SOIL/AMENDMENT/MULCH QUANTITIES

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Surprisingly large amounts of mulch, topsoil, peat moss, compost, or sand are needed to cover an area of garden. This chart will help gardeners determine how much to purchase and whether it is more economical to buy in bulk or by the bag.

Depth of Amendment	Volume/100 sq. ft.	Volume/1000 sq. ft.
1/4 in.	2 cu. ft.	21 cu. ft. (3/4 cu. yd.)
1/2 in.	4 cu. ft.	42 cu. ft. (1 1/2 cu. yd.)
1 in.	8 cu. ft.	83 cu. ft. (3 cu. yd.)
2 in.	17 cu. ft.	167 cu. ft. (6 1/4 cu. yd.)
3 in.	25 cu. ft.	250 cu. ft. (9 1/4 cu. yd.)
4 in.	33 cu. ft.	333 cu. ft. (12 1/3 cu. yd.)

(Amounts are approximate)

Formulas:
cu. ft. of mulch/amendment = area to cover (sq. ft.) x depth of mulch (in.) ÷ 12

cu. yd. of mulch/amendment = area to cover (sq. ft.) x depth of mulch (in.) ÷ 324

Relative Amounts:
144 cu. in. = 1 cu. ft.

27 cu. ft. = 1 cu. yd.

Average medium to large dump truck capacity = 5-7 cu. yd.

Number of 2 cu. ft. bags to cover 1000 sq. ft. 3 in. deep = **125** (about 9 1/4 cu. yd.)
      1 cu. ft. covers 12 sq. ft. at a depth of 1 inch
      1 cu. ft. covers 4 sq. ft. at a depth of 3 inches
      One 2 cu. ft. bag covers 8 sq. ft. at a depth of 3 inches

Abbreviations:
in. = inches   sq. ft. = square feet   cu. yd. = cubic yards
cu. ft. = cubic feet