

Met Eireann
Return Period Rainfall Depths for sliding Durations
Irish Grid: Easting: 312646, Northing: 227437,

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,	8.7,	10.9,	12.4,	14.5,	16.4,	17.9,	20.2,	22.1,	23.6,	N/A,
10 mins	3.6,	5.4,	6.3,	7.8,	8.8,	9.6,	12.2,	15.2,	17.3,	20.2,	22.9,	25.0,	28.2,	30.8,	32.9,	N/A,
15 mins	4.3,	6.3,	7.4,	9.1,	10.3,	11.2,	14.3,	17.9,	20.3,	23.8,	26.9,	29.4,	33.2,	36.2,	38.7,	N/A,
30 mins	5.7,	8.3,	9.7,	11.8,	13.3,	14.5,	18.3,	22.8,	25.8,	30.0,	33.9,	36.8,	41.5,	45.1,	48.2,	N/A,
1 hours	7.5,	10.8,	12.6,	15.4,	17.2,	18.7,	23.5,	29.0,	32.7,	37.9,	42.6,	46.3,	51.9,	56.3,	60.0,	N/A,
2 hours	10.0,	14.2,	16.5,	19.9,	22.3,	24.1,	30.1,	36.9,	41.5,	47.9,	53.6,	58.1,	65.0,	70.3,	74.8,	N/A,
3 hours	11.8,	16.6,	19.3,	23.2,	25.9,	28.0,	34.8,	42.5,	47.7,	54.9,	61.3,	66.3,	74.1,	80.1,	85.0,	N/A,
4 hours	13.2,	18.6,	21.5,	25.9,	28.8,	31.1,	38.6,	47.0,	52.6,	60.5,	67.5,	72.9,	81.3,	87.8,	93.2,	N/A,
6 hours	15.6,	21.8,	25.1,	30.1,	33.5,	36.1,	44.6,	54.2,	60.5,	69.4,	77.2,	83.3,	92.7,	100.0,	106.0,	N/A,
9 hours	18.4,	25.6,	29.4,	35.1,	38.9,	41.9,	51.5,	62.4,	69.5,	79.5,	88.4,	95.2,	105.7,	113.8,	120.6,	N/A,
12 hours	20.7,	28.6,	32.8,	39.1,	43.3,	46.6,	57.1,	69.0,	76.8,	87.6,	97.3,	104.7,	116.0,	124.8,	132.1,	N/A,
18 hours	24.4,	33.5,	38.3,	45.5,	50.3,	54.0,	66.1,	79.5,	88.3,	100.5,	111.3,	119.6,	132.4,	142.2,	150.3,	N/A,
24 hours	27.4,	37.5,	42.8,	50.7,	56.0,	60.1,	73.2,	87.9,	97.4,	110.8,	122.5,	131.5,	145.3,	155.9,	164.7,	195.2,
2 days	34.3,	45.9,	51.9,	60.7,	66.6,	71.0,	85.3,	101.0,	111.1,	125.1,	137.3,	146.6,	160.7,	171.6,	180.5,	211.2,
3 days	40.0,	52.7,	59.3,	68.8,	75.1,	79.9,	95.1,	111.7,	122.3,	136.9,	149.6,	159.2,	173.9,	185.0,	194.2,	225.5,
4 days	44.9,	58.7,	65.7,	75.8,	82.5,	87.6,	103.6,	121.0,	132.1,	147.2,	160.4,	170.4,	185.4,	196.9,	206.3,	238.2,
6 days	53.6,	69.0,	76.8,	88.0,	95.3,	100.9,	118.3,	137.1,	149.0,	165.1,	179.1,	189.6,	205.5,	217.6,	227.4,	260.7,
8 days	61.2,	78.1,	86.6,	98.7,	106.6,	112.5,	131.2,	151.1,	163.7,	180.7,	195.4,	206.4,	223.0,	235.6,	245.7,	280.3,
10 days	68.3,	86.4,	95.5,	108.4,	116.8,	123.1,	142.8,	163.8,	176.9,	194.8,	210.1,	221.6,	238.8,	251.8,	262.3,	297.9,
12 days	74.9,	94.2,	103.8,	117.4,	126.2,	132.9,	153.6,	175.4,	189.2,	207.7,	223.6,	235.5,	253.3,	266.7,	277.6,	314.2,
16 days	87.1,	108.5,	119.0,	134.0,	143.6,	150.8,	173.2,	196.8,	211.5,	231.3,	248.2,	260.8,	279.7,	293.8,	305.3,	343.7,
20 days	98.4,	121.6,	133.1,	149.2,	159.5,	167.2,	191.1,	216.2,	231.7,	252.7,	270.4,	283.7,	303.5,	318.3,	330.3,	370.4,
25 days	111.6,	137.0,	149.4,	166.8,	177.9,	186.2,	211.8,	238.5,	255.0,	277.2,	296.0,	310.0,	330.8,	346.3,	358.9,	400.8,

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