

Sample Table Met Eireann  
Return Period Rainfall Depths for sliding Durations

DURATION	Interval		Years													
	6months,	1year,	2,	3,	4,	5,	10,	20,	30,	50,	75,	100,	150,	200,	250,	500,
5 mins	2.3,	3.3,	3.8,	4.7,	5.2,	5.7,	7.2,	8.9,	10.0,	11.7,	13.1,	14.3,	16.1,	17.5,	18.6,	N/A ,
10 mins	3.1,	4.6,	5.3,	6.5,	7.3,	7.9,	10.0,	12.4,	14.0,	16.3,	18.3,	19.9,	22.4,	24.3,	25.9,	N/A ,
15 mins	3.7,	5.4,	6.3,	7.6,	8.6,	9.3,	11.8,	14.6,	16.5,	19.1,	21.6,	23.4,	26.3,	28.6,	30.5,	N/A ,
30 mins	4.8,	6.8,	7.9,	9.5,	10.6,	11.4,	14.1,	17.3,	19.3,	22.2,	24.8,	26.8,	29.8,	32.2,	34.2,	N/A ,
1 hours	6.3,	8.7,	9.9,	11.7,	13.0,	13.9,	17.0,	20.4,	22.6,	25.7,	28.5,	30.6,	33.8,	36.3,	38.3,	N/A ,
2 hours	8.3,	11.0,	12.5,	14.5,	15.9,	17.0,	20.4,	24.1,	26.5,	29.8,	32.7,	34.9,	38.3,	40.9,	43.0,	N/A ,
3 hours	9.6,	12.7,	14.2,	16.5,	18.0,	19.1,	22.7,	26.6,	29.1,	32.5,	35.5,	37.8,	41.2,	43.8,	45.9,	N/A ,
4 hours	10.8,	14.0,	15.6,	18.0,	19.6,	20.8,	24.5,	28.5,	31.1,	34.6,	37.6,	39.9,	43.4,	46.0,	48.2,	N/A ,
6 hours	12.6,	16.1,	17.9,	20.4,	22.1,	23.3,	27.3,	31.4,	34.1,	37.7,	40.8,	43.1,	46.7,	49.3,	51.5,	N/A ,
9 hours	14.7,	18.5,	20.5,	23.2,	24.9,	26.2,	30.3,	34.7,	37.4,	41.1,	44.3,	46.6,	50.2,	52.9,	55.0,	N/A ,
12 hours	16.4,	20.5,	22.5,	25.3,	27.1,	28.5,	32.7,	37.2,	40.0,	43.7,	46.9,	49.3,	52.9,	55.5,	57.7,	N/A ,
18 hours	19.2,	23.6,	25.7,	28.7,	30.6,	32.0,	36.4,	41.0,	43.9,	47.7,	50.9,	53.3,	56.9,	59.5,	61.7,	N/A ,
24 hours	21.5,	26.1,	28.3,	31.4,	33.3,	34.8,	39.3,	44.0,	46.8,	50.7,	53.9,	56.3,	59.9,	62.5,	64.7,	71.8,
2 days	27.8,	33.1,	35.7,	39.2,	41.4,	43.1,	48.1,	53.2,	56.4,	60.6,	64.1,	66.6,	70.5,	73.3,	75.6,	83.1,
3 days	33.3,	39.3,	42.1,	46.1,	48.5,	50.3,	55.8,	61.4,	64.9,	69.4,	73.1,	75.9,	80.0,	83.0,	85.4,	93.4,
4 days	38.5,	45.0,	48.1,	52.4,	55.1,	57.0,	63.0,	69.0,	72.7,	77.5,	81.5,	84.4,	88.8,	91.9,	94.5,	102.9,
6 days	48.0,	55.6,	59.2,	64.1,	67.1,	69.4,	76.1,	82.9,	87.0,	92.3,	96.8,	100.1,	104.8,	108.4,	111.2,	120.4,
8 days	57.0,	65.6,	69.6,	75.0,	78.4,	80.9,	88.3,	95.7,	100.2,	106.1,	110.9,	114.5,	119.7,	123.5,	126.5,	136.4,
10 days	65.7,	75.1,	79.5,	85.4,	89.1,	91.8,	99.9,	107.9,	112.8,	119.1,	124.3,	128.2,	133.7,	137.8,	141.0,	151.6,
12 days	74.1,	84.3,	89.1,	95.5,	99.5,	102.4,	111.0,	119.7,	124.9,	131.6,	137.2,	141.2,	147.2,	151.5,	154.9,	166.1,
16 days	90.5,	102.3,	107.7,	115.0,	119.5,	122.8,	132.5,	142.2,	148.0,	155.6,	161.8,	166.3,	172.8,	177.6,	181.4,	193.7,
20 days	106.6,	119.7,	125.7,	133.8,	138.8,	142.5,	153.3,	163.9,	170.3,	178.5,	185.3,	190.2,	197.4,	202.6,	206.7,	220.1,
25 days	126.4,	141.1,	147.9,	156.9,	162.5,	166.5,	178.5,	190.3,	197.3,	206.4,	213.8,	219.2,	227.0,	232.7,	237.2,	251.7,

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)