## 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, \$196.3B*) is the costliest storm on record. Hurricane Harvey (2017, \$156.3B*) ranks second, Hurricane lan (2022, \$116.3B*) ranks third, Hurricane Maria (2017, \$112.5B*) ranks fourth, and Hurricane Sandy (2012, \$86.5B*) 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 2024 Consumer Price Index adjusted cost

Costliest tropical cyclones to impact the United States (cost values are based on the 2024 Consumer Price Index adjusted cost)

| Tropical Cyclone | Year | Category | Adjusted Costs |
| :---: | :---: | :---: | :---: |
| Lee | 2011 | TS | \$3.4B |
| Bob | 1991 | 2 | \$3.4B |
| Delta | 2020 | 2 | \$3.4B |
| Idalia | 2023 | 3 | \$3.5B |
| Elena | 1985 | 3 | \$3.7B |
| Isaac | 2012 | 1 | \$3.7B |
| Dennis | 2005 | 3 | \$3.9B |
| Donna | 1960 | 4 | \$4.0B |
| Marilyn | 1995 | 2 | \$4.2B |
| Juan | 1985 | 1 | \$4.3B |
| Typhoon Mawar | 2023 |  | \$4.3B |
| Zeta | 2020 | 2 | \$5.2B |
| Carol | 1954 | 3 | \$5.3B |
| Isaias | 2020 | 1 | \$5.7B |
| Imelda | 2019 | TS | \$6.0B |
| Great Atlantic Hurricane | 1944 | 3 | \$6.1B |
| Long Island Express | 1938 | 3 | \$6.7B |
| Iniki | 1992 | 4 | \$6.8B |
| Frederic | 1979 | 3 | \$7.3B |
| Celia | 1970 | 3 | \$7.4B |
| Gustav | 2008 | 2 | \$8.5B |
| Sally | 2020 | 2 | \$8.7B |
| Isabel | 2003 | 2 | \$9.2B |
| Alicia | 1983 | 3 | \$9.2B |
| Opal | 1995 | 3 | \$9.4B |
| Diane | 1955 | 1 | \$9.6B |
| Fran | 1996 | 3 | \$9.8B |
| Georges | 1998 | 2 | \$11.3B |
| Floyd | 1999 | 2 | \$11.9B |
| Camille | 1969 | 5 | \$12.0B |
| Jeanne | 2004 | 3 | \$12.1B |
| Matthew | 2016 | 1 | \$12.8B |
| Betsy | 1965 | 3 | \$13.9B |
| Allison | 2001 | TS | \$14.7B |
| Agnes | 1972 | 1 | \$15.5B |
| Frances | 2004 | 2 | \$15.9B |
| Irene | 2011 | 1 | \$18.4B |
| Hugo | 1989 | 4 | \$22.2B |
| Charley | 2004 | 4 | \$26.1B |
| Laura | 2020 | 4 | \$27.6B |
| Rita | 2005 | 3 | \$28.7B |
| Florence | 2018 | 1 | \$29.3B |
| Wilma | 2005 | 3 | \$29.5B |
| Michael | 2018 | 5 | \$30.5B |
| Ivan | 2004 | 3 | \$33.2B |
| Ike | 2008 | 2 | \$42.3B |
| Andrew | 1992 | 5 | \$59.1B |

https://www.ncei.noaa.gov/access/billions/dcmi.pdf

|  | Tropical Cyclone | Year | Category |
| :--- | :---: | :---: | :---: |
| Irma | 2017 | 4 | Adjusted Costs |
| Ida | 2021 | 4 | $\$ 62.5 \mathrm{~B}$ |
| Sandy | 2012 | 1 | $\$ 83.1 \mathrm{~B}$ |
| Maria | 2017 | 4 | $\$ 86.5 \mathrm{~B}$ |
| lan | 2022 | 4 | $\$ 112.5 \mathrm{~B}$ |
| Harvey | 2017 | 4 | $\$ 116.3 \mathrm{~B}$ |
| Katrina | 2005 | 3 | $\$ 156.3 B$ |

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 |
| Fred | 2021 | TS | \$1.3B |
| Elena | 1985 | 3 | \$1.3B |
| Dolly | 2008 | 2 | \$1.3B |
| Betsy | 1965 | 3 | \$1.4B |
| Camille | 1969 | 5 | \$1.4B |
| Bob | 1991 | 2 | \$1.5B |
| Eta | 2020 | TS | \$1.5B |
| Juan | 1985 | 1 | \$1.5B |
| Dorian | 2019 | 1 | \$1.6B |
| Frederic | 1979 | 3 | \$1.7B |
| Agnes | 1972 | 1 | \$2.1B |
| Marilyn | 1995 | 2 | \$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 |
| Idalia | 2023 | 3 | \$3.5B |
| Typhoon Mawar | 2023 |  | \$4.3B |
| Zeta | 2020 | 2 | \$4.4B |
| Opal | 1995 | 3 | \$4.7B |
| Isaias | 2020 | 1 | \$4.8B |
| Imelda | 2019 | TS | \$5.0B |
| Fran | 1996 | 3 | \$5.0B |
| Isabel | 2003 | 2 | \$5.5B |
| Gustav | 2008 | 2 | \$6.0B |
| Georges | 1998 | 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 |

https://www.ncei.noaa.gov/access/billions/dcmi.pdf

| Tropical Cyclone | Year | Category | Unadjusted Costs |
| :---: | :---: | :---: | :---: |
| Wilma | 2005 | 3 | \$19.0B |
| Ivan | 2004 | 3 | \$20.5B |
| 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 |

