



Container Fill and Incorporation Rates

RootShield® PLUS⁺ Granules and RootShield® Granules

Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
Pots							
Kord® Traditional Standard Pots							
2.25" Kord Traditional Std.	2.250	2.250	7	6665.14	0.07	0.09	0.10
2.5" Kord Traditional Std.	2.500	2.250	7	6665.14	0.07	0.09	0.10
3" Kord Traditional Std.	3.000	2.750	13	3588.92	0.13	0.16	0.19
3.5" Kord Traditional Std.	3.500	3.000	20	2332.80	0.19	0.24	0.29
4" Kord Traditional Std.	4.000	3.500	32	1458.00	0.31	0.39	0.47
4.25" Kord Traditional Std.	4.250	3.500	36	1296.00	0.35	0.44	0.53
4.5" Kord Traditional Std.	4.500	4.000	40	1166.40	0.39	0.49	0.58
5" Kord Traditional Std.	5.000	4.750	65	717.78	0.63	0.79	0.95
5.5" Kord Traditional Std.	5.500	5.250	87	536.28	0.85	1.06	1.27
6" Kord Traditional Std.	6.000	5.750	112	416.57	1.09	1.36	1.63
Kord® Traditional & Regal Azalea Pots							
4" Kord Azalea	4.000	3.000	26	1794.46	0.25	0.32	0.38
5" Kord Azalea	5.000	4.000	54	864.00	0.53	0.66	0.79
5.5" Kord Azalea	5.500	4.250	75	622.08	0.73	0.91	1.09
6" Kord Azalea	6.000	4.750	90	518.40	0.88	1.09	1.31
6.5" Kord Azalea	6.500	5.000	119	392.07	1.16	1.45	1.74
7" Kord Azalea	7.000	5.500	142	328.56	1.38	1.73	2.07
7.5" Kord Azalea	7.500	5.750	170	274.45	1.65	2.07	2.48
8" Kord Azalea	8.000	6.250	210	222.17	2.04	2.55	3.07



Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
10" Kord Azalea	10.000	7.750	451	103.45	4.39	5.49	6.58
12" Kord Azalea	12.000	10.000	845	55.21	8.22	10.28	12.33
Dec-Grow®							
#6 Dec-Grow	6.000	5.375	NA	438.00	1.04	1.30	1.55
#7S Dec-Grow	7.000	5.750	NA	315.00	1.44	1.80	2.16
#7 Dec-Grow	7.000	6.750	NA	272.00	1.67	2.09	2.50
#7T Dec-Grow	7.000	7.000	NA	264.00	1.72	2.15	2.58
#8 Dec-Grow	7.875	7.125	NA	185.00	2.45	3.07	3.68
#10 Dec-Grow	7.875	8.750	NA	95.00	4.78	5.97	7.17
#11 Dec-Grow	10.500	9.875	NA	69.00	6.58	8.22	9.87
#12 Dec-Grow	11.875	10.750	NA	53.00	8.57	10.71	12.85
Accelerator®							
SP#2 RootTrainer liner cell	3.000	4.000	NA	3231.00	0.14	0.18	0.21
#3 Air Root Pruning Container	12.000	8.000	NA	75.00	6.05	7.57	9.08
#10 Air Root Pruning Container	18.000	12.000	NA	22.00	20.64	25.80	30.95
#15 Air Root Pruning Container	18.000	15.500	NA	17.00	26.71	33.38	40.06
#30 Air Root Pruning Container	24.000	15.750	NA	9.00	50.44	63.06	75.67
#45 Air Root Pruning Container	30.000	18.000	NA	5.00	90.80	113.50	136.20
#65 Air Root Pruning Container	30.000	22.000	NA	4.00	113.50	141.88	170.25
Large Pots							
#35	24.000	18.000	NA	7.00	64.86	81.07	97.29
#45	28.000	19.000	NA	5.00	90.80	113.50	136.20
#65	30.000	21.000	NA	4.00	113.50	141.88	170.25
#65	30.000	21.000	NA	4.00	113.50	141.88	170.25
#65 Squat	35.000	18.000	NA	3.00	151.33	189.17	227.00
#95/100	36.000	24.000	NA	2.00	227.00	283.75	340.50





Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
#95/100	36.000	24.375	NA	2.00	227.00	283.75	340.50
#95/100 Squat	42.000	18.250	NA	2.00	227.00	283.75	340.50
#150	42.000	26.250	NA	2.00	227.00	283.75	340.50
#200	48.000	26.500	NA	1.00	454.00	567.50	681.00
#300	58.000	26.000	NA	1.00	454.00	567.50	681.00
Blow Molded							
SP#4	4.750	4.625	NA	957.00	0.47	0.59	0.71
SP#4 Square	4.000	5.125	NA	994.00	0.46	0.57	0.69
SP#5	6.000	6.000	NA	438.00	1.04	1.30	1.55
SP#5 Square	5.250	6.000	NA	392.00	1.16	1.45	1.74
SP#5 Squat	6.000	5.375	NA	488.00	0.93	1.16	1.40
#1	6.625	5.500	NA	369.00	1.23	1.54	1.85
#1	6.500	6.500	NA	304.00	1.49	1.87	2.24
#1 (Smooth)	6.500	6.500	NA	304.00	1.49	1.87	2.24
#1	6.625	6.500	NA	281.00	1.62	2.02	2.42
#1	6.375	7.25	NA	275.00	1.65	2.06	2.48
Sm. Mum Pan	8.000	5.125	NA	264.00	1.72	2.15	2.58
#1	7.750	7.000	NA	200.00	2.27	2.84	3.41
#1	8.000	7.000	NA	200.00	2.27	2.84	3.41
Citrus/Pecan	8.250	16.000	NA	73.00	6.22	7.77	9.33
Lg. Mum Pan	9.000	6.125	NA	167.00	2.72	3.40	4.08
#2	9.000	8.500	NA	127.00	3.57	4.47	5.36
#2	8.500	8.000	NA	140.00	3.24	4.05	4.86
#2	9.500	9.125	NA	104.00	4.37	5.46	6.55
#2	9.500	8.625	NA	101.00	4.50	5.62	6.74





Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
#2 Squat	10.125	7.500	NA	104.00	4.37	5.46	6.55
#2+ Squat	11.000	7.500	NA	87.00	5.22	6.52	7.83
10 Foliage	10.125	9.125	NA	88.00	5.16	6.45	7.74
10 Foliage Tall	10.125	11.000	NA	80.00	5.68	7.09	8.51
#3	11.000	9.500	NA	67.00	6.78	8.47	10.16
#3	10.500	9.875	NA	69.00	6.58	8.22	9.87
#3 Squat	11.875	7.875	NA	70.00	6.49	8.11	9.73
#5	11.875	10.250	NA	54.00	8.41	10.51	12.61
#5	11.875	11.000	NA	53.00	8.57	10.71	12.85
#5	11.750	10.500	NA	49.00	9.27	11.58	13.90
#5 Egg Can	10.750	12.125	NA	59.00	7.69	9.62	11.54
#5 Squat	14.000	9.875	NA	39.00	11.64	14.55	17.46
#5 Squat	13.250	9.000	NA	49.00	9.27	11.58	13.90
#7	14.000	11.500	NA	33.00	13.76	17.20	20.64
#7	14.000	11.500	NA	35.00	12.97	16.21	19.46
#7 Squat	15.000	12.500	NA	27.00	16.81	21.02	25.22
#7 Squat	16.500	11.000	NA	26.00	17.46	21.83	26.19
#10	15.750	15.000	NA	21.00	21.62	27.02	32.43
#10	16.500	14.250	NA	20.00	22.70	28.38	34.05
#10 Squat	18.375	12.125	NA	19.00	23.89	29.87	35.84
#15	18.375	15.125	NA	15.00	30.27	37.83	45.40
#15 Tall	18.375	17.250	NA	14.00	32.43	40.54	48.64
#15	17.750	16.000	NA	15.00	30.27	37.83	45.40
#20 Squat	23.750	13.125	NA	10.00	45.40	56.75	68.10
#25	23.750	18.125	NA	7.00	64.86	81.07	97.29
#25	23.000	17.250	NA	8.00	56.75	70.94	85.13



Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
#25 Tall	23.000	18.875	NA	7.00	64.86	81.07	97.29
#45	30.000	20.125	NA	4.00	113.50	141.88	170.25
#65	30.750	23.125	NA	3.00	151.33	189.17	227.00
Lotus Pan	16.375	7.250	NA	42.00	10.81	13.51	16.21
Grip-Lip® & Econo-Grip®							
#1	7.000	7.125	NA	205.00	2.21	2.77	3.32
#2	8.125	8.500	NA	127.00	3.57	4.47	5.36
#2+ Squat	10.000	7.500	NA	89.00	5.10	6.38	7.65
10 Foliage	8.875	9.125	NA	89.00	5.10	6.38	7.65
#3	9.625	9.500	NA	75.00	6.05	7.57	9.08
#3	10.000	9.500	NA	70.00	6.49	8.11	9.73
#5	10.875	10.375	NA	55.00	8.25	10.32	12.38
#5	10.875	11.125	NA	51.00	8.90	11.13	13.35
#5 Egg Can	9.625	12.000	NA	62.00	7.32	9.15	10.98
#5 Squat	13.750	10.000	NA	36.00	12.61	15.76	18.92
#7	13.750	12.000	NA	31.00	14.65	18.31	21.97
#10	14.250	14.250	NA	22.00	20.64	25.80	30.95
#10 Squat	17.250	12.125	NA	19.00	23.89	29.87	35.84
#10 Tall	14.250	17.250	NA	20.00	22.70	28.38	34.05
#15	17.250	15.125	NA	15.00	30.27	37.83	45.40
#15 Squat	19.500	12.000	NA	15.00	30.27	37.83	45.40
#15 Tall	17.250	17.125	NA	14.00	32.43	40.54	48.64
#20	19.500	17.000	NA	10.00	45.40	56.75	68.10
#20 Squat	22.750	13.125	NA	10.00	45.40	56.75	68.10
#20 Tall	19.500	19.625	NA	9.00	50.44	63.06	75.67
#25	22.750	18.125	NA	7.00	64.86	81.07	97.29





Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
Pressure Formed							
#1	6.125	6.500	NA	308.00	1.47	1.84	2.21
#1	6.125	7.000	NA	297.00	1.53	1.91	2.29
True #1	7.500	7.125	NA	201.00	2.26	2.82	3.39
Mum Pan	9.500	6.000	NA	130.00	3.49	4.37	5.24
#2	8.500	8.500	NA	135.00	3.36	4.20	5.04
True #2	8.875	9.375	NA	100.00	4.54	5.68	6.81
10 Foliage	9.625	9.125	NA	90.00	5.04	6.31	7.57
True #3	10.500	9.375	NA	67.00	6.78	8.47	10.16
#5 Egg Can	10.125	12.000	NA	58.00	7.83	9.78	11.74
Injection Molded							
SP#3	3.500	3.500	NA	1846.00	0.25	0.31	0.37
Azalea pot	5.875	4.875	NA	398.00	1.14	1.43	1.71
#1	6.000	6.750	NA	311.00	1.46	1.82	2.19
#1	6.000	6.875	NA	311.00	1.46	1.82	2.19
#1	6.000	6.875	NA	272.00	1.67	2.09	2.50
#1 Square	5.500	7.000	NA	290.00	1.57	1.96	2.35
True #1	7.500	7.000	NA	191.00	2.38	2.97	3.57
#2	8.500	8.500	NA	126.00	3.60	4.50	5.40
#2	8.500	8.000	NA	130.00	3.49	4.37	5.24
#2	8.500	8.500	NA	117.00	3.88	4.85	5.82
True #2	8.875	9.375	NA	100.00	4.54	5.68	6.81
#3	10.125	9.000	NA	80.00	5.68	7.09	8.51
True #3	10.563	9.500	NA	67.00	6.78	8.47	10.16
#3 Squat	9.375	7.750	NA	104.00	4.37	5.46	6.55
#5	10.750	10.750	NA	55.00	8.25	10.32	12.38



Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
#5 Egg Can	10.250	11.750	NA	56.00	8.11	10.13	12.16
#5 Squat	11.000	9.875	NA	56.00	8.11	10.13	12.16
PT6	12.250	9.000	NA	51.00	8.90	11.13	13.35
#7 Squat	14.000	11.250	NA	34.00	13.35	16.69	20.03
#5 Egg Can	13.125	12.125	NA	34.00	13.35	16.69	20.03
#7 Tall	12.000	14.125	NA	33.00	13.76	17.20	20.64
#7+ Squat	14.750	11.625	NA	25.00	18.16	22.70	27.24
#10	14.750	14.750	NA	20.00	22.70	28.38	34.05
#10	15.500	14.250	NA	20.00	22.70	28.38	34.05
#10	15.500	14.250	NA	20.00	22.70	28.38	34.05
#15 Squat	17.125	15.000	NA	17.00	26.71	33.38	40.06
#15	17.000	16.000	NA	15.00	30.27	37.83	45.40
#15 Tall	14.750	17.625	NA	16.00	28.38	35.47	42.56
#15 Tall	14.250	17.250	NA	19.00	23.89	29.87	35.84
#20	20.000	17.000	NA	10.00	45.40	56.75	68.10
Hanging Baskets							
6 Traditional Saucerless Hanging Pot	6.500	4.250	91	512.70	0.89	1.11	1.33
8 Traditional Saucerless Hanging Pot	8.625	5.000	194	240.49	1.89	2.36	2.83
10 Traditional Saucerless Hanging Pot	10.750	5.875	339	137.63	3.30	4.12	4.95
New 10 Traditional/Delux Hanging Pot	10.375	5.500	300	155.52	2.92	3.65	4.38
New 11 Traditional Saucerless Hanging Pot	10.875	6.500	400	116.64	3.89	4.87	5.84
12 Traditional Saucerless Hanging Pot	13.000	7.500	640	72.90	6.23	7.78	9.34
Trays							
72 Square Plug Tray	21.5 x 11	2.250	278.8	167.35	2.71	3.39	4.07
72 Tray	NA	NA	NA	370.00	1.23	1.53	1.84
105 Hexagonal Plug Tray	21.5 x 11	1.500	152.3	306.34	1.48	1.85	2.22



Type of Container	Outside Dia. in.	Height in.	Capacity cu in.	Containers Per Cubic Yard (CCY)	Amt (g) of RootShield @ 1.0 lb/ cu yd	Amt (g) of RootShield @ 1.25 lb/ cu yd	Amt (g) of RootShield @ 1.5 lb/ cu yd
144 Octagonal Plug Tray	21.5 x 11	1.500	150.5	310.01	1.46	1.83	2.20
288 Octagonal Plug Tray	21.5 x 11	1.000	105.7	441.40	1.03	1.29	1.54
288 Square Plug Tray	21.5 x 11	1.250	156.6	297.93	1.52	1.90	2.29
288 CE Plug Tray	21.5 x 11	1.060	135.1	345.34	1.31	1.64	1.97
384 Octahedron Plug Tray	21.5 x 11	1.000	92.2	506.03	0.90	1.12	1.35
512 Octagonal Plug Tray	21.5 x 11	1.000	93.7	497.93	0.91	1.14	1.37
512 Tray	NA	NA	NA	400.00	1.14	1.42	1.70

NA = data is not available

Refer to product labels for complete application details. Additional technical information is available on our website (bioworksinc.com) or from your BioWorks technical sales representative. RootShield® PLUS+ Granules and RootShield® Granules are registered trademarks of BioWorks, Inc. Always read and follow label directions.