

Approximate Solid Waste Generation Guidelines

| Classification | Building Types | Quantities of Waste Generated |
|-----------------------------|-------------------------|--|
| Apartments | Singles or no children | 1 - 1½ cubic yard per unit per month |
| | Family | 1½ - 2 cubic yard per unit per month |
| Commercial Buildings | Office | 1 cubic yard per 10,000 sq. ft. per day |
| | Department Store | 1 cubic yard 2,500 sq. ft. per day |
| | Shopping Centers | Varies with type of tenant handled |
| | Supermarkets | 1 cubic yard per 1,250 sq. ft. per day |
| | Restaurants | Varies w/no of meals served & type of food |
| | Drugstores | 1 cubic yard per 2,000 sq. ft. per day |
| | Banks | Survey required |
| Hotels & Motels | High Occupancy | ½ cubic yard per room per week & restaurants |
| | Average Occupancy | 1/6 cubic yard per room per week & restaurants |
| Warehouses | | Varies with type of activity |
| Factories | | Varies with type of activity |
| Institutions | Hospitals | 1 cubic yard per five occupied beds per day |
| | Nursing Homes | 1 cubic yard per fifteen persons per day |
| | Rest & Retirement Homes | 1 cubic yard per twenty persons per day |
| Schools | Grade Schools | 1 cubic yard per eight rooms per day |
| | High Schools | 1 cubic yard per ten rooms per day |
| | Universities | Survey required |

Conversion Table For Cubic Foot Volume

| | |
|-------------------------------------|------------------|
| Garbage Can 18" diameter x 24" deep | 3.6 cubic feet |
| Garbage Can 16" diameter x 22" deep | 2.0 cubic feet |
| Bushel Basket – Standard | 1.24 cubic feet |
| Barrel (U.S. Standard) | 5.08 cubic feet |
| 7½ Gallons | 1.0 cubic feet |
| 1 Gallon | 0.134 cubic feet |
| 55 Barrel Oil Drum | 7.0 cubic feet |

One Cubic Yard Equivalent

- 27 cubic feet = one cubic yard
- 1 cubic yard is equal to 203 gallons
- 1 cubic yard is approximately four 55-gallon drums
- 1 cubic yard is approximately eleven 20-gallon cans
- 1 cubic yard is approximately seven 30-gallon cans

Calculation

To find container capacity in cubic yards:

$$\text{Formula: } \frac{L \times W \times H}{27} = \text{Cubic Yards}$$

L = Length (in feet)
W = Width (in feet)
H = Side Height (in feet)