Volume-To-Weight Conversion Chart

The following conversion estimates are approved for schools to use in the RecycleMania competition. For questions about the conversion chart or estimating weights, email or call the helpline, recyclemania@nrc-recycle.org or (202)-903-0851.

Unless otherwise noted, all figures are from averaged ranges published in *Measuring Recycling: A Guide for State and Local Governments,* by U.S. Environmental Protection Agency; Washington: 1997.

1. "Recycling Data Report," California Integrated Waste Management Board; Sacramento: 1996.
2. Based on CURC Standards Committee, peer reviewed estimates.
3. Based on RecycleMania Steering Committee estimates

Paper (All grades loose and unbaled)

Newspaper:	433 pounds/cubic yard	4.62 cubic yards/ton
Office paper:	568 pounds/cubic yard	3.52 cubic yards/ton
Mixed paper: 1	484 pounds/cubic yard	4.13 cubic yards/ton
Magazines	950 pounds/ cubic yard	2.11 cubic yards/ton

Corrugated Cardboard

Flattened boxes, loose:	100 pounds/cubic yard	20 cubic yards/ton

Containers (cans, bottles, jars)

Commingled cans, glass and plastic bottles:	200 pounds/cubic yard	10 cubic yards/ton
Whole glass bottles (0-10% broken):	600 pounds/cubic yard	3.33 cubic yards/ton
Aluminum cans (whole, unflattened):	63 pounds/cubic yard	31.75 cubic yards/ton
Steel cans (whole, unflattened):	150 pounds/cubic yard	13.33 cubic yards/ton
Plastic bottles (whole, unflattened):	36 pounds/cubic yard	55.55 cubic yards/ton

Single Stream

(Containers, paper, cardboard) 3	139 lbs/ cubic yard	15.46 cubic yards/ton

Food Waste

Mixed food waster	1,500 pounds/cubic yard	1.33 cubic yards/ton

Trash

Campus waste (loose) 2	90 pounds/cubic yard	22.22 cubic yards/ton
Campus Waste (compacted)	300 pounds/ cubic yard	6.67 cubic yards/ton
Residential waste (loose)	225 pounds/cubic yard	8.88 cubic yards/ton
Commercial/industrial waste (loose)	450 pounds/cubic yard	4.44 cubic yards/ton

Volume Conversion

1 yard^3 = 173.57 gallons

1 gallon = 0.00576 yard^3