



15809 Tomball Parkway Houston  
TX, 77086  
281-440-5161



## On Center Triangular Spacing Planting Chart

If you don't see your coverage area on the chart, use the following formula to calculate how many plants you will need:  
(area in sq. feet) X (spacing multiplier) = number of plants needed.

		Number of Plants Needed											
On center spacing		2"	3"	4"	6"	8"	10"	12"	15"	18"	24"	36"	48"
Spacing multiplier		41.5	17.8	10	4.61	2.6	1.66	1.15	0.738	0.512	0.27	0.189	0.0725
Area to be planted in square feet.	1	42	18	10	5	3	2	1	-----	-----	-----	-----	-----
	2	83	36	20	9	5	3	2	1	1	-----	-----	-----
	3	125	53	30	14	8	5	3	2	2	-----	-----	-----
	5	208	89	50	23	13	8	6	4	3	1	-----	-----
	10	415	178	100	46	26	17	12	7	5	3	2	-----
	25	1,038	445	250	115	65	42	29	18	13	7	5	2
	50	2,075	890	500	231	130	83	58	37	26	14	9	4
	75	3,113	1,335	750	346	195	125	86	55	38	20	14	5
	100	4,150	1,780	1,000	461	260	166	115	74	51	27	19	7
	150	6,225	2,670	1,500	692	390	249	173	111	77	41	28	11
	200	8,300	3,560	2,000	922	520	332	230	148	102	54	38	15
	250	10,375	4,450	2,500	1,153	650	415	288	185	128	68	47	18
	300	12,450	5,340	3,000	1,383	780	498	345	221	154	81	57	22
	350	14,525	6,230	3,500	1,614	910	581	403	258	179	95	66	25
	400	16,600	7,120	4,000	1,844	1,040	664	460	295	205	108	76	29
	450	18,675	8,010	4,500	2,075	1,170	747	518	332	230	122	85	33
	500	20,750	8,900	5,000	2,305	1,300	830	575	369	256	135	95	36
1,000	41,500	17,800	10,000	4,610	2,600	1,660	1,150	738	512	270	189	73	
1,500	62,250	26,700	15,000	6,915	3,900	2,490	1,725	1,107	768	405	284	109	
2,000	83,000	35,600	20,000	9,220	5,200	3,320	2,300	1,476	1,024	540	378	145	
2,500	103,750	44,500	25,000	11,525	6,500	4,150	2,875	1,845	1,280	675	473	181	
3,000	124,500	53,400	30,000	13,830	7,800	4,980	3,450	2,214	1,536	810	567	218	
3,500	145,250	62,300	35,000	16,135	9,100	5,810	4,025	2,583	1,792	945	662	254	
4,000	166,000	71,200	40,000	18,440	10,400	6,640	4,600	2,952	2,048	1,080	756	290	
4,500	186,750	80,100	45,000	20,745	11,700	7,470	5,175	3,321	2,304	1,215	851	326	
5,000	207,500	89,000	50,000	23,050	13,000	8,300	5,750	3,690	2,560	1,350	945	363	
7,500	311,250	133,500	75,000	34,575	19,500	12,450	8,625	5,535	3,840	2,025	1,418	544	
10,000	415,000	178,000	100,000	46,100	26,000	16,600	11,500	7,380	5,120	2,700	1,890	725	





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Square spacing



## On Center Square Spacing Planting Chart

If you don't see your coverage area on the chart, use the following formula to calculate how many plants you will need:  
(area in sq. feet) X (spacing multiplier) = number of plants needed.

