

August 2025 Connecticut Precipitation

National Weather Service Offices
Boston/Norton MA, Albany NY, Upton NY

Preliminary Precipitation Data (inches) by County

Precipitation Data through August 2025

Includes CoCoRaHS data

Includes StageIV Data

CT 1-Month Aug 2025

County	Rainfall	Departure	Percent	Normal
Fairfield	2.69	-1.78	60	4.47
Hartford	3.88	-0.38	91	4.26
Litchfield	4.32	-0.46	90	4.78
Middlesex	2.66	-1.63	62	4.29
New Haven	2.14	-2.08	51	4.22
New London	2.90	-1.27	70	4.17
Tolland	4.21	-0.10	98	4.31
Windham	3.13	-1.09	74	4.22

CT 2-Month Jul 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	6.33	-2.42	72	8.75
Hartford	8.07	-0.41	95	8.48
Litchfield	8.45	-0.97	90	9.42
Middlesex	5.29	-2.85	65	8.14
New Haven	5.30	-2.91	65	8.21
New London	5.72	-2.02	74	7.74
Tolland	8.95	0.60	107	8.35
Windham	7.84	-0.30	96	8.14

CT 3-Month Jun 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	9.10	-4.16	69	13.26
Hartford	10.38	-2.55	80	12.93
Litchfield	11.59	-2.51	82	14.10
Middlesex	7.03	-5.48	56	12.51
New Haven	7.25	-5.33	58	12.58
New London	7.55	-4.28	64	11.83
Tolland	11.37	-1.57	88	12.94
Windham	10.06	-2.42	81	12.48

CT 4-Month May 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	15.69	-1.56	91	17.25
Hartford	18.42	1.68	110	16.74
Litchfield	19.11	0.98	105	18.13
Middlesex	15.22	-1.11	93	16.33
New Haven	15.18	-1.38	92	16.56
New London	15.77	0.27	102	15.50
Tolland	18.92	2.32	114	16.60
Windham	18.79	2.76	117	16.03

CT 5-Month Apr 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	18.88	-2.67	88	21.55
Hartford	22.01	0.98	105	21.03
Litchfield	22.88	0.79	104	22.09
Middlesex	18.48	-2.53	88	21.01
New Haven	18.28	-2.95	86	21.23
New London	19.38	-0.65	97	20.03
Tolland	22.81	1.97	109	20.84
Windham	22.81	2.32	111	20.49

CT 6-Month Mar 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	23.01	-2.83	89	25.84
Hartford	25.96	0.73	103	25.23
Litchfield	26.41	0.27	101	26.14
Middlesex	22.65	-2.99	88	25.64
New Haven	22.58	-3.19	88	25.77
New London	23.85	-0.96	96	24.81
Tolland	26.73	1.66	107	25.07
Windham	26.77	1.75	107	25.02

CT 7-Month Feb 25-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	26.21	-2.76	90	28.97
Hartford	29.21	0.85	103	28.36
Litchfield	29.46	0.34	101	29.12
Middlesex	25.78	-3.26	89	29.04
New Haven	25.72	-3.42	88	29.14
New London	27.14	-0.98	97	28.12
Tolland	29.90	1.80	106	28.10

Windham	30.06	1.81	106	28.25
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CT 12-Month Sep 24-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	37.19	-13.34	74	50.53
Hartford	38.27	-11.97	76	50.24
Litchfield	39.80	-11.04	78	50.84
Middlesex	38.07	-13.42	74	51.49
New Haven	36.89	-14.40	72	51.29
New London	40.15	-9.94	80	50.09
Tolland	40.22	-8.99	82	49.21
Windham	42.06	-7.75	84	49.81

CT 24-Month Sep 23-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	112.17	11.00	111	101.17
Hartford	109.22	8.62	109	100.60
Litchfield	109.04	7.26	107	101.78
Middlesex	110.37	7.27	107	103.10
New Haven	111.14	8.44	108	102.70
New London	110.11	9.81	110	100.30
Tolland	108.32	9.79	110	98.53
Windham	113.40	13.66	114	99.74

CT 36-Month Sep 22-Aug25

County	Rainfall	Departure	Percent	Normal
Fairfield	166.75	15.05	110	151.70
Hartford	166.56	15.72	110	150.84
Litchfield	166.44	13.82	109	152.62
Middlesex	167.63	13.04	108	154.59
New Haven	168.00	14.01	109	153.99
New London	167.03	16.64	111	150.39
Tolland	168.52	20.78	114	147.74
Windham	175.90	26.35	118	149.55

How This Report Was Generated

Monthly precipitation totals by County are derived through a blend of observational data and gridded analysis techniques. Precipitation observations from multiple regional networks—including the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS), the National Weather Service Cooperative Observer Program (COOP), and Automated Surface Observing Systems (ASOS)—are first quality-controlled and then interpolated to two separate grids using distinct methodologies:

- Barnes Interpolation, a smoothing technique that accounts for the spatial distribution of observations
- Inverse Distance Weighting (IDW), which estimates values based on proximity to known observations

These two interpolated grids are then combined with NOAA's Stage IV precipitation analysis, a radar- and gauge-based dataset produced operationally by the National Weather Service. The three grids are averaged to produce a final observed precipitation field.

Using this gridded product, spatial averaging is performed over each County polygon to compute region-specific monthly totals through geographic information system (GIS) techniques.

Monthly precipitation normals (long-term averages) for each County are sourced directly from the NOAA Stage IV climatology dataset.

Note: COOP and ASOS stations are official National Weather Service observation networks. CoCoRaHS is a volunteer-driven network that provides high-resolution, local-scale precipitation reports.