

How Much Soil?

A Garden Guide



Depending on the manufacturer, pots come in a range of sizes, even within a category of size. For instance, a 3 gallon pot can have a volume ranging from 628-743 cubic inches. Our math is based on the 2014 American National Standards Institute - American Standards for Nursery Stock guidelines. Due to this range, **all measurements are approximate.**

3 cubic foot bag

- 5 gallon x 4
- 3 gallon x 7
- 1 trade gallon x 22
- 4" pots x 126
- 804 tray (32 cells) x 15

2 cubic foot bag

- 5 gallon x 2
- 3 gallon x 4
- 1 trade gallon x 13
- 4" pots x 54
- 804 tray (32 cells) x 10

1 cubic foot bag

- 5 gallon x 1
- 3 gallon x 2
- 1 trade gallon x 6
- 4" pots x 27
- 804 tray (32 cells) x 5

5 gallon container = 20 quarts

3 gallon container = 12 quarts

1 trade gallon =

3 quarts

27 cubic feet = 1 cubic yard

One cubic yard of soil/mulch covers 100 square feet at a 2 inch depth

How to calculate the amount of soil needed for a raised bed:

1. Measure the length, width and depth of the raised garden bed in feet or inches.
2. Divide any of the dimensions you measured in inches by 12 to convert them to feet. For example, for a bed that is 48 inches by 96 inches by 12 inches, divide each number by 12. This equals a bed that is 4 feet by 8 feet by 1 foot.
3. Multiply the length by the width by the depth. All the units of measurements must be in feet. For example, a raised garden bed that is 4 feet by 8 feet by 1 foot equals 32 cubic feet. Vers. 1.0 Aug 21

