

Met Eireann  
Return Period Rainfall Depths for sliding Durations  
Irish Grid: Easting: 183983, Northing: 220738,

DURATION	Interval		Years										
	6months,	1year,	2,	3,	4,	5,	10,	20,	30,	50,	75,	100,	120,
5 mins	2.5,	3.5,	4.0,	4.7,	5.3,	5.7,	7.0,	8.4,	9.4,	10.7,	11.9,	12.9,	13.5,
10 mins	3.5,	4.8,	5.5,	6.6,	7.3,	7.9,	9.7,	11.7,	13.1,	15.0,	16.6,	17.9,	18.8,
15 mins	4.1,	5.7,	6.5,	7.8,	8.6,	9.3,	11.4,	13.8,	15.4,	17.6,	19.6,	21.1,	22.1,
30 mins	5.4,	7.4,	8.4,	10.0,	11.0,	11.8,	14.3,	17.1,	18.9,	21.5,	23.7,	25.4,	26.6,
1 hours	7.3,	9.7,	10.9,	12.8,	14.0,	14.9,	17.9,	21.2,	23.3,	26.2,	28.7,	30.6,	31.9,
2 hours	9.7,	12.7,	14.2,	16.4,	17.8,	18.9,	22.4,	26.2,	28.6,	31.9,	34.7,	36.9,	38.3,
3 hours	11.5,	14.8,	16.5,	19.0,	20.5,	21.8,	25.6,	29.7,	32.2,	35.8,	38.9,	41.2,	42.7,
4 hours	12.9,	16.6,	18.4,	21.0,	22.7,	24.0,	28.1,	32.4,	35.1,	38.9,	42.1,	44.5,	46.1,
6 hours	15.3,	19.4,	21.4,	24.3,	26.2,	27.6,	32.0,	36.7,	39.6,	43.6,	47.0,	49.6,	51.3,
9 hours	18.1,	22.7,	24.9,	28.1,	30.2,	31.7,	36.5,	41.6,	44.7,	49.0,	52.6,	55.3,	57.1,
12 hours	20.5,	25.4,	27.8,	31.2,	33.4,	35.0,	40.1,	45.4,	48.7,	53.2,	57.0,	59.8,	61.7,
18 hours	24.2,	29.7,	32.3,	36.1,	38.4,	40.2,	45.7,	51.4,	55.0,	59.7,	63.7,	66.7,	68.7,
24 hours	27.3,	33.2,	36.0,	40.0,	42.5,	44.4,	50.2,	56.2,	59.9,	64.8,	69.0,	72.1,	74.1,
2 days	34.1,	40.8,	44.0,	48.5,	51.3,	53.4,	59.8,	66.4,	70.4,	75.7,	80.2,	83.5,	85.7,
3 days	40.0,	47.5,	51.0,	56.0,	59.0,	61.3,	68.3,	75.4,	79.8,	85.5,	90.3,	93.8,	96.2,
4 days	45.5,	53.6,	57.5,	62.8,	66.1,	68.6,	76.1,	83.7,	88.4,	94.5,	99.6,	103.3,	105.8,
6 days	55.5,	64.8,	69.3,	75.3,	79.1,	81.9,	90.3,	98.9,	104.0,	110.9,	116.5,	120.7,	123.4,
8 days	64.8,	75.2,	80.1,	86.8,	91.0,	94.1,	103.4,	112.8,	118.5,	125.9,	132.1,	136.6,	139.5,
10 days	73.6,	85.1,	90.4,	97.8,	102.3,	105.7,	115.8,	125.9,	132.0,	140.0,	146.7,	151.5,	154.7,
12 days	82.1,	94.5,	100.3,	108.2,	113.1,	116.8,	127.6,	138.4,	145.0,	153.5,	160.6,	165.8,	169.2,
16 days	98.5,	112.7,	119.3,	128.3,	133.8,	137.9,	150.1,	162.3,	169.6,	179.2,	187.0,	192.8,	196.6,
20 days	114.4,	130.2,	137.5,	147.5,	153.6,	158.2,	171.6,	185.0,	193.1,	203.5,	212.2,	218.5,	222.6,
25 days	133.7,	151.4,	159.6,	170.7,	177.6,	182.6,	197.6,	212.4,	221.3,	232.8,	242.3,	249.3,	253.8,

NOTES:

These values are derived from a Depth Duration Frequency (DDF) Model update 2023

For details refer to:

'Mateus C., and Coonan, B. 2023. Estimation of point rainfall frequencies in Ireland. Technical Note No. 68. Met Eireann',

Available for download at:

<http://hdl.handle.net/2262/102417>