

Pot Filling Chart

Vermont Compost Company
 802-223-6049 | fax 802-223-9028
 1996 Main Street | Montpelier, Vermont 05602
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Plug Trays	Dimenions (inches)	Sling bag fills (54 cu. ft.)*	One cubic yard fills (27 cu. ft.)*	60 quart bag fills (2 cu. ft.)*
Pro-Tray Growing Trays				
Six-pak	3 1/8 x 3 1/8 x 3 1/2	621	310	23
18 Pots (cut)	3 1/8 x 3 1/8 x 2 1/2	3731	1865	138
24 Pots (cut)	3 1/8 x 2 1/4 x 3	6847	3423	253
18 Liner Tray	3 1/8 x 3 1/8 x 3 1/2	205	102	7
24 Liner Tray	3 1/8 x 2 3/16 x 3	286	143	10
24 Pro Tray	2 3/8 x 2 5/16	540	270	20
38 Pro Tray	2 3/16 x 2 15/16	405	202	15
50 Pro Tray	1 7/8 x 2 5/16	432	216	16
72 Pro Tray	1 1/2 x 2 5/16	507	253	18
98 Pro Tray	1 3/8 x 1 1/2	604	302	22
162 Pro Tray	1 x 1 1/2	783	391	29
288 Round Pro Tray	13/16 x 1	1031	515	38
Pro-Strip				
5/10	1 7/8 x 2 5/16	2154	1077	80
Plug Flats				
50 Square Flat	1 7/8 x 2 1/4	340	170	12
72 Round Flat	1 7/16 x 1 3/4	691	345	25
72 Square Flat	1 9/16 x 2 3/16	394	197	14
98 Square Flat	1 5/16 x 2	426	213	16
128 Square Flat	1 3/16 x 1 13/16	486	243	18
162 Square Flat	1 x 1 1/2	496	248	18
200 Square Flat	5/16 x 1 1/2	577	288	21
273 Square Flat	3/4 x 1 1/8	1004	502	37
288 Round Flat	13/16 x 1	1031	515	38
288 Square Flat	13/16 x 1 1/4	810	405	30
392 Square Flat	5/8 x 7/8	1247	623	46
406 Square Flat	5/8 x 7/8	1198	599	44
512 Square Flat	9/16 x 3/4	1333	666	49

* Approximate amounts only—
 actual usage depends on moisture content, compression, and pot manufacturer.

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Square Pots	Dimenions (inches)	Sling bag fills (54 cu. ft.)*	One cubic yard fills (27 cu. ft.)*	60 quart bag fills (2 cu. ft.)*
2 1/4 inch	1 15/16 x 1 7/8 x 1 1/2	19,278	9,639	714
2 1/2 inch	2 3/8 x 1 15/16 x 1 7/8	13,176	6,588	488
3 inch	2 3/4 x 2 1/4 x 2 1/8	6,912	3,456	256
3 1/2 inch	3 1/4 x 2 3/4 x 2 1/2	5,184	2,592	192
4 inch	3 5/8 x 3 1/8 x 2 7/8	3,024	1,512	112
4 1/2 inch	4 1/8 x 3 5/8 x 3 1/4	2,160	1,080	80
Round Pots				
2 1/4 inch	2 1/4 x 2 1/16 x 1 3/4	13,824	6,912	512
2 1/2 inch	2 3/8 x 2 1/4 x 2	11,232	5,616	416
3 inch	3 x 2 13/16 x 2 1/4	6,480	3,240	240
3 1/2 inch	3 3/8 x 3 3/16 x 2 3/8	4,320	2,160	160
4 inch	4 x 3 7/8 x 2 3/4	2,592	1,296	96
4 1/2 inch	4 3/8 x 4 3/8 x 3	2,160	1,080	80
5 inch	5 x 3 1/2 x 4 15/16	1,512	756	56
5 1/2 inch	5 1/2 x 5 3/8 x 3 13/16	1,080	540	40
6 inch	6 x 5 3/4 x 4 1/16	864	432	32
7 inch	6 3/4 x 7 3/4 x 4 11/16	540	270	20
8 inch	7 5/8 x 7 3/4 x 5 3/8	324	162	12
10 inch	9 7/8 x 9 3/4 x 6 7/8	162	81	6
Hanging Baskets				
8 inch	7 1/2 x 4 7/8 x 4 1/16	594	297	22
10 inch	10 x 6 1/8 x 4	270	135	10
Bulb Pans				
6 inch	6 1/16 x 3 9/16 x 4 9/16	1,296	648	48
7 inch	7 1/16 x 3 13/16 x 5 9/16	864	432	32
8 inch	8 13/16 x 4 x 6 3/4	486	243	18
10 inch	10 1/4 x 4 15/16 x 8 1/8	270	135	10
12 inch	12 1/8 x 6 x 9 3/4	162	81	6

