

Conversion Table for Recycled Materials

Department of the Interior Conversion Factors
Revised: July 2015

Type of Waste	Cubic Yards Compacted	Cubic Yards Uncompacted	Gallons	Each
Aluminum	340	62		
Antifreeze			9.30	
Asphalt		1,400		
Batteries (Lead/Acid – Car)			39.40	
Batteries (Lead/Acid – Truck)			53.30	
Batteries (NiCd Rechargeable)			0.25	
Brick	3,024	1,400		
Cardboard	400	100		
Carpet	600	600		
Ceiling Tiles	175	175		0.26
Computers – Desktop (PC)				26.00
Computers – Notebook (Laptop)				7.00
Computers - Keyboard				3.00
Computers – Monitors (CRT)				31.00
Computers – Printer (Personal Printer)				29.00
Computers – Toner Cartridge				1.00
Concrete	3,000	1,800		
Construction and Demolition Waste (Mixed)		900		
Drywall		700		
Fluorescent Lamps				0.50
Fluorescent Light Ballasts				3.00
Food Waste		1,500		
Glass	1,800	600		
Grass Clippings (via Grasscycling)	600	400		

Type of Waste	Cubic Yards Compacted	Cubic Yards Uncompacted	Gallons	Each
Green Waste (Plant Matter)	650	50		
Manure	1,200	1,200		
Pallets	300			40.00
Paper (Mixed)	755	380		
Paper (Newspaper)	860	430		
Paper (White)	755	420		
Plastic (#1PET / #2HDPE)	650	50		
Scrap Metals		900		
Solid Waste, Co-mingled (glass, aluminum cans, plastic, etc.)		180		
Solid Waste, Single-stream Mixed Recyclables ¹		139		
Solid Waste, Non-Diverted, Non-hazardous, Non-C&D Waste ²	600	250		
Steel Cans	850	150		
Television (CRT)				49.00
Used Oil			7.34	
Tires - Car				21.00
Tires - Truck				70.00
Wood Chips		500		

Note: These figures are estimates, however, when trying to determine the amount of materials generated, please try to stick to these conversions so that all figures are reported in a similar fashion.

¹ Single-stream mixed recyclables are non-hazardous solid wastes collected in a single receptacle and are usually of similar composition where mixing them is allowed by a local recycling authority. Examples include marked recycling receptacles in offices, visitor centers, etc. They include mixes, such as steel and aluminum cans, glass and plastic bottles, mixed paper and cardboard, etc.

² This is general trash not sorted in any way.