

Determining Area and Cubic Yards at Your Site

Estimating Square Footage

Average parking space: 150 – 200 sq. ft.
 Olympic-sized swimming pool: 13,448 sq. ft. (82' x 164')
 One acre: 43,560 sq. ft.
 Football field: 57,600 sq. ft. (160' x 360')
 One hectare (10,000 sq. m.): 107,639 sq. ft.

Converting Square Feet into Acres

1 acre = 43,560 square feet (1 acre measures 208.71 ft. x 208.71 ft.)

Example: You have a restoration area that is 7,850 square feet.
 $7,850 \text{ square feet} \div 43,560 \text{ square feet} = 0.18 \text{ acres}$

Calculating Cubic Yards

1 cubic yard = 27 cubic feet. To convert cubic feet to cubic yards:
 $\text{number of cubic feet} \div 27 \text{ cubic feet} = \text{number of cubic yards}$

Example: You have an area of 1,000 square feet and you want to cover it with four inches (0.33 feet) of mulch.

$1,000 \text{ square feet} \times 0.33 \text{ feet (depth of the mulch)} = 330 \text{ cubic feet}$
 $330 \text{ cubic feet} \div 27 \text{ cubic feet} = 12.2 \text{ cubic yards}$

Cubic Yards Calculator

If you don't want to go through all the calculations above:

| Square Feet | Depth 3 inches | Depth 4 inches | Depth 5 inches | Depth 6 inches | Depth 7 inches | Depth 8 inches |
|-------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 100 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/4 | 2-1/2 |
| 150 | 1-1/2 | 2 | 2-1/2 | 2-3/4 | 3-1/4 | 3-3/4 |
| 200 | 2 | 2-1/2 | 3 | 3-3/4 | 4-1/2 | 5 |
| 250 | 2-1/2 | 3 | 4 | 4-3/4 | 5-1/2 | 6-1/4 |
| 300 | 2-3/4 | 3-3/4 | 4-3/4 | 5-1/2 | 6-1/2 | 7-1/2 |
| 350 | 3-1/4 | 4-1/2 | 5-1/2 | 6-1/2 | 7-3/4 | 8-3/4 |
| 400 | 3-3/4 | 5 | 6-1/4 | 7-1/2 | 8-3/4 | 10 |
| 450 | 4-1/4 | 5-3/4 | 7 | 8-1/2 | 9-3/4 | 11-1/4 |
| 500 | 4-3/4 | 6-1/4 | 7-3/4 | 9-1/4 | 10-3/4 | 12-1/2 |
| 600 | 5-3/4 | 7-1/2 | 9-1/4 | 11-3/4 | 13 | 15 |
| 700 | 6-1/2 | 8-3/4 | 11 | 13 | 15-1/4 | 17-1/4 |
| 800 | 7-1/2 | 10 | 12-1/2 | 15 | 17-1/2 | 20 |
| 900 | 8-1/2 | 11-1/4 | 14 | 16-3/4 | 19-1/2 | 22-1/4 |
| 1,000 | 9-1/2 | 12-1/2 | 15-1/2 | 18-1/2 | 21-3/4 | 24-3/4 |
| 2,000 | 18-1/2 | 24-3/4 | 31 | 37 | 43-1/4 | 49-1/2 |
| 3,000 | 28 | 37 | 46-1/2 | 55-3/4 | 65 | 74 |