On center spacing	Number of Plants Needed												
	2"	3"	4"	6"	8"	10"	12"	15"	18"	24"	36"	48"	
Spacing multiplier	36	16	9	4	2.25	1.44	1	0.64	0.44	0.25	0.111	0.0625	
1	36	16	9	4	2	1	1	-----	-----	-----	-----	-----	
2	72	32	18	8	5	3	2	1	-----	-----	-----	-----	
3	108	48	27	12	7	4	3	2	1	-----	-----	-----	
5	180	80	45	20	11	7	5	3	2	1	-----	-----	
10	360	160	90	40	23	14	10	6	4	3	1	-----	
25	900	400	225	100	56	36	25	16	11	6	3	2	
Area to be planted in square feet.	50	1,800	800	450	200	113	72	50	32	22	13	6	3
75	2,700	1,200	675	300	169	108	75	48	33	19	8	5	
You can add areas together to get other totals.	100	3,600	1,600	900	400	225	144	100	64	44	25	11	6
150	5,400	2,400	1,350	600	338	216	150	96	66	38	17	9	
200	7,200	3,200	1,800	800	450	288	200	128	88	50	22	13	
250	9,000	4,000	2,250	1,000	563	360	250	160	110	63	28	16	
300	10,800	4,800	2,700	1,200	675	432	300	192	132	75	33	19	
350	12,600	5,600	3,150	1,400	788	504	350	224	154	88	39	22	
400	14,400	6,400	3,600	1,600	900	576	400	256	176	100	44	25	
450	16,200	7,200	4,050	1,800	1,013	648	450	288	198	113	50	28	
500	18,000	8,000	4,500	2,000	1,125	720	500	320	220	125	56	31	
1,000	36,000	16,000	9,000	4,000	2,250	1,440	1,000	640	440	250	111	63	
1,500	54,000	24,000	13,500	6,000	3,375	2,160	1,500	960	660	375	167	94	
2,000	72,000	32,000	18,000	8,000	4,500	2,880	2,000	1,280	880	500	222	125	
2,500	90,000	40,000	22,500	10,000	5,625	3,600	2,500	1,600	1,100	625	278	156	
3,000	108,000	48,000	27,000	12,000	6,750	4,320	3,000	1,920	1,320	750	333	188	
3,500	126,000	56,000	31,500	14,000	7,875	5,040	3,500	2,240	1,540	875	389	219	
4,000	144,000	64,000	36,000	16,000	9,000	5,760	4,000	2,560	1,760	1,000	444	250	
4,500	162,000	72,000	40,500	18,000	10,125	6,480	4,500	2,880	1,980	1,125	500	281	
5,000	180,000	80,000	45,000	20,000	11,250	7,200	5,000	3,200	2,200	1,250	555	313	
7,500	270,000	120,000	67,500	30,000	16,875	10,800	7,500	4,800	3,300	1,875	833	469	
10,000	360,000	160,000	90,000	40,000	22,500	14,400	10,000	6,400	4,400	2,500	1,110	625	





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Triangular or zigzag spacing



## On Center Triangular Spacing Planting Chart for Round & 1/2 Moon Beds

If you don't see your coverage area on the chart, use the following formula to calculate the number of plants you will need: (area in square feet) X (spacing multiplier)= number of plants needed.

A quick way to figure square feet is to Google "Area of a circle calculator". Several easy to use sites will come up.

For 1/2 moon beds divide the number of plants needed for an entire circle by 2. For example, if the diameter (straight side) of your 1/2 moon bed is 8' and you are planting on 12" centers, divide 50 by 2 = 25plants needed.

