

DRY MEASURE

3 teaspoons	= 1 Tablespoon
16 Tablespoons	= 1 cup
2 cups	= 1 pint
2 pints	= 1 quart
8 quarts	= 1 peck
4 pecks	= 1 bushel

LIQUID MEASURE

50-60 drops	= 1 teaspoon
3 teaspoons	= 1 Tablespoon
2 Tablespoons	= 1 fluid ounce
8 fluid ounces	= 1 cup
2 cups	= 1 pint
2 pints	= 1 quart
4 quarts	= 1 gallon
3 1/2 gallons	= 1 barrel

SQUARE MEASURE

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

CUBIC MEASURE

1,728 cu cu in	= 1 cu ft
27 cu ft	= 1 cu yd
128 cu ft	= 1 cord (wood)
40 cu ft	= 1 ton (shipping)
2,150.42 cu in	= 1 standard bushel
231 cu in	= 1 U.S. standard gallon
1 cu ft	= about 4/5 of a bushel

LONG MEASURE

12 inches	= 1 foot
3 feet	= 1 yard
5 1/2 yards	= 1 rod
40 rods	= 1 furlong
8 furlongs	= 1 statute mile
3 nautical miles	= 1 league

LIQUID CONVERSIONS

1 pt/100 gal	= 1 tsp/gal
1 qt/100 gal	= 2 tsp/gal
1 teaspoon	= 1/3 Tbsp or 1/6 oz
1 Tablespoon	= 3 tsp or 1/2 oz
1 fluid ounce	= 2 Tbsp or 6 tsp, 1/2 pint, 16 Tbsp, 48 tsp, or 8 oz
1 quart	= 2 pints, 4 cups, 64 Tbsp, or 32 oz
1 gallon	= 4 qts, 8 pints, 16 cups, or 128 oz

USEFUL FORMULAS

To find diameter of a circle multiply circumference by .31831.

To find circumference of a circle multiply diameter by 3.1416.

To find area of a circle multiply square of diameter by .7854.

TEMPERATURE

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

To convert Centigrade to Fahrenheit: Multiply by 1.8 and add 32 (20° C x 1.8 + 32 = 68° F)

METRIC EQUIVALENTS**LINEAR MEASURE**

1 centimeter	.....	0.3937 inch
1 inch	.....	2.54 centimeters
1 decimeter	.....	3.937 in.....0.328 foot
1 foot	.....	3.048 decimeters
1 meter	.....	39.37 inches...1.0936 yds
1 yard	.....	0.9144 meter
1 kilometer	.....	0.62137 mile
1 mile	.....	1.6094 kilometers

SQUARE MEASURE

1 sq centimeter	.....	0.1550 sq inch
1 sq inch	.....	6.452 sq centimeters
1 sq decimeter	.....	0.1076 sq foot
1 sq foot	.....	9.2903 sq decimeters
1 sq meter	.....	10.764 sq ft
1 sq foot	.....	.0929 sq meters
1 sq meter	.....	1.196 sq yards
1 sq yard	.....	0.8361 sq meter
1 hectare	.....	107,636.76 sq ft
1 hectare	.....	2.471 acre
1 acre	.....	0.4047 hectare
1 sq kilometer	.....	0.386 sq mile
1 sq mile	.....	2.59 sq kilometers

MEASURE OF VOLUME

1 cu centimeter	.....	0.061 cu inch
1 cu inch	.....	16.39 cu centimeters
1 cu decimeter	.....	0.0353 cu foot
1 cu foot	.....	28.317 cu decimeters
1 cu yard	.....	0.7646 cu meter
1 liter	.....	0.908 qt (dry)...1.0567 qts (liq)
1 quart (dry)	.....	1.101 liters
1 quart (liq)	.....	0.9463 liter
1 peck	.....	0.881 dekaliter
1 hektoliter	.....	2.8378 bushels
1 bushel	.....	0.3524 hektoliter

LIQUID MEASURE

1 cup	.....	237mL
1 mL	.....	.0042 cups
1 Tablespoon	.....	14.8 mL
1 mL	.....	.0676 Tablespoons
1 teaspoon	.....	4.9 mL
1 mL	.....	.204 teaspoons

WEIGHTS

1 gram	.....	0.03527 ounce
1 ounce	.....	28.35 grams
1 kilogram	.....	2.2046 pounds
1 pound	.....	0.4536 kilogram
1 ton (U.S.)	.....	2000 pounds
1 ton (English)	.....	2240 pounds
1 metric ton	.....	2204.6 pounds

VOLUME GUIDE

POT SIZE	APPROX DIMENSIONS TOP X DEPTH X BOTTOM	POTS PER CU. FT. MIX
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AZALEA POTS

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 x 5-3/8	10
8"	8-1/8 x 5-7/8 x 6	7
10"	9-7/8 x 7-3/8 x 7/14	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

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 x 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"	7-5/8 x 7-3/4 x 5-3/8	6
10"	9-7/8 x 9-3/4 x 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 x 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 x 1-1/2 x 2-1/4	9.2
1804	1-1/2 x 1-1/2 x 2-1/4	9.2

Note: Pot dimensions and yield figures are approximations only!

PARTS PER MILLION

1 oz/100 gal = 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 1 ounce of 20-10-20 per 100 gallons of water. Therefore, if 200 ppm N is desired, divide 200 by 15 = 13.3 oz. 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 100 gals water.

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

$$\frac{200 \text{ ppm}}{75} \div .20 = 13.3 \text{ oz/100 gals of water}$$

