



Calculating Annuals & Small Plants Required

Pre-calculated Plants Per Square Feet Chart

The chart below has fixed square footage in the left column (highlighted in beige) and spacing distances across the top (highlighted in yellow).

Example: If you intend on spacing your plants 18-inches apart, and your planting area is 300 square feet, the box where that column and row intersect indicates you will need 133 plants to cover the planting area.

If you don't find the exact size of your planting area, either estimate by selecting the closest area listed or use Chart 2 below to more precisely calculate how many plants will be required.

		Spacing of Plants (both directions)							
		4"	6"	8"	10"	12"	15"	18"	24"
Area in Square Feet	25	225	100	57	36	25	16	11	6
	50	450	200	114	72	50	32	22	12
	75	675	300	170	108	75	48	33	19
	100	900	400	227	143	100	64	44	25
	150	1,350	600	341	214	150	96	67	38
	200	1,800	800	454	286	200	128	89	50
	250	2,250	1,000	565	357	250	160	111	63
	300	2,700	1,200	682	428	300	192	133	75
	350	3,150	1,400	795	500	350	224	155	88
	400	3,600	1,600	909	571	400	256	178	100
	350	4,050	1,800	1,022	643	450	288	200	113
	500	4,500	2,000	1,136	714	500	321	222	125
	1,000	9,000	4,000	2,272	1,428	1,000	641	444	250
	1,500	13,500	6,000	3,408	2,142	1,500	962	666	375
	2,000	18,000	8,000	4,544	2,856	2,000	1,282	888	500
	2,500	22,500	10,000	5,680	3,570	2,500	1,603	1,110	625
	3,000	27,000	12,000	6,816	4,284	3,000	1,923	1,332	750
	3,500	31,500	14,000	7,952	4,998	3,500	2,244	1,554	875
	4,000	36,000	16,000	9,088	5,712	4,000	2,564	1,776	1,000
	4,500	40,500	18,000	10,224	6,426	4,500	2,885	1,998	1,125
5,000	45,000	20,000	11,360	7,140	5,000	3,205	2,220	1,250	
7,500	67,500	30,000	17,040	10,710	7,500	4,808	3,330	1,875	
10,000	90,000	40,000	22,720	14,280	10,000	6,410	4,440	2,500	

Plant Spacing Multiplier Chart

In the chart below, the column on the left indicates how far apart you intend to space your plants (groundcovers, annual bedding plants, etc.)

The column on the right is the number you need to multiply by the total square footage of the area you intend to plant.

Example: If you want to cover an area of 120 square feet with plants that you intend on spacing 10-inches apart the equation would look like this: 120 (Sq Ft) x 1.45 = 174 (Plants)

Space Between Plants	Spacing Multiplier (Plants per Square Foot)
4"	9
5"	5.76
6"	4
7"	2.94
8"	2.25
9"	1.78
10"	1.45
11"	1.19
12"	1
15"	0.64
18"	0.44
24"	0.25
30"	0.16
36"	0.11

1 inch is equal to 2.54 centimetres

1 square foot is equal to 0.0929 square metre