

Water application times, gallons & rates.

Square zone shape

SPRINKLER IN CENTER OF ZONE		.22 inches applied			.33 inches applied		
Center to corner (ft.)	Area (sq. ft.)	Applying minutes	Gallons applied (est.)	Rate avg. gpm (zone)	Applying minutes	Gallons applied (est.)	Rate avg. gpm (zone)
10	200	12	27	2.28	17	41	2.42
11	242	13	33	2.55	19	50	2.62
12	288	14	39	2.82	20	59	2.96
13	338	15	46	3.09	23	69	3.02
14	392	16	54	3.36	24	81	3.36
15	450	17	62	3.63	25	93	3.70
16	512	19	70	3.69	28	105	3.76
17	578	20	79	3.96	30	119	3.96
18	648	22	89	4.04	32	133	4.16
19	722	23	99	4.30	34	148	4.37
20	800	25	110	4.39	36	164	4.57
21	882	26	121	4.65	39	181	4.65
22	968	28	133	4.74	41	199	4.85
22.5	1,012	28	139	4.95	42	208	4.95
23	1,058	29	145	5.00	43	218	5.06
24	1,152	31	158	5.09	46	237	5.15
25	1,250	33	171	5.19	48	257	5.35
26	1,352	34	185	5.45	49	278	5.67
27	1,458	36	200	5.55	53	300	5.66
27.5	1,512	37	207	5.60	55	311	5.65
28	1,568	38	215	5.66	56	322	5.76
29	1,682	40	231	5.76	59	346	5.86
30	1,800	41	247	6.02	62	370	5.97
31	1,923	42	264	6.28	65	395	6.08
31.5	1,985	44	272	6.18	66	408	6.18
32	2,048	46	281	6.10	68	421	6.19
33	2,178	48	299	6.22	71	448	6.31

AREA CALCULATION

(Hypotenuse / 1.414) squared × 4 = sq. ft. — e.g. 31 ft. / 1.414 = 21.92; 21.92² = 481; 481 × 4 = 1,923 sq. ft.