



KINGSTON COMMUNITY GARDENS NETWORK

Figuring out soil volumes:

To figure out how much volume of topsoil, mulch, compost, or gravel to order, you need to find the volume.

How to figure it: Length x width x depth = volume

Take the area (length x width) and then decide how deep you want it and multiply by that number to get the cubic measurement (volume).

It sounds easy, but there's a little wrinkle. Chances are you've figured your depth in inches (or centimeters), but your length and width in feet (or meters). If so, you have to convert the inches to parts of a foot so that everything is in the same unit of measurement. Just divide the number of inches by 12. If you are working in metric it is much easier--just move the decimal point.

Here's how it looks:

1"=0.08ft 2"=0.15ft 3"=0.25ft 4"=0.33ft 5"=0.42ft 6" = 0.5 ft

For Example

7"=0.58ft 8"=0.66ft 9"=0.75ft 10" = 0.83 ft 11" = 0.92 12"=1.0ft

You want 3 inches of soil on an area of 50 ft x 70 ft • $50 \times 70 = 3500 \text{sqft}$ •

Multiply that area by depth of 0.33 (3") = 1155 cubic feet

! But soil is sold in cubic yards, not cubic feet. You'll have to convert.

How to figure it: cubic feet divided by 27 (that's because one cubic yard is 3' x3' x 3' = 27) *For Example:* $1155 / 27 = 42.78$ cubic yards.