

Met Eireann  
Return Period Rainfall Depths for sliding Durations  
Irish Grid: Easting: 312821, Northing: 228559,

| DURATION | Interval |        | Years  |        |        |        |        |        |        |        |        |        |        |        |        |        |
|----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          | 6months, | 1year, | 2,     | 3,     | 4,     | 5,     | 10,    | 20,    | 30,    | 50,    | 75,    | 100,   | 150,   | 200,   | 250,   | 500,   |
| 5 mins   | 2.6,     | 3.8,   | 4.5,   | 5.6,   | 6.3,   | 6.9,   | 8.8,   | 11.0,  | 12.5,  | 14.6,  | 16.6,  | 18.1,  | 20.5,  | 22.3,  | 23.9,  | N/A    |
| 10 mins  | 3.6,     | 5.3,   | 6.3,   | 7.8,   | 8.8,   | 9.6,   | 12.2,  | 15.3,  | 17.4,  | 20.4,  | 23.1,  | 25.2,  | 28.5,  | 31.1,  | 33.3,  | N/A    |
| 15 mins  | 4.3,     | 6.3,   | 7.4,   | 9.1,   | 10.3,  | 11.2,  | 14.4,  | 18.0,  | 20.5,  | 24.0,  | 27.2,  | 29.6,  | 33.5,  | 36.6,  | 39.2,  | N/A    |
| 30 mins  | 5.6,     | 8.2,   | 9.6,   | 11.7,  | 13.2,  | 14.4,  | 18.2,  | 22.6,  | 25.6,  | 29.9,  | 33.7,  | 36.7,  | 41.3,  | 44.9,  | 48.0,  | N/A    |
| 1 hours  | 7.4,     | 10.7,  | 12.4,  | 15.1,  | 16.9,  | 18.4,  | 23.1,  | 28.5,  | 32.1,  | 37.2,  | 41.8,  | 45.3,  | 50.8,  | 55.2,  | 58.7,  | N/A    |
| 2 hours  | 9.8,     | 13.9,  | 16.1,  | 19.5,  | 21.7,  | 23.5,  | 29.3,  | 35.8,  | 40.2,  | 46.3,  | 51.8,  | 56.0,  | 62.6,  | 67.7,  | 71.9,  | N/A    |
| 3 hours  | 11.6,    | 16.3,  | 18.8,  | 22.6,  | 25.1,  | 27.1,  | 33.6,  | 41.0,  | 45.8,  | 52.7,  | 58.7,  | 63.4,  | 70.7,  | 76.3,  | 81.0,  | N/A    |
| 4 hours  | 13.0,    | 18.2,  | 20.9,  | 25.1,  | 27.9,  | 30.0,  | 37.1,  | 45.1,  | 50.3,  | 57.7,  | 64.2,  | 69.3,  | 77.1,  | 83.1,  | 88.1,  | N/A    |
| 6 hours  | 15.3,    | 21.2,  | 24.4,  | 29.1,  | 32.2,  | 34.7,  | 42.6,  | 51.5,  | 57.4,  | 65.6,  | 72.8,  | 78.4,  | 87.0,  | 93.7,  | 99.2,  | N/A    |
| 9 hours  | 18.0,    | 24.8,  | 28.4,  | 33.7,  | 37.3,  | 40.0,  | 48.9,  | 58.9,  | 65.5,  | 74.6,  | 82.6,  | 88.8,  | 98.3,  | 105.6, | 111.6, | N/A    |
| 12 hours | 20.2,    | 27.7,  | 31.6,  | 37.4,  | 41.3,  | 44.3,  | 54.0,  | 64.8,  | 71.9,  | 81.7,  | 90.3,  | 97.0,  | 107.1, | 115.0, | 121.4, | N/A    |
| 18 hours | 23.8,    | 32.3,  | 36.8,  | 43.4,  | 47.8,  | 51.2,  | 62.0,  | 74.1,  | 82.0,  | 92.9,  | 102.4, | 109.8, | 121.0, | 129.6, | 136.7, | N/A    |
| 24 hours | 26.7,    | 36.1,  | 41.0,  | 48.2,  | 53.0,  | 56.6,  | 68.5,  | 81.5,  | 90.0,  | 101.7, | 112.0, | 119.9, | 131.9, | 141.1, | 148.7, | 174.9, |
| 2 days   | 33.3,    | 44.0,  | 49.5,  | 57.5,  | 62.8,  | 66.9,  | 79.7,  | 93.7,  | 102.7, | 115.1, | 125.8, | 134.0, | 146.4, | 155.9, | 163.6, | 190.2, |
| 3 days   | 38.6,    | 50.4,  | 56.4,  | 65.1,  | 70.8,  | 75.1,  | 88.8,  | 103.7, | 113.1, | 126.1, | 137.3, | 145.8, | 158.7, | 168.4, | 176.4, | 203.7, |
| 4 days   | 43.3,    | 56.0,  | 62.4,  | 71.7,  | 77.7,  | 82.3,  | 96.8,  | 112.3, | 122.2, | 135.7, | 147.4, | 156.2, | 169.5, | 179.5, | 187.8, | 215.7, |
| 6 days   | 51.4,    | 65.7,  | 72.8,  | 83.1,  | 89.7,  | 94.7,  | 110.5, | 127.3, | 138.0, | 152.4, | 164.8, | 174.2, | 188.2, | 198.8, | 207.5, | 236.7, |
| 8 days   | 58.7,    | 74.2,  | 82.0,  | 93.1,  | 100.2, | 105.6, | 122.5, | 140.4, | 151.7, | 166.9, | 180.0, | 189.8, | 204.5, | 215.6, | 224.6, | 255.0, |
| 10 days  | 65.3,    | 82.0,  | 90.3,  | 102.1, | 109.7, | 115.5, | 133.3, | 152.2, | 164.0, | 180.0, | 193.7, | 203.9, | 219.2, | 230.8, | 240.1, | 271.6, |
| 12 days  | 71.5,    | 89.3,  | 98.1,  | 110.6, | 118.6, | 124.6, | 143.3, | 163.1, | 175.5, | 192.1, | 206.3, | 216.9, | 232.8, | 244.7, | 254.4, | 286.8, |
| 16 days  | 82.9,    | 102.6, | 112.3, | 126.0, | 134.8, | 141.3, | 161.7, | 183.0, | 196.3, | 214.1, | 229.2, | 240.5, | 257.4, | 270.0, | 280.2, | 314.4, |
| 20 days  | 93.5,    | 115.0, | 125.4, | 140.2, | 149.6, | 156.6, | 178.4, | 201.1, | 215.1, | 234.0, | 250.0, | 261.9, | 279.6, | 292.9, | 303.6, | 339.4, |
| 25 days  | 105.9,   | 129.3, | 140.7, | 156.6, | 166.7, | 174.3, | 197.6, | 221.9, | 236.9, | 256.9, | 273.8, | 286.4, | 305.1, | 319.1, | 330.4, | 367.9, |

NOTES:

N/A Data not available

These values are derived from a Depth Duration Frequency (DDF) Model

For details refer to:

'Fitzgerald D. L. (2007), Estimates of Point Rainfall Frequencies, Technical Note No. 61, Met Eireann, Dublin',

Available for download at [www.met.ie/climate/dataproducts/Estimation-of-Point-Rainfall-Frequencies\\_TN61.pdf](http://www.met.ie/climate/dataproducts/Estimation-of-Point-Rainfall-Frequencies_TN61.pdf)