

Cubic Yard Cheat Sheet

Volume • weight • bags • coverage — one page, tape it to the truck dash.

Material weight per cubic yard

Material	lbs / yd ³	tons / yd ³
Concrete (ready-mix)	4,050	2.02
Gravel (crushed stone)	2,800	1.40
Fill dirt (screened)	2,200	1.10
Topsoil (screened)	2,400	1.20
Mulch (bark/hardwood)	800	0.40
Sand (mason/concrete)	2,700	1.35
Rock (landscape mix)	4,500	2.25
Garden soil	2,400	1.20
Hot-mix asphalt	3,915	1.96

Bags per cubic yard

Bag size	Bags per yd ³
80 lb bags	45
60 lb bags	60
50 lb bags	72
40 lb bags	90
90 lb bags	40
Mulch	Bags per yd ³
2 cu ft bags	13.5
3 cu ft bags	9

1 yd³ coverage at depth

Depth	1 yd ³ covers
1"	324 sq ft
2"	162 sq ft
3"	108 sq ft
4"	81 sq ft
6"	54 sq ft
12"	27 sq ft

Conversions

Conversion	Equals
1 cubic yard (yd ³)	27 cubic feet (ft ³)
1 cubic yard (yd ³)	0.7646 cubic metres (m ³)
1 cubic foot (ft ³)	0.0283 cubic metres (m ³)
1 short ton	0.9072 tonnes
1 square yard (yd ²)	0.8361 square metres (m ²)
1 square metre (m ²)	1.1960 square yards (yd ²)

Core formula

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cubic yards = length(ft) × width(ft) × depth(ft) ÷ 27

Order with a **10% overage**: measure exactly, then multiply by 1.1 — cheaper than a second delivery. Depth in inches ÷ 12 = depth in feet (4" = 0.333 ft, 6" = 0.5 ft).

cubicyardcalculator.site — verify against your supplier