

# Insecticide Chart

	Aphids	Caterpillars	Fungus Gnats	Leafminers	Loopers	Mealybugs	Mites	Scale	Shore Flies	Slugs & Snails	Thrips	Whiteflies	MOA
Abamectin .15 EC	x			x			x				x	x	6
ABBA CS	x			x			x				x	x	6
Attain TR	x	x	x			x	x	x			x	x	3
Beethoven TR							x					x	10B
Bifenthrin Nsy/Golf RUP 7.9%	x	x	x	x		x	x	x			x	x	3
Bifenthrin I/T 7.9%	x	x	x	x		x	x	x			x	x	3
Botanigard ES	x					x					x	x	M
Botanigard 22WP	x					x					x	x	M
Distance IGR	x		x	x		x		x	x			x	7C
Duraplex TR	x	x	x			x	x	x	x		x	x	1&3
Imidacloprid N&G 2F	x			x		x					x	x	4A
Imidacloprid T&O 2F	x			x		x		x			x	x	4A
Imidacloprid N&G 1G	x		x	x		x		x			x	x	4A
Lambda GC-O	x	x		x		x	x	x			x		3
Mallet 2F	x			x		x					x	x	4A
Mantra 1G	x		x	x		x		x			x	x	4A
Mantra 60 WSP	x		x	x		x		x			x	x	4A
Menace GC 7.9% F	x	x	x	x		x	x	x			x	x	3
Minx	x			x			x				x	x	6
Molt-X	x	x		x		x		x			x	x	UN
Mycotrol O	x				x	x					x	x	M
Nemashield			x								x		UN
Nemasys			x								x		UN
Orthene TR	x	x	x	x	x	x	x	x			x	x	1B
Preclude TR	x	x		x		x	x	x			x	x	13
Pylon		x	x		x		x				x		13
Pylon TR			x				x				x		3
Pyreth-It	x	x			x						x	x	3
Pyrethrum TR	x		x			x	x	x		x	x	x	4A
Safari 20SG	x		x	x		x		x			x	x	4A
Sultan							x						3
Tame /Orthene TR	x	x	x	x	x	x	x	x			x	x	1&3
Tetrasan							x						10B
TriStar 8.5 SL	x	x	x	x		x		x			x	x	4A
Ultra-Pure Oil	x		x	x		x	x	x			x	x	M
1600 X-Clude	x		x			x	x					x	3

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Standard Round Pots</b>		
2.5"	1550	620
3"	900	360
4"	363	145
5"	195	78
6"	105	42
8"	50	20
10"	24	9.5
12"	14	5.4

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Azalea Pots</b>		
4"	490	196
5"	245	98
5.5"	155	62
6"	133	53
6.5"	100	40
7"	83	33
8"	55	22
10"	28	11

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Geranium Pots</b>		
4"	425	170
4.25"	350	140
4.5"	313	125

*This chart is a general guide. The measurements are approximate. They will vary depending upon the pot manufacturer and the grower's handling of the product.*

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Square Pots</b>		
2.5"	1313	525
3"	875	350
3.5"	525	210
4"	325	130
4.5"	275	110
5.5"JS	110	44

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Mum Pans</b>		
8" x 5"	70	28
9" x 6.5"	45	18

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Bulb Pans</b>		
6"	163	65
8"	73	29
10"	38	15

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Perennial &amp; Nursery Containers</b>		
Quart	240	96
0.5 Gallon	113	45
1 Gallon	65	26
2 Gallons	30	12
3 Gallons	23	9
C-100	240	96
C-300	65	26
C-400	50	20
C-600	30	12
C-900	25	10
C-1200	16	6.5

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Decorative Pots</b>		
6"	125	50
8"	58	23
10"	30	12
12"	16	6.5
14"	10	4

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Bowls</b>		
10"	53	21
12"	33	13
14"	23	9

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Squares</b>		
8"	40	16
12"	15	6
15"	8	3

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Ovals</b>		
12"	58	23
16"	28	11
20"	23	9

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Hanging Baskets (without Saucers)</b>		
6"	150	60
8"	70	28
10"	38	15
12"	23	9

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Hanging Baskets (with external Saucers)</b>		
6"	138	55
8"	65	26
10"	35	14
12"	21	8.5

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Ornamental Plug Trays</b>		
128 cell	65	26
288 cell	98	39
406 cell	110	44
512 cell	113	45

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Propagation Trays</b>		
Std Flat	50	20
36 cell	45	18
50 cell	63	25
72 cell	100	40
84 cell	125	50
98 cell	80	32

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Speedling Trays</b>		
128 cell	40	16
200 cell	38	15
288 cell	43	17
338D cell	50	20
392 cell	43	17

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>True 10"x20" Inserts</b>		
804	43	17
806	50	20
1203	50	20
1204	53	21
1801	40	16

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
<b>Slim Jim 8.5"x 20" Inserts</b>		
606	38	15
806JS	40	16
1204JS	43	17

## Fertilizer Calculations

Pounds (oz) of fertilizer per 100 gallons of solution

Desired ppm N	20% N	18% N	15% N
400	1.67 (27)	1.86 (30)	2.22 (35)
300	1.25 (20)	1.39 (22)	1.67 (27)
250	1.04 (17)	1.15 (18)	1.39 (22)
200	0.83 (13)	0.92 (15)	1.11 (18)
150	0.63 (10)	0.70 (11)	0.83 (13)
100	0.42 (6.7)	0.47 (7.5)	0.56 (9.0)

## Drench Rates for Soilless Media

Drench Definitions	Milliliters of solution/liter of soil volume	Percent of Soil Saturation (v/v)
Spreng, very light drench; heavy spray	25	2.5
Light drench	50	5.0
Moderate drench - <b>STANDARD</b>	100	10.0
Heavy drench	150	15.0
Very heavy drench; full saturation	200	20.0

*The conversions, rates, calculations and data shown in the above tables are approximations intended for general reference only.*

## Spray Coverage

Spray Definitions	Acre	100 sq ft	10 sq meter
Very light, surface spray (glistening)	50 gallons	0.125 gallons	0.5 gallons
Light spray	100	0.25	1.0
Moderate spray - <b>STANDARD</b>	200	0.50	2.0
Heavy spray; full plant coverage	300	0.75	3.0
Very heavy spray, full coverage, dripping	400	1.00	4.0

## Common US to Metric Conversions

1 pound/100 gallons = 1.2 g/liter = 4.56 g/gallon

1 pound/cubic yard = 0.6 g/liter of mix = 0.6 Kg/liter of mix = 16.8 g/cubic foot of mix

## At your service: One dozen scientists with advanced degrees

It's not just our great products that ensure your success; it's what goes along with them. Our team of horticultural scientists can help you select the right product, design your fertility program based on your needs and provide answers to your most challenging questions.