



Technical Information

Cleary Chemical - 800-524-1662 - www.clearychemical.com

Common Conversions

Conversion Table

Multiply	To Obtain
Cubic Feet by 7.48052	Gallons
Cubic feet by 28.32	Liters
Gallons by 0.1337	Cubic Feet
Gallons by 3.785	Liters
Gls Water by 8.3453	Lbs.of Water
Grams by 0.03527	Ounces
Grams by 0.002205	Pounds
Liters by 0.2642	Gallons
Liters by 2.113	Pints(liq)
Liters by 1.057	Quarts(liq)
Liters by 33.814	Ounces(liq)
Ounces by 2	Tablespoons (liq)
Ounces by 6	teaspoons(liq)
Ounces by 3	Tablespoons(dry)
Ounces by 9	teaspoons(dry)
Ounces by 28.349527	Grams
Ounces(liq) by 0.02957	Liters
Pints(liq) by 0.47318	Liters
Pounds of Water by	Gallons
Quarts(liq) by 0.946333	Liters
Tablespoons(liq) by 0.5	Ounces
Tablespoons(dry) by 0.3333	Ounces
Teaspoons(liq) by 0.1666	Ounces
Teaspoons(dry) by 0.1111	Ounces

Rate of Application Equivalents

Liquid Materials

Rate per acre	Rate per 1000sq ft	Rate per 100sq ft
1 pt	3/4 T	1/4 T
1 qt	1-1/2 T	1/2 T
1 gal	6 T	2 T
25 gals	4-1/2 pts	1/2 pt
50 gals	4-1/2 qts	1 pt
100 gals	9 qts	2 pts
200 gals	4-1/2 gals	2 qts

Dry Materials

Rate per acre	Rate per 1000sq ft	Rate per 100sq ft
1 lb	2-1/4 t	1/4 t
3 lbs	2-1/4 T	3/4 t
4 lbs	3 T	1 t
5 lbs	4 T	1-1/4 t
10 lbs	1/2 cup	2-1/2 t
100 lbs	2-1/4 lbs	1/4 lb
200 lbs	4- 1/2 lbs	1/2 lb

Temperature

To convert Fahrenheit to Centigrades (Celsius):
 Subtract 32 and multiply by .55
 (68°F minus 32 x .55 = 20°)
 To convert Centigrade to Fahrenheit:
 Multiply by 1.8 and add 32
 (20° C x 1.8+32 = 68° F)

Square Measure

144 sq. inches = 1 square foot
 9 sq. feet = 1 square yard
 43,560 sq feet = 1 acre

Pesticide Equivalent Table

Most Pesticides give directions for using the chemical in 100gals of water.
 Use the following table to determine the quantity when using less than 100gals of spray material.

For Liquids

100 Gals	25 Gals	12 1/2 Gals	Gals 5	1 Gal
2 gals	2qt	1 qt	12-7/8oz	2-1/2oz
1 gal	1qt	1pt	6-1/2oz	1-1/4oz
2qts	1pt	8oz	3-1/4oz	5/8oz
1qt	1/2 pt	4oz	1-9/16oz	5/16oz
1-1/2pt	6oz	3oz	1-1/4oz	1/4oz
1pt	4oz	2oz	7/8oz	3/16oz
8oz	2oz	1oz	7/16oz	1/2tsp
4oz	1oz	1/2oz	1/4oz	1/4tsp

For Solids

100 Gals	25 Gals	12 1/2 Gals	Gals 5	1 Gal
4oz	1 oz	1-1/2 oz	3/16 oz	1/4 tsp
8oz	2 oz	1oz	3/8 oz	1/2 tsp
1 lb	4 oz	2 oz	7/8 oz	1 tsp
2 lb	8 oz	4 oz	1-3/4 oz	2 tsp
3 lb	12 oz	6 oz	2-3/8 oz	2-2/5 tsp
4 lb	1 lb	8 oz	3-1/4oz	3-4/5 tsp
5 lb	1-1/4 lb	12 oz	4 oz	4-4/5 tsp



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Parts Per Million 1oz/100gal = 75 ppm

To determine parts per million(ppm) of an element in a fertilizer, simply multiply the percent of that element by 75. The answer will be the ppm of the element per ounce of the fertilizer in 100 gallons of water.

