

# September 2025 Connecticut Precipitation

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

Preliminary Precipitation Data (inches) by County

Precipitation Data through September 2025

Includes CoCoRaHS data

Includes StageIV Data

## CT 1-Month Sep 2025

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 2.96     | -1.64     | 64      | 4.60   |
| Hartford   | 3.63     | -0.88     | 80      | 4.51   |
| Litchfield | 3.21     | -1.48     | 68      | 4.69   |
| Middlesex  | 2.79     | -1.83     | 60      | 4.62   |
| New Haven  | 2.85     | -1.66     | 63      | 4.51   |
| New London | 3.41     | -1.04     | 77      | 4.45   |
| Tolland    | 3.74     | -0.62     | 86      | 4.36   |
| Windham    | 3.92     | -0.26     | 94      | 4.18   |

## CT 2-Month Aug 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 5.65     | -3.42     | 62      | 9.07   |
| Hartford   | 7.51     | -1.26     | 86      | 8.77   |
| Litchfield | 7.53     | -1.94     | 80      | 9.47   |
| Middlesex  | 5.50     | -3.41     | 62      | 8.91   |
| New Haven  | 5.00     | -3.73     | 57      | 8.73   |
| New London | 6.31     | -2.31     | 73      | 8.62   |
| Tolland    | 7.95     | -0.72     | 92      | 8.67   |
| Windham    | 7.05     | -1.35     | 84      | 8.40   |

## CT 3-Month Jul 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 9.29     | -4.06     | 70      | 13.35  |
| Hartford   | 11.70    | -1.29     | 90      | 12.99  |
| Litchfield | 11.66    | -2.45     | 83      | 14.11  |
| Middlesex  | 8.13     | -4.63     | 64      | 12.76  |
| New Haven  | 8.16     | -4.56     | 64      | 12.72  |
| New London | 9.13     | -3.06     | 75      | 12.19  |

|         |       |       |     |       |
|---------|-------|-------|-----|-------|
| Tolland | 12.69 | -0.02 | 100 | 12.71 |
| Windham | 11.76 | -0.56 | 95  | 12.32 |

#### CT 4-Month Jun 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 12.06    | -5.80     | 68      | 17.86  |
| Hartford   | 14.01    | -3.43     | 80      | 17.44  |
| Litchfield | 14.80    | -3.99     | 79      | 18.79  |
| Middlesex  | 9.87     | -7.26     | 58      | 17.13  |
| New Haven  | 10.11    | -6.98     | 59      | 17.09  |
| New London | 10.96    | -5.32     | 67      | 16.28  |
| Tolland    | 15.11    | -2.19     | 87      | 17.30  |
| Windham    | 13.98    | -2.68     | 84      | 16.66  |

#### CT 5-Month May 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 18.65    | -3.20     | 85      | 21.85  |
| Hartford   | 22.05    | 0.80      | 104     | 21.25  |
| Litchfield | 22.32    | -0.50     | 98      | 22.82  |
| Middlesex  | 18.06    | -2.89     | 86      | 20.95  |
| New Haven  | 18.04    | -3.03     | 86      | 21.07  |
| New London | 19.18    | -0.77     | 96      | 19.95  |
| Tolland    | 22.66    | 1.70      | 108     | 20.96  |
| Windham    | 22.71    | 2.50      | 112     | 20.21  |

#### CT 6-Month Apr 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 21.84    | -4.31     | 84      | 26.15  |
| Hartford   | 25.64    | 0.10      | 100     | 25.54  |
| Litchfield | 26.09    | -0.69     | 97      | 26.78  |
| Middlesex  | 21.32    | -4.31     | 83      | 25.63  |
| New Haven  | 21.14    | -4.60     | 82      | 25.74  |
| New London | 22.79    | -1.69     | 93      | 24.48  |
| Tolland    | 26.55    | 1.35      | 105     | 25.20  |
| Windham    | 26.73    | 2.06      | 108     | 24.67  |

#### CT 7-Month Mar 25-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 25.97    | -4.47     | 85      | 30.44  |
| Hartford   | 29.59    | -0.15     | 99      | 29.74  |
| Litchfield | 29.62    | -1.21     | 96      | 30.83  |
| Middlesex  | 25.49    | -4.77     | 84      | 30.26  |
| New Haven  | 25.44    | -4.84     | 84      | 30.28  |

|            |       |       |     |       |
|------------|-------|-------|-----|-------|
| New London | 27.26 | -2.00 | 93  | 29.26 |
| Tolland    | 30.47 | 1.04  | 104 | 29.43 |
| Windham    | 30.69 | 1.49  | 105 | 29.20 |

### CT 12-Month Oct 24-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 39.11    | -11.42    | 77      | 50.53  |
| Hartford   | 41.17    | -9.07     | 82      | 50.24  |
| Litchfield | 41.98    | -8.86     | 83      | 50.84  |
| Middlesex  | 39.43    | -12.06    | 77      | 51.49  |
| New Haven  | 38.56    | -12.73    | 75      | 51.29  |
| New London | 42.11    | -7.98     | 84      | 50.09  |
| Tolland    | 42.94    | -6.27     | 87      | 49.21  |
| Windham    | 44.41    | -5.40     | 89      | 49.81  |

### CT 24-Month Oct 23-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 103.67   | 2.50      | 102     | 101.17 |
| Hartford   | 100.26   | -0.34     | 100     | 100.60 |
| Litchfield | 100.99   | -0.79     | 99      | 101.78 |
| Middlesex  | 103.43   | 0.33      | 100     | 103.10 |
| New Haven  | 103.88   | 1.18      | 101     | 102.70 |
| New London | 104.85   | 4.55      | 105     | 100.30 |
| Tolland    | 101.31   | 2.78      | 103     | 98.53  |
| Windham    | 107.18   | 7.44      | 107     | 99.74  |

### CT 36-Month Oct 22-Sep25

| County     | Rainfall | Departure | Percent | Normal |
|------------|----------|-----------|---------|--------|
| Fairfield  | 163.26   | 11.56     | 108     | 151.70 |
| Hartford   | 164.07   | 13.23     | 109     | 150.84 |
| Litchfield | 163.22   | 10.60     | 107     | 152.62 |
| Middlesex  | 162.68   | 8.09      | 105     | 154.59 |
| New Haven  | 163.72   | 9.73      | 106     | 153.99 |
| New London | 162.42   | 12.03     | 108     | 150.39 |
| Tolland    | 166.21   | 18.47     | 113     | 147.74 |
| Windham    | 172.19   | 22.64     | 115     | 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.