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Azalea Pots	Dimenions (inches)	Sling bag fills (54 cu. ft.)*	One cubic yard fills (27 cu. ft.)*	60 quart bag fills (2 cu. ft.)*
4 inch	4 x 2 13/16 x 3	3,024	1,512	112
4 1/2 inch	4 1/2 x 3 3/8 x 3 1/4	2,376	1,188	88
5 inch	5 x 3 13/16 x 3 9/16	1,512	756	56
5 1/2 inch	5 1/2 x 4 1/4 x 3 7/8	1,296	648	48
6 inch	6 x 4 5/8 x 4 1/4	972	486	36
6 1/2 inch	6 1/2 x 5 x 4 9/16	864	432	32
7 inch	6 7/8 x 5 3/8 x 5 1/16	648	324	24
7 1/2 inch	7 3/8 x 5 11/16 x 5 3/8	540	270	20
8 inch	8 1/8 x 5 7/8 x 6	378	189	14
8 1/2 inch	8 1/2 x 5 7/8 x 6	324	162	12
10 inch	9 7/8 x 7 3/8 x 7 1/4	216	108	8
Geranium Pots				
3 1/2 inch	3 1/4 x 3 2 3/8	5,184	2,592	192
4 inch	3 15/16 x 3 7/16 x 2 7/8	3,024	1,512	112
4 1/4 inch	4 1/4 x 3 9/16 x 3 1/8	2,700	1,350	100
4 1/2 inch	4 3/8 x 3 7/8 x 3	2,376	1,188	88
Flats & Inserts				
1020N flat	11 1/2 x 21 1/4 x 2 1/4	248	124	9
1020K flat	11 1/2 x 21 1/4 x 1 1/8	378	189	14
20-row seedling	11 1/2 x 21 1/4 x 1 1/8	594	297	22
804 cell pack	2 3/8 x 2 3/8 x 2 1/4	302	151	11
806 cell pack	1 1/2 x 2 3/8 x 2 1/4	324	162	12
1006 cell pack	1 3/4 x 1 1/2 x 2 1/4	291	145	11
1206 cell pack	1 1/2 x 1 1/2 x 2 1/4	496	248	18
1804 cell pack	1 1/2 x 1 1/2 x 2 1/4	496	248	18

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Soil Blocks	Dimenions (inches)	Sling bag fills (54 cu. ft.)*	One cubic yard fills (27 cu. ft.)*	60 quart bag fills (2 cu. ft.)*
Micro 20 soil blocker	3/4" blocks	221,170	110,585	8,192
Mini 1 1/2 block maker	1 1/2" blocks	13,824	6,912	512
Multi 12, Multi 20, Medium 4 soil blocker	2" blocks	7,776	3,888	288
Stand up 6 soil blocker	2 3/8" x 3" x 2"	6,548	3,274	242
Multi 6 soil blocker	3" x 2 1/2" x 2"	6,220	3,110	230
4 inch block maker	4" blocks	972	486	36

*Amounts are based on a "loose fill" potting soil in the blocking pan or tray; you may need more or less potting soil based on compaction, moisture, or depth goal.

A few words about soil blocks:

Our goal here is growing plants, not building buildings. The plant's roots will make the block durable for transplant, better to make blocks that are a bit fragile when made, than to over compact them.

Moisture is very important; it should be possible to squeeze a bit of water out of the loose mix with a fist, but only a little bit. Fort Vee was developed as a blocking mix, and with a bit of practice, will produce firm reliable blocks and strong transplants which will prosper in the field.

Coverage Chart

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1 Cubic Yard Will Cover	
Area	Depth
54 sf	6 in deep
108 sf	3 in deep
324 sf	1 in deep
648 sf	1/2 in deep
1298 sf	1/4 in deep
2596 sf	1/8 in deep

Cubic Yards Needed					
Area	4" deep	6" deep	8" deep	10" deep	12" deep
100 sq ft	1.23	1.85	2.47	3.09	3.70
200 sq ft	2.47	3.70	4.94	6.17	7.41
300 sq ft	3.70	5.56	7.41	9.26	11.11
400 sq ft	4.93	7.40	9.88	12.35	14.81
500 sq ft	6.17	9.26	12.35	15.43	18.52
600 sq ft	7.40	11.11	14.82	18.52	22.22
700 sq ft	8.63	12.96	17.29	21.60	25.93
800 sq ft	9.86	14.80	19.76	24.70	29.62
900 sq ft	11.10	16.67	22.23	27.78	33.33
1000 sq ft	12.33	18.52	24.70	30.86	37.04

* Formula for calculating cu yds required: (length ft x width ft x depth ft)/27 = cu yds needed