price Index adjusted cost*



Costliest tropical cyclones to impact the United States (cost values are based on the 2022 Consumer Price Index adjusted cost)

Tropical Cyclone	Year	Category	Adjusted Costs
Delta	2020	2	\$3.3B
Lee	2011	TS	\$3.3B
Bob	1991	2	\$3.3B
Elena	1985	3	\$3.6B
Isaac	2012	1	\$3.6B
Dennis	2005	3	\$3.8B
Donna	1960	4	\$3.9B
Juan	1985	1	\$4.1B
Marilyn	1995	2	\$4.1B
Zeta	2020	2	\$5.0B
Carol	1954	3	\$5.1B
Isaias	2020	1	\$5.5B
Imelda	2019	TS	\$5.8B
Great Atlantic Hurricane	1944	3	\$5.9B
Iniki	1992	4	\$6.5B
Long Island Express	1938	3	\$6.5B
Frederick	1979	3	\$7.0B
Celia	1970	3	\$7.1B
Gustav	2008	2	\$8.2B
Sally	2020	2	\$8.4B
Isabel	2003	2	\$8.8B
Alicia	1983	3	\$8.9B
Opal	1995	3	\$9.1B
Diane	1955	1	\$9.3B
Fran	1996	3	\$9.5B
Georges	1998	2	\$10.9B
Floyd	1999	2	\$11.5B
Camille	1969	5	\$11.5B
Jeanne	2004	3	\$11.8B
Matthew	2016	1	\$12.3B
Betsy	1965	3	\$13.4B
Allison	2001	TS	\$14.2B
Agnes	1972	1	\$15.0B
Frances	2004	2	\$15.4B
Irene	2011	1	\$17.7B
Hugo	1989	4	\$21.4B
Charley	2004	4	\$25.1B
Laura	2020	4	\$26.7B
Rita	2005	3	\$27.8B
Florence	2018	1	\$28.3B
Wilma	2005	3	\$28.3B
Michael	2018	5	\$29.5B
Ivan	2004	3	\$32.2B
Ike	2008	2	\$40.8B
Andrew	1992	5	\$57.0B
Irma	2017	4	\$60.5B
Ida	2021	4	\$80.2B



Tropical Cyclone	Year	Category	Adjusted Costs
Sandy	2012	1	\$83.9B
Maria	2017	4	\$108.9B
Ian	2022	4	\$112.9B
Harvey	2017	4	\$151.3B
Katrina	2005	3	\$190.0B

*Last Updated: January 10, 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
Alberto	1994	TS	\$1.0B
Nicole	2022	1	\$1.0B
Bonnie	1998	3	\$1.0B
Nicholas	2021	1	\$1.0B
Lili	2002	1	\$1.1B
Hanna	2020	1	\$1.1B
Isidore	2002	TS	\$1.2B
Elsa	2021	TS	\$1.2B
Dolly	2008	2	\$1.3B
Elena	1985	3	\$1.3B
Fred	2021	TS	\$1.3B
Betsy	1965	3	\$1.4B
Camille	1969	5	\$1.4B
Eta	2020	TS	\$1.5B
Bob	1991	2	\$1.5B
Juan	1985	1	\$1.5B
Dorian	2019	1	\$1.6B
Frederick	1979	3	\$1.7B
Marilyn	1995	2	\$2.1B
Agnes	1972	1	\$2.1B
Lee	2011	TS	\$2.5B
Dennis	2005	3	\$2.5B
Fiona	2022	1	\$2.5B
Isaac	2012	1	\$2.8B
Delta	2020	2	\$2.9B
Alicia	1983	3	\$3.0B
Iniki	1992	4	\$3.1B
Zeta	2020	2	\$4.4B
Opal	1995	3	\$4.7B
Isaias	2020	1	\$4.8B
Fran	1996	3	\$5.0B
Imelda	2019	TS	\$5.0B
Isabel	2003	2	\$5.5B
Georges	1998	2	\$6.0B
Gustav	2008	2	\$6.0B
Floyd	1999	2	\$6.5B
Sally	2020	2	\$7.3B
Jeanne	2004	3	\$7.5B
Allison	2001	TS	\$8.5B
Hugo	1989	4	\$9.0B
Frances	2004	2	\$9.8B
Matthew	2016	1	\$10.0B
Irene	2011	1	\$13.5B
Charley	2004	4	\$16.0B
Rita	2005	3	\$18.5B
Wilma	2005	3	\$19.0B
Ivan	2004	3	\$20.5B



Tropical Cyclone	Year	Category	Unadjusted Costs
Laura	2020	4	\$23.2B
Florence	2018	1	\$24.0B
Michael	2018	5	\$25.0B
Andrew	1992	5	\$27.0B
Ike	2008	2	\$30.0B
Irma	2017	4	\$50.0B
Sandy	2012	1	\$65.0B
Ida	2021	4	\$73.6B
Maria	2017	4	\$90.0B
Ian	2022	4	\$111.8B
Harvey	2017	4	\$125.0B
Katrina	2005	3	\$125.0B

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