



Hose Reel Sprinkler Performance Chart

500G/150M

PE HOSE: O.D. mm			FIELD-PIPE LENGTH MT					SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H		SPEED MT/H			
50			150					10		20		30		40		50		60		70		80		90		100	
1.6			492					33		66		98		131		164		197		230		262		295		328	
nozzle diam mm	nozzle pres bar	theoric throw mt	Flow mc/h	Flow l/min	Flow l/s	Pull to pull dist. mt	Irrigated area per pull Ha	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar	rate mm	inlet pres bar
10	2	19.09	5	89	1	30.5	0.46	17	2.7	9	2.9	6	3.0	4	3.2	3	3.4	3	3.5	2	3.7	2	3.9	2	4.0	2	4.2
10	2.5	21.35	6	99	1.7	34.2	0.51	17	3.3	9	3.5	6	3.6	4	3.8	3	4.0	3	4.1	2	4.3	2	4.5	2	4.6	2	4.8
10	3	23.38	7	109	1.8	37.4	0.56	17	3.9	9	4.1	6	4.3	4	4.4	3	4.6	3	4.8	2	4.9	2	5.1	2	5.3	2	5.4
10	4	27.00	8	125	2.1	43.2	0.65	17	5.2	9	5.3	6	5.5	4	5.7	3	5.8	3	6.0	2	6.2	2	6.3	2	6.5	2	6.7
10	5	30.19	8	140	2.3	48.3	0.72	17	6.4	9	6.5	6	6.7	4	6.9	3	7.0	3	7.2	2	7.4	2	7.5	2	7.7	2	7.9
12	2	20.91	8	128	2.1	33.5	0.50	23	3.2	11	3.4	8	3.5	6	3.7	5	3.9	4	4.0	3	4.2	3	4.4	3	4.5	2	4.7
12	2.5	23.38	9	143	2.4	37.4	0.56	23	3.9	11	4.1	8	4.3	6	4.4	5	4.6	4	4.8	3	4.9	3	5.1	3	5.3	2	5.4
12	3	25.61	9	156	2.6	41.0	0.61	23	4.7	11	4.8	8	5.0	6	5.2	5	5.3	4	5.5	3	5.7	3	5.8	3	6.0	2	6.2
12	4	29.58	11	180	3.0	47.3	0.71	23	6.1	11	6.3	8	6.4	6	6.6	5	6.8	4	6.9	3	7.1	3	7.3	3	7.4	2	7.6
12	5	33.07	12	202	3.4	52.9	0.79	23	7.6	11	7.7	8	7.9	6	8.1	5	8.2	4	8.4	3	8.6	3	8.7	3	8.9	2	9.1
14	2	22.59	10	174	2.9	36.1	0.54	29	4.0	14	4.1	10	4.3	7	4.5	6	4.6	5	4.8	4	5.0	4	5.1	3	5.3	3	5.5
14	2.5	25.26	12	194	3.2	40.4	0.61	29	4.9	14	5.1	10	5.2	7	5.4	6	5.6	5	5.7	4	5.9	4	6.1	3	6.2	3	6.4
14	3	27.67	13	213	3.5	44.3	0.66	29	5.8	14	6.0	10	6.1	7	6.3	6	6.5	5	6.6	4	6.8	4	7.0	3	7.1	3	7.3
14	4	31.95	15	246	4.1	51.1	0.77	29	7.6	14	7.8	10	7.9	7	8.1	6	8.3	5	8.4	4	8.6	4	8.8	3	8.9	3	9.1
14	5	35.72	16	275	4.6	57.1	0.86	29	9.4	14	9.6	10	9.7	7	9.9	6	10.1	5	10.2	4	10.4	4	10.6	3	10.7	3	10.9

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50			150					10		20		30		40		50		60		70		80		90		100	
1.6			492					33		66		98		131		164		197		230		262		295		328	
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16	2	24.15	14	227	3.8	38.6	0.58	35	5.1	18	5.3	12	5.5	9	5.6	7	5.8	6	6.0	5	6.1	4	6.3	4	6.5	4	6.6
16	2.5	27.00	15	254	4.2	43.2	0.65	35	6.3	18	6.5	12	6.6	9	6.8	7	7.0	6	7.1	5	7.3	4	7.5	4	7.6	4	7.8
16	3	29.58	17	278	4.6	47.3	0.71	35	7.5	18	7.6	12	7.8	9	8.0	7	8.1	6	8.3	5	8.5	4	8.6	4	8.8	4	9.0
16	4	34.15	19	321	5.3	54.6	0.82	35	9.8	18	10.0	12	10.1	9	10.3	7	10.5	6	10.6	5	10.8	4	11.0	4	11.1	4	11.3
16	5	38.18	22	359	6.0	61.1	0.92	35	12.1	18	12.3	12	12.4	9	12.6	7	12.8	6	12.9	5	13.1	4	13.3	4	13.4	4	13.6