

Conversions, Calculations & Fill Guides

What One Bale or Bag of Sunshine® or Metro-Mix® Fills

Pot Size	Pots per 2.8 cf bag	Pots per 3.8 cf bale
Standard Round Plastic Pots		
3"	372	940
4"	173	413
4.5"	117	278
6"	47	114

Square Plastic Pots		
3"	346	889
3.5"	220	566
4"	131	336
4.5"	110	283

Plastic Hanging Baskets		
6"	53	137
8"	25	64
10"	14	37

Plastic Azalea Pots		
4"	198	470
6"	50	130
8"	23	57

Pot Size	Pots per 2.8 cf bag	Pots per 3.8 cf bale
Plastic Nursery Containers		
1 gal	21	49
2 gal	11	28
3 gal	9	18

Bedding Plant Containers		
Stan. Flat	14	32
24 cell	34	80
48 cell	23	55
50 cell	24	57
72 cell	33	77

Ornamental Plugs (sq. cells)		
406 cell	93	220
512 cell	74	175

Speedling® Trays		
128 cell	15	36
200 cell	21	50
338 cell	31	73

This chart is a general guide. These measurements are approximate; they will vary depending on the pot manufacturer and the grower's handling of the product.

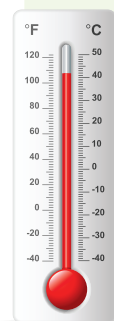
Metric Conversions

Gallons		
x 3785.0	=	millilitres
x 0.13370	=	cubic feet
x 3.78530	=	litres
Grams		
x 0.03527	=	ounces
Litres		
x 33.81400	=	fluid ounces
x 1.05669	=	quarts
x 0.26420	=	gallons
Ounces		
x 28.34952	=	grams
Ounces (fluid)		
x 29.57353	=	millilitres
x 0.02957	=	litres
Pints (fluid)		
x 473.17647	=	millilitres
x 0.47318	=	litres
Pounds		
x 453.59237	=	grams
Quarts (dry)		
x 67.20060	=	cubic inches
Quarts (fluid)		
x 946.35800	=	millilitres
x 0.94636	=	litres

Liquid Conversions

1 pt./100 gal.	=	1 tsp./gal.
1 qt./100 gal.	=	2 tsp./gal.
1 teaspoon	=	1/3 tbsp. or 1/6 ounce
1 tablespoon	=	3 tsp. or 1/2 ounce
1 fluid ounce	=	2 tbsp. or 6 tsp.
1 cup	=	8 ounces, 1/2 pint, 16 tbsp. or 48 tsp.
1 quart	=	32 ounces, 4 cups, 2 pints or 64 tbsp.
1 gallon	=	4 quarts, 8 pints, 16 cups or 128 ounces

Temperature Conversions



Fahrenheit to Celsius:

Subtract 32 and multiply by 0.55,
thus 68°F = 20°C.

Celsius to Fahrenheit:

Multiply by 1.8 and add 32,
thus 60°C = 140°F.

F° = Degrees in Fahrenheit
C° = Degrees in Celsius

Fertilizer Concentrate Calculation

To determine how many pounds of fertilizer to use to make one gallon of concentrate at your desired parts per million (ppm), use the following formula: Multiply your desired ppm of Nitrogen by your injector ratio and divide that by the percentage of Nitrogen in the fertilizer, expressed as a decimal, times 120,000.

For example, you want to feed at 250 ppm using 20-9-20 with a 1:100 injector.

$$\frac{\text{Desired ppm} \times \text{Injector ratio}}{\% \text{ N as a decimal} \times 120,000} = \frac{250 \times 100}{.20 \times 120,000} = 1.04$$

The answer (1.04) is the number of pounds of fertilizer to use per gallon of concentrate.

For a diluted tank mix, the injector ratio is 1.

NOTE: When making your fertilizer concentrate, always put the fertilizer in the bucket first and then add water to bring it up to the desired number of gallons.