

SIME CLIMBER – PERFORMANCE CHART

Nozzle Diameter		Pressure		Jet Length		Capacity		Single Sprinkler Values		Rectangular pattern of irrigators			Triangular Pattern			
								Irrigated Area	Rainfall per Hour	Distance between 2 contiguous pipelines	Irrigated Area	Rainfall per Hour	Distance of the sprinklers on the pipelines	Distance between 2 contiguous pipelines	Irrigated Area	Rainfall per Hour
mm	inch	bar	psi	m	feet	l/min	m ³ /h	m ²	mm/h	m	m ²	mm/h	m	m	m ²	mm/h
26	1	2.94	44	42	137	800	48	5538	8.6	75	3150	15.2	72	63	4536	10.6
		3.92	56	47	154	926	55.5	6939	8	84	3948	14	81	70	5670	9.8
		4.90	70	51	168	1036	62.2	8167	7.6	91	4641	13.4	88	76	6688	9.3
		5.88	85	54	177	1135	68.1	9156	7.4	97	5238	13	93	81	7533	9
28	1.10	2.94	44	45	147	917	55	6361	8.6	81	3645	15	77	67	5159	10.6
		3.92	56	49	160	1061	63.7	7539	8.4	88	4312	14.8	84	73	6132	10.4
		4.90	70	52	170	1186	71.2	8494	8.3	93	4836	14.7	90	78	7020	10.1
		5.88	85	55	181	1300	78	9498	8.2	99	5445	14.3	95	82	7790	10
30	1 ³ / ₁₆	3.92	56	50	164	1207	72.4	7853	9.2	90	4500	16	86	75	6450	11.2
		4.90	70	54	177	1350	81	9156	8.8	97	5238	15.5	93	81	7533	10.7
		5.88	85	57	187	1479	88.7	10200	8.7	102	5814	15.2	98	85	8330	10.6
		6.86	100	61	199	1594	95.6	11683	8.2	109	6649	14.8	105	91	9555	10
32	1 ¹ / ₄	3.92	56	52	170	1361	81.7	8494	9.6	93	4836	16.9	90	78	7020	11.6
		4.90	70	56	184	1522	91.3	9847	9.3	100	5600	16.3	96	84	8064	11.3
		5.88	85	59	192	1668	100	10930	9.1	106	6254	15.9	102	88	8976	11.1
		6.86	100	62	202	1798	107.9	12070	8.9	111	6882	15.7	107	93	9951	10.8
34	1 ¹¹ / ₃₂	4.90	70	57	187	1708	102.5	10200	10	102	5814	17.6	98	85	8330	12.3
		5.88	85	61	199	1872	112.3	11683	9.6	109	6649	16.9	105	91	9555	11.7
		6.86	100	64	210	2018	121	12860	9.4	115	7360	16.4	110	96	10560	11.4
		7.85	115	67	220	2162	129.7	14095	9.2	120	8040	16.1	115	100	11500	11.2



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