

Met Eireann
Return Period Rainfall Depths for sliding Durations
Irish Grid: Easting: 301985, Northing: 234940,

DURATION	Interval		Years													
	6months,	1year,	2,	3,	4,	5,	10,	20,	30,	50,	75,	100,	150,	200,	250,	500,
5 mins	2.3,	3.4,	4.1,	5.0,	5.7,	6.2,	7.9,	10.0,	11.4,	13.3,	15.1,	16.6,	18.8,	20.5,	22.0,	N/A ,
10 mins	3.2,	4.8,	5.6,	7.0,	7.9,	8.6,	11.1,	13.9,	15.8,	18.6,	21.1,	23.1,	26.1,	28.6,	30.6,	N/A ,
15 mins	3.8,	5.6,	6.6,	8.2,	9.3,	10.2,	13.0,	16.4,	18.6,	21.9,	24.8,	27.1,	30.8,	33.6,	36.0,	N/A ,
30 mins	5.0,	7.3,	8.6,	10.6,	11.9,	13.0,	16.5,	20.6,	23.3,	27.2,	30.8,	33.5,	37.9,	41.2,	44.1,	N/A ,
1 hours	6.6,	9.6,	11.2,	13.6,	15.3,	16.6,	20.9,	25.9,	29.2,	33.9,	38.2,	41.5,	46.6,	50.6,	54.0,	N/A ,
2 hours	8.8,	12.5,	14.5,	17.5,	19.6,	21.2,	26.5,	32.6,	36.6,	42.3,	47.3,	51.3,	57.4,	62.1,	66.1,	N/A ,
3 hours	10.3,	14.6,	16.9,	20.3,	22.7,	24.5,	30.5,	37.2,	41.7,	48.0,	53.7,	58.1,	64.8,	70.0,	74.4,	N/A ,
4 hours	11.6,	16.3,	18.8,	22.6,	25.1,	27.1,	33.6,	41.0,	45.8,	52.6,	58.7,	63.4,	70.6,	76.3,	80.9,	N/A ,
6 hours	13.6,	19.0,	21.9,	26.2,	29.1,	31.3,	38.6,	46.8,	52.2,	59.8,	66.6,	71.8,	79.8,	86.0,	91.1,	N/A ,
9 hours	16.0,	22.2,	25.5,	30.3,	33.6,	36.1,	44.3,	53.6,	59.6,	68.0,	75.5,	81.3,	90.1,	96.9,	102.6,	N/A ,
12 hours	18.0,	24.8,	28.4,	33.7,	37.3,	40.0,	48.9,	58.9,	65.4,	74.5,	82.5,	88.7,	98.2,	105.5,	111.6,	N/A ,
18 hours	21.2,	28.9,	33.0,	39.1,	43.1,	46.2,	56.2,	67.4,	74.6,	84.7,	93.6,	100.5,	110.9,	119.0,	125.6,	N/A ,
24 hours	23.8,	32.3,	36.8,	43.4,	47.8,	51.1,	62.0,	74.1,	81.9,	92.8,	102.4,	109.7,	120.9,	129.5,	136.6,	161.2,
2 days	29.9,	39.5,	44.4,	51.6,	56.3,	60.0,	71.5,	84.0,	92.1,	103.2,	112.8,	120.1,	131.3,	139.8,	146.7,	170.5,
3 days	34.8,	45.3,	50.6,	58.3,	63.3,	67.1,	79.2,	92.3,	100.6,	111.9,	121.8,	129.2,	140.5,	149.0,	156.0,	179.8,
4 days	39.1,	50.3,	55.9,	64.1,	69.3,	73.3,	85.9,	99.4,	108.0,	119.7,	129.7,	137.3,	148.7,	157.3,	164.4,	188.3,
6 days	46.7,	59.1,	65.3,	74.1,	79.8,	84.2,	97.6,	111.9,	120.9,	133.1,	143.5,	151.3,	163.1,	172.0,	179.2,	203.4,
8 days	53.4,	66.9,	73.5,	83.0,	89.0,	93.6,	107.8,	122.8,	132.1,	144.8,	155.5,	163.6,	175.7,	184.8,	192.1,	216.8,
10 days	59.6,	74.0,	81.0,	91.0,	97.4,	102.1,	117.0,	132.6,	142.3,	155.3,	166.4,	174.7,	187.1,	196.4,	203.9,	229.0,
12 days	65.4,	80.6,	88.0,	98.4,	105.1,	110.1,	125.5,	141.6,	151.6,	165.1,	176.4,	184.9,	197.6,	207.0,	214.7,	240.2,
16 days	76.2,	92.7,	100.8,	112.1,	119.2,	124.6,	141.0,	158.1,	168.7,	182.7,	194.6,	203.5,	216.6,	226.4,	234.3,	260.6,
20 days	86.2,	104.0,	112.6,	124.6,	132.2,	137.9,	155.2,	173.1,	184.1,	198.8,	211.1,	220.3,	233.8,	243.9,	252.0,	278.9,
25 days	97.9,	117.1,	126.3,	139.1,	147.2,	153.2,	171.5,	190.3,	201.8,	217.1,	229.9,	239.5,	253.5,	263.9,	272.3,	299.9,

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