

Met Eireann
Return Period Rainfall Depths for sliding Durations
Irish Grid: Easting: 187764, Northing: 323965,

DURATION	Interval		Years													
	6months,	1year,	2,	3,	4,	5,	10,	20,	30,	50,	75,	100,	150,	200,	250,	500,
5 mins	3.1,	4.4,	5.0,	6.0,	6.6,	7.1,	8.7,	10.5,	11.7,	13.4,	14.9,	16.0,	17.7,	19.1,	20.2,	N/A ,
10 mins	4.4,	6.1,	7.0,	8.3,	9.2,	9.9,	12.2,	14.7,	16.3,	18.7,	20.7,	22.3,	24.7,	26.6,	28.2,	N/A ,
15 mins	5.2,	7.1,	8.2,	9.8,	10.8,	11.6,	14.3,	17.3,	19.2,	22.0,	24.4,	26.2,	29.1,	31.3,	33.1,	N/A ,
30 mins	6.9,	9.3,	10.6,	12.5,	13.8,	14.8,	17.9,	21.4,	23.6,	26.8,	29.5,	31.6,	34.8,	37.3,	39.3,	N/A ,
1 hours	9.2,	12.2,	13.8,	16.1,	17.6,	18.7,	22.4,	26.4,	29.0,	32.6,	35.7,	38.1,	41.7,	44.5,	46.7,	N/A ,
2 hours	12.3,	16.0,	17.9,	20.6,	22.4,	23.8,	28.1,	32.7,	35.7,	39.8,	43.3,	45.9,	49.9,	53.0,	55.5,	N/A ,
3 hours	14.5,	18.7,	20.8,	23.8,	25.8,	27.3,	32.0,	37.1,	40.3,	44.6,	48.4,	51.2,	55.5,	58.7,	61.4,	N/A ,
4 hours	16.4,	20.9,	23.2,	26.4,	28.6,	30.1,	35.2,	40.5,	43.9,	48.5,	52.4,	55.4,	59.8,	63.2,	65.9,	N/A ,
6 hours	19.4,	24.5,	27.0,	30.6,	32.9,	34.6,	40.1,	45.9,	49.5,	54.4,	58.6,	61.7,	66.5,	70.0,	72.9,	N/A ,
9 hours	23.0,	28.6,	31.4,	35.4,	37.9,	39.8,	45.7,	52.0,	55.8,	61.1,	65.5,	68.9,	73.8,	77.6,	80.6,	N/A ,
12 hours	25.9,	32.0,	35.0,	39.2,	41.9,	44.0,	50.2,	56.8,	60.8,	66.3,	70.9,	74.4,	79.6,	83.4,	86.6,	N/A ,
18 hours	30.7,	37.5,	40.8,	45.4,	48.3,	50.5,	57.3,	64.3,	68.6,	74.4,	79.3,	83.0,	88.4,	92.5,	95.7,	N/A ,
24 hours	34.6,	41.9,	45.4,	50.3,	53.4,	55.8,	62.9,	70.2,	74.8,	80.8,	85.9,	89.7,	95.3,	99.5,	102.8,	114.0,
2 days	45.5,	54.2,	58.3,	64.0,	67.6,	70.3,	78.4,	86.7,	91.8,	98.5,	104.2,	108.4,	114.5,	119.1,	122.7,	134.8,
3 days	54.8,	64.6,	69.2,	75.6,	79.6,	82.5,	91.5,	100.6,	106.2,	113.5,	119.6,	124.1,	130.8,	135.7,	139.6,	152.5,
4 days	63.2,	74.0,	79.0,	86.0,	90.4,	93.6,	103.3,	113.1,	119.1,	126.9,	133.5,	138.3,	145.3,	150.5,	154.7,	168.4,
6 days	78.6,	91.1,	96.9,	104.9,	109.8,	113.5,	124.5,	135.5,	142.2,	151.0,	158.2,	163.6,	171.4,	177.1,	181.7,	196.7,
8 days	92.8,	106.7,	113.2,	122.1,	127.6,	131.6,	143.7,	155.8,	163.2,	172.7,	180.6,	186.4,	194.8,	201.1,	206.0,	222.1,
10 days	106.2,	121.5,	128.6,	138.2,	144.2,	148.6,	161.7,	174.8,	182.7,	192.9,	201.4,	207.6,	216.6,	223.3,	228.6,	245.7,
12 days	119.2,	135.7,	143.3,	153.7,	160.1,	164.8,	178.8,	192.8,	201.2,	212.1,	221.1,	227.7,	237.3,	244.3,	249.9,	268.0,
16 days	143.9,	162.7,	171.3,	183.0,	190.2,	195.5,	211.2,	226.8,	236.1,	248.2,	258.2,	265.4,	276.0,	283.7,	289.8,	309.6,
20 days	167.6,	188.5,	198.1,	211.0,	218.9,	224.7,	241.9,	258.9,	269.1,	282.2,	293.0,	300.9,	312.3,	320.6,	327.2,	348.6,
25 days	196.4,	219.6,	230.3,	244.5,	253.3,	259.7,	278.6,	297.3,	308.4,	322.7,	334.5,	343.0,	355.4,	364.4,	371.6,	394.7,

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

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