Example: 20-10-20 contains 20% Nitrogen. 20% multiplied by 75 is 15, which is the ppm of Nitrogen in one ounce of 20-10-20 per 100 gallons of water. Therefore, if 200ppm N is desired, divide 200 by 15 = 13.3 oz of 20-10-20 are required to produce a 200 ppm N solution in 100 gals of water.

A simple formula can also be used: ppm desired divided by 75 divided by the decimal expression of nutrient desired = oz of fertilizer to use in 100gals of water.

Example: How much 20-10-20 fertilizer should you use to obtain a 200 ppm Nitrogen Solution?

200ppm divided by 75.20 = 13.3 oz/100gals water

Volume Guide

AZALEA POTS		
Pot Size	Approximate Dimensions Top x Depth x Bottom	Pots Per Cu. FT. Mix
4"	4 x 2-13/16 x 3	56
4 1/2"	4-1/2 x 3-3/8 x 3-1/4	44
5"	5 x 3 13/16 x 3-9/16	28
5 1/2"	5-1/2 x 4-1/4 x 3-7/8	24
6"	6 x 4-5/8 x 4-1/4	18
6 1/2"	6-1/2 x 5 x 4-9/16	16
7"	6-7/8 x 5-3/8 x 5-1/16	12
7 1/2"	7-3/8 x 5-11/16..5-3/8	10
8"	8-1/8 x 5-7/8 x 6	7
10"	9-7/8 x 7-3/8 x 7-1/4	4
GERANIUM POTS		
4"	3-15/16 x 3-7/16 x 2-7/8	56
4-1/2"	4-3/8 x 3-7/8 x 3	44
SQUARE POTS		
3"	2-3/4 x 2-1/4 x 2-1/8	128
4"	3-5/8 x 3-1/8 x 2-7/8	56
4-1/2"	4-1/8 x 3-5/8 x 3-1/4	40

STANDARD ROUND POTS		
Pot Size	Approximate Dimensions Top x Depth x Bottom	Pots Per Cu. FT. Mix
3	3 x 2-13/16 x 2-1/4	120
3 1/2	3-3/8 x 3-3/16 x 2-3/8	80
4"	4 x 3-7/8 x 2-3/4	48
4 1/2"	4-3/8..4-3/8 x 3	40
5"	5 x 3-1/2 x 4-15/16	28
5 1/2"	5-1/2 x 5-3/8 x 3-13/16	20
6"	6 x 5-3/4 x 4-1/16	16
7"	6-3/4 x 7-3/4 x 4-11/16	10
8"	5/8 x 7-3/4 x 5-3/8	6
10"	9-7/8..9-3/4..6-7/8	3
BULB PANS		
6"	6-1/16 x 3-9/16 x 4-9/16	24
8"	8-3/16 x 4 x 6-3/4	9
10"	10-1/4 x 4-15/16 x 8-1/8	5
HANGING BASKETS-LOCKWOOD		
8"	7-1/2 x 4-7/8..4-1/16	11
10"	10 x 6-1/8 x 4	5
WALL POT		
	10-3/16 x 4-7/8- x 6-1/16	10
STANDARD CELL PAKS		
804	2-3/8 x 2-3/8 x 2-1/4	5.6
806	1-1/2 x 2-3/8 x 2-1/4	6
1206	1-1/2..1-1/2 x 2-1/4	9.2
1804	1-1/2..1-1/2 x 2-1/4	9.2

Note :
Pot dimensions and yield figures are approximations only !