		Number of Plants Needed												
On center spacing		2"	3"	4"	6"	8"	10"	12"	15"	18"	24"	36"	48"	
Spacing multiplier		41.5	17.8	10	4.61	2.6	1.66	1	0.738	0.512	0.27	0.189	0.0725	
B e d	2	3.75	156	67	38	17	10	6	4	3	2	1	-----	
	3	7.00	291	125	70	14	18	12	8	5	4	2	1	
	4	12.50	519	223	125	18	33	21	14	9	6	3	2	
	5	19.50	809	347	195	23	51	32	22	14	10	5	4	1
	6	28.25	1,172	503	283	28	73	47	32	21	14	8	5	2
	7	38.50	1,598	685	385	32	100	64	44	28	20	10	7	3
	8	50.25	2,085	894	503	37	131	83	58	37	26	14	9	4
	9	63.50	2,635	1,130	635	41	165	105	73	47	33	17	12	5
	10	78.50	3,258	1,397	785	46	204	130	90	58	40	21	15	6
	D i a m e t e r	12	113.00	4,690	2,011	1,130	55	294	188	130	83	58	31	21
14		154.00	6,391	2,741	1,540	65	400	256	177	114	79	42	29	11
16		201.00	8,342	3,578	2,010	74	523	334	231	148	103	54	38	15
18		254.40	10,558	4,528	2,544	83	661	422	293	188	130	69	48	18
20		314.10	13,035	5,591	3,141	92	817	521	361	232	161	85	59	23
22		380.00	15,770	6,764	3,800	101	988	631	437	280	195	103	72	28
24		452.30	18,770	8,051	4,523	111	1,176	751	520	334	232	122	85	33
26		530.80	22,028	9,448	5,308	120	1,380	881	610	392	272	143	100	38
28		625.70	25,967	11,137	6,257	129	1,627	1,039	720	462	320	169	118	45
30		706.70	29,328	12,579	7,067	138	1,837	1,173	813	522	362	191	134	51
	32	804.10	33,370	14,313	8,041	148	2,091	1,335	925	593	412	217	152	58
	34	907.70	37,670	16,157	9,077	157	2,360	1,507	1,044	670	465	245	172	66
	36	1017.70	42,235	18,115	10,177	166	2,646	1,689	1,170	751	521	275	192	74
Square feet														





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For 1/2 moon beds divide the number of plants needed for an entire circle by 2. For example, if the diameter (straight side) of your 1/2 moon bed is 8' and you are planting on 12" centers, divide 50 by 2 = 25plants needed.

		Number of Plants Needed													
On center spacing		2"	3"	4"	6"	8"	10"	12"	15"	18"	24"	36"	48"		
Spacing Multiplier		36	16	9	4	2.25	1.44	1	0.64	0.44	0.25	0.111	0.0625		
B e d	2	3.75	135	60	34	15	8	5	4	2	2	-----	-----	-----	
	3	7.00	252	112	63	28	16	10	7	4	3	2	-----	-----	
	4	12.50	450	200	113	50	28	18	13	8	6	3	1	-----	
	5	19.50	702	312	176	78	44	28	20	12	9	5	2	1	
	6	28.25	1,017	452	254	113	64	41	28	18	12	7	3	2	
	7	38.50	1,386	616	347	154	87	55	39	25	17	10	4	2	
	8	50.25	1,809	804	452	201	113	72	50	32	22	13	6	3	
	9	63.50	2,286	1,016	572	254	143	91	64	41	28	16	7	4	
	10	78.50	2,826	1,256	707	314	177	113	79	50	35	20	9	5	
	D i a m e t e r	12	113.00	4,068	1,808	1,017	452	254	163	113	72	50	28	13	7
14		154.00	5,544	2,464	1,386	616	347	222	154	99	68	39	17	10	
16		201.00	7,236	3,216	1,809	804	452	289	201	129	88	50	22	13	
18		254.40	9,158	4,070	2,290	1,018	572	366	254	163	112	64	28	16	
20		314.10	11,308	5,026	2,827	1,256	707	452	314	201	138	79	35	20	
22		380.00	13,680	6,080	3,420	1,520	855	547	380	243	167	95	42	24	
24		452.30	16,283	7,237	4,071	1,809	1,018	651	452	289	199	113	50	28	
26		530.80	19,109	8,493	4,777	2,123	1,194	764	531	340	234	133	59	33	
28		625.70	22,525	10,011	5,631	2,503	1,408	901	626	400	275	156	69	39	
30		706.70	25,441	11,307	6,360	2,827	1,590	1,018	707	452	311	177	78	44	
32		804.10	28,948	12,866	7,237	3,216	1,809	1,158	804	515	354	201	89	50	
34		907.70	32,677	14,523	8,169	3,631	2,042	1,307	908	581	399	227	101	57	
36		1017.70	36,637	16,283	9,159	4,071	2,290	1,465	1,018	651	448	254	113	64	
Square feet															

