

1 Cubic Yard	Coverage
1/4"	1296 sq ft
1/2"	648 sq ft
1"	324 sq ft
2"	162 sq ft
3"	108 sq ft

1 Cubic Foot	Coverage
1/4"	48 sq ft
1/2"	24 sq ft
1"	12 sq ft

Cubic Yard	1 cu ft
0.035	1 bag
0.075	2 bags
0.11	3 bags
0.145	4 bags
0.185	5 bags
0.22	6 bags
0.26	7 bags
0.295	8 bags
0.33	9 bags
0.37	10 bags

Cubic Yard	1.5 cu ft
0.05	1 bag
0.11	2 bags
0.16	3 bags
0.22	4 bags
0.27	5 bags
0.33	6 bags
0.38	7 bags
0.44	8 bags
0.5	9 bags
0.55	10 bags

Cubic Yard	2 cu ft
0.07	1 bag
0.15	2 bags
0.22	3 bags
0.29	4 bags
0.37	5 bags
0.44	6 bags
0.52	7 bags
0.59	8 bags
0.66	9 bags
0.74	10 bags

Conversions

- 1 tablespoon..... 3 teaspoons
- 1 ounce 2 tablespoons
- 1 cup 8 ounces
- 1 pint 16 ounces
- 1 quart 32 ounces
- 1 gallon 128 ounces (4 quarts)
- 1/2 cubic foot 3.75 gallons
- 1 cubic foot 7.5 gallons

Mixing small amounts of Liquid Product

$$P / 128 \text{ (oz)} \times DV \text{ (oz)} = P1$$

P = Amount of product per gallon
 DV = Desired Volume
 P1 = Amount of product per new volume

Example) The fertilizer dilution rate is 1 oz / gallon, but I dont need that much. How much will I need to add to only mix up 1 qt (32 oz)?
 $1 / 128 \times 32 = 0.25 \text{ oz or } 1/2 \text{ tbs per quart}$

Soil Test Fertilizer Calculation

$$X / Y = Z$$

X = lbs of element needed for set area
 Y = % of element in bag (of desired fert.) as a decimal
 (ex. 12 % N = 0.12)
 Z = lbs of fertilizer needed for the same set area as X

Example) If the soil test recommends 2 lbs of Nitrogen per 1,000 sq ft. and we are going to use 8-2-4 how much do we need for 1,000 sq ft?
 $2 / 0.08 = 25 \text{ lbs}$

Cubic Yard Calculations

Square or Rectangle

$$\frac{\text{Length (ft)} \times \text{Width (ft)} \times \text{Depth (in)}}{324} = \text{Cu Yards}$$

Circle

$$\frac{3.14 \times \text{Radius (ft)} \times \text{Radius (ft)} \times \text{Depth (in)}}{324} = \text{Cu Yards}$$

Triangle

$$\frac{[(\text{Length (ft)} \times \text{Width (ft)}) / 2] \times \text{Depth (in)}}{324} = \text{Cu Yards}$$

Oval

$$\frac{\text{Length (ft)} \times \text{Width (ft)} \times 0.8 \times \text{Depth (in)}}{324} = \text{Cu Yards}$$