Bag Conversion Chart

How many bags make a cubic yard, for bagged mulch, soil and sand sold by volume, and for bagged concrete mix sold by weight. Counts are rounded up.

Bags sold by volume (mulch, soil, sand)

Bag size (cu ft)	Liters	Bags per yd³	For 1 yd³	For 2 yd³	For 3 yd³	For 5 yd³	One bag covers at 3 in (ft²)
0.5	14.2	54	54	108	162	270	2
0.75	21.2	36	36	72	108	180	3
1	28.3	27	27	54	81	135	4
1.5	42.5	18	18	36	54	90	6
2	56.6	13.5	14	27	41	68	8
2.5	70.8	10.8	11	22	33	54	10
3	85	9	9	18	27	45	12

Bagged concrete mix

Bag	Yield per bag (cu ft)	Bags per cubic yard
40 lb	0.3	90
50 lb	0.375	72
60 lb	0.45	60
80 lb	0.6	45
90 lb	0.675	40

Concrete yields as printed by The QUIKRETE Companies and Sakrete (CRH) for their mixes (read 2026-11-11). The yield is the volume of mixed concrete a bag makes, not the dry bag size. Check the label on the bag you buy.

Formulas

- Bags per cubic yard = 27 ÷ bag size in cubic feet
- Bags needed = cubic yards × 27 ÷ bag size, rounded up
- Liters to cubic feet: divide by 28.317

Estimate only — confirm quantities with your supplier before ordering. Values checked November 16, 2026. Free calculators and the full source list: yardcalculator.net/guides/bags-of-mulch-in-a-yard/