

Gravel Coverage Chart: Square Feet per Ton & Yards per 100 sq ft

How much area a ton of gravel covers at each depth, how many cubic yards 100 sq ft takes, and the bags you would need instead. With the formulas to do your own.

Coverage by depth

Depth	Cubic yards per 100 sq ft	Sq ft per ton: 1.35 t/yd ³ (pea gravel, river rock)	Sq ft per ton: 1.4 t/yd ³ (#57, DG)	Sq ft per ton: 1.5 t/yd ³ (crusher run)	50 lb bags (0.5 cu ft) per 100 sq ft
2"	0.62	120	116	108	33
3"	0.93	80	77	72	50
4"	1.23	60	58	54	67
6"	1.85	40	39	36	100

Before waste. Add 10% for settling and compaction (15% for a driveway over soft ground).

The formulas

To find	Do this
Cubic yards	Length (ft) × width (ft) × depth (in) ÷ 12 ÷ 27
Tons	Cubic yards × tons per cubic yard (see the size chart)
Cubic yards from tons	Tons ÷ tons per cubic yard
Sq ft one ton covers	27 × 12 ÷ depth (in) ÷ tons per cubic yard
50 lb bags	Cubic yards × 27 ÷ 0.5, rounded up
Truck loads	Tons ÷ load size (our default is a 12-ton tandem), rounded up

Worked example

A 30 × 12 ft path, 3 in deep: $30 \times 12 \times 3 \div 12 \div 27 = 3.33$ cubic yards. In #57 stone at 1.4 tons per yard that is 4.67 tons, or 5.13 tons with 10% extra. Bagged, it would be 180 bags of 50 lb, which is why bulk delivery wins beyond a small bed.

Your project

Length (ft)		Width (ft)	
Depth (in)		Cubic yards	
Stone / tons per yd ³		Tons + 10%	
Price per ton		Delivery fee	