

October 2025 Connecticut Precipitation

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

Preliminary Precipitation Data (inches) by County

Precipitation Data through October 2025

Includes CoCoRaHS data

Includes StageIV Data

CT 1-Month Oct 2025

County	Rainfall	Departure	Percent	Normal
Fairfield	5.42	0.68	114	4.74
Hartford	5.16	0.04	101	5.12
Litchfield	4.92	-0.12	98	5.04
Middlesex	6.17	1.29	126	4.88
New Haven	6.17	1.19	124	4.98
New London	6.04	1.32	128	4.72
Tolland	5.15	0.38	108	4.77
Windham	5.88	1.12	124	4.76

CT 2-Month Sep 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	8.38	-0.96	90	9.34
Hartford	8.79	-0.84	91	9.63
Litchfield	8.13	-1.60	84	9.73
Middlesex	8.96	-0.54	94	9.50
New Haven	9.02	-0.47	95	9.49
New London	9.45	0.28	103	9.17
Tolland	8.89	-0.24	97	9.13
Windham	9.80	0.86	110	8.94

CT 3-Month Aug 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	11.07	-2.74	80	13.81
Hartford	12.67	-1.22	91	13.89
Litchfield	12.45	-2.06	86	14.51
Middlesex	11.67	-2.12	85	13.79
New Haven	11.17	-2.54	81	13.71
New London	12.35	-0.99	93	13.34
Tolland	13.10	-0.34	97	13.44
Windham	12.93	-0.23	98	13.16

CT 4-Month Jul 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	14.71	-3.38	81	18.09
Hartford	16.86	-1.25	93	18.11
Litchfield	16.58	-2.57	87	19.15
Middlesex	14.30	-3.34	81	17.64
New Haven	14.33	-3.37	81	17.70
New London	15.17	-1.74	90	16.91
Tolland	17.84	0.36	102	17.48
Windham	17.64	0.56	103	17.08

CT 5-Month Jun 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	17.48	-5.12	77	22.60
Hartford	19.17	-3.39	85	22.56
Litchfield	19.72	-4.11	83	23.83
Middlesex	16.04	-5.97	73	22.01
New Haven	16.28	-5.79	74	22.07
New London	17.00	-4.00	81	21.00
Tolland	20.26	-1.81	92	22.07
Windham	19.86	-1.56	93	21.42

CT 6-Month May 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	24.07	-2.52	91	26.59
Hartford	27.21	0.84	103	26.37
Litchfield	27.24	-0.62	98	27.86
Middlesex	24.23	-1.60	94	25.83
New Haven	24.21	-1.84	93	26.05
New London	25.22	0.55	102	24.67
Tolland	27.81	2.08	108	25.73
Windham	28.59	3.62	114	24.97

CT 7-Month Apr 25-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	27.26	-3.63	88	30.89
Hartford	30.80	0.14	100	30.66
Litchfield	31.01	-0.81	97	31.82
Middlesex	27.49	-3.02	90	30.51
New Haven	27.31	-3.41	89	30.72
New London	28.83	-0.37	99	29.20

Tolland	31.70	1.73	106	29.97
Windham	32.61	3.18	111	29.43

CT 12-Month Nov 24-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	44.26	-6.27	88	50.53
Hartford	45.97	-4.27	92	50.24
Litchfield	46.41	-4.43	91	50.84
Middlesex	44.63	-6.86	87	51.49
New Haven	44.21	-7.08	86	51.29
New London	47.13	-2.96	94	50.09
Tolland	47.62	-1.59	97	49.21
Windham	49.70	-0.11	100	49.81

CT 24-Month Nov 23-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	104.89	3.72	104	101.17
Hartford	101.81	1.21	101	100.60
Litchfield	101.54	-0.24	100	101.78
Middlesex	105.48	2.38	102	103.10
New Haven	105.96	3.26	103	102.70
New London	107.07	6.77	107	100.30
Tolland	103.15	4.62	105	98.53
Windham	109.74	10.00	110	99.74

CT 36-Month Nov 22-Oct25

County	Rainfall	Departure	Percent	Normal
Fairfield	163.67	11.97	108	151.70
Hartford	164.94	14.10	109	150.84
Litchfield	163.42	10.80	107	152.62
Middlesex	163.50	8.91	106	154.59
New Haven	165.36	11.37	107	153.99
New London	163.71	13.32	109	150.39
Tolland	166.62	18.88	113	147.74
Windham	173.18	23.63	116	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.