Cubic Yard Coverage Chart

How many square feet a given number of cubic yards covers at each depth. Works for any loose material: mulch, topsoil, gravel, sand or dirt. Loose volume, before settling or compaction.

Cubic yards	1 in deep (ft²)	2 in deep (ft²)	3 in deep (ft²)	4 in deep (ft²)	6 in deep (ft²)
0.5	162	81	54	41	27
1	324	162	108	81	54
2	648	324	216	162	108
3	972	486	324	243	162
4	1,296	648	432	324	216
5	1,620	810	540	405	270
6	1,944	972	648	486	324
8	2,592	1,296	864	648	432
10	3,240	1,620	1,080	810	540
12	3,888	1,944	1,296	972	648
15	4,860	2,430	1,620	1,215	810
20	6,480	3,240	2,160	1,620	1,080

Formulas

- Cubic yards = length (ft) × width (ft) × depth (in) ÷ 12 ÷ 27
- Area covered (ft²) = cubic yards × 27 ÷ (depth in inches ÷ 12)
- Depth (in) = cubic yards × 27 ÷ area (ft²) × 12

Exact conversions

- 1 cubic yard = 3 ft × 3 ft × 3 ft = 27 cubic feet = 0.7646 cubic meters
- 1 square yard = 9 square feet · 1 foot = 12 inches · 1 short ton = 2,000 lb
- Common mistake: depth must be in inches ÷ 12. A depth entered in feet makes an order 12 times too big.

Estimate only — confirm quantities with your supplier before ordering. Values checked November 16, 2026. Free calculators and the full source list: yardcalculator.net/