



ATTACHMENT B

MEASUREMENT STANDARDS AND REPORTING GUIDELINES



<u>Material</u>	<u>Volume/Count</u>	<u>Weight (Tons)</u>	<u>Weight (Pounds)</u>
Aluminum cans	Case(24),12 oz(32 cans = 1lb)	.0004	.750
Aluminum cans	1 full store collection bag	.009	18
Aluminum cans, whole	1 cubic yard	.031	50-74
Aluminum cans, compacted	1 cubic yard	0.125-0.215	250-430
Ferrous cans, whole	1 cubic yard	.075	150
Ferrous cans, flattened	1 cubic yard	.425	850
Beer bottles (refillable)	Case (24 bottles)	.006	12
Beer bottles	Case (24), 22 oz	.0112	22.5
Glass, whole bottles	Case (24), 12 oz.	.008	16
Glass, whole bottles	Case (24), 16 oz.	.0125	25
Glass, whole bottles	Case (12), 40 oz.	.0112	22.5
Glass, whole bottles	1 cubic yard	.400	600-1,000
Glass, semi-crushed	1 cubic yard	.700	1,000-1,800
PET soda bottles	Case (24), 20 oz	.0013	2.5
PET bottles (water)	Case (15), 1.5 liter	.0007	1.4
PET soda bottles, whole, loose	1 cubic yard	.018	30-40
PET soda bottles, whole, loose	Gaylord ¹	.023	40-53
PET soda bottles, baled	30" x 62"	.250	515
PET soda bottles, granulated	Gaylord	.360	700-750
Film, baled	30" x 42" x 48"	.550	1,100
HDPE milk jugs, whole, loose	6-7 gallon jugs	.0005	1
HDPE milk jugs, baled	32" x 60"	.225	400-500
HDPE (mixed), granulated	Gaylord	.450	800-1,000
Newsprint, loose	1 cubic yard	.29	360-800
Newsprint, compacted	1 cubic yard	.43	720-1,000
Corrugated cardboard, loose	1 cubic yard	.15	300
Corrugated cardboard, baled	1 cubic yard	.55	1,000-1,200
HI-Grade Paper-stacked/uncom	1 cubic yard	0.188-0.233	375-465
HI-Grade Paper-stacked/comp	1 cubic yard	0.378-0.463	755-925
Mixed Waste Paper-uncompact	1 cubic yard	0.055-0.19	110-380
Mixed Waste Paper-compacted	1 cubic yard	0.305-0.378	610-755
Milk cartons	1 cubic yard	.022	45
Grass clippings	1 cubic yard	.475	400-1,500 ²
Leaves	1 cubic yard	.1875	250-500

¹Gaylord size most commonly used: 40" X 48" x 36"

²Yard waste densities are especially variable between communities and in different seasons because of differences in types of foliage, moisture, and humidity. The 1,500 density factor for grass is based on program experience in Minnesota.



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<u>Material</u>	<u>Volume/Count</u>	<u>Weight (Tons)</u>	<u>Weight (Pounds)</u>
Yard debris, loose	1 cubic yard	.125	250 ³
Yard debris, compacted	1 cubic yard	.32	640
Wood collected at landfills	1 cubic yard	.125	250
Wood chips, green	1 cubic yard	.236	472.97
Wood chips, dry	1 cubic yard	.121	243.25
Wood, cord	1 cubic yard	.25	500
Wood pallet	1	.0125	25
Christmas trees	1 cubic yard (loose)	.06	30
Sawdust, wet	1 cubic yard	.265	530
Sawdust, dry	1 cubic yard	.1375	275
Gypsum	1 cubic yard	.31	620
Lead acid battery	1	.018	35.9
Used motor oil	1 gallon	.0037	7.4
Oil filters	1 drum, crushed	.35	700
Oil filters	1 drum, uncrushed	.087	175
Oil filters	1 gallon	.0025	5
Tire- passenger car	1	.0117	23.4
Tire- truck, light	1	.0175	35
Tire- semi	1	.0525	105
Fluorescent tubes	4-foot tube	.00036	.72
Paint	1 gallon	.005	10
Solvents	1 gallon	.0042	8.42
Antifreeze	1 gallon	.0042	8.42
Appliances:			
Stove	1	.075	150
Dryer	1	.062	125
Washer	1	.075	150
Refrigerator	1	.125	250
Dishwasher	1	.062	125
Electronics			
TV CRT < 19 inch	1	.021	41
TV CRT > 19 inch	1	.037	73
TV Flat Panel	1	.015	29
Desktop Computer	1	.011	22
Portable Computer	1	.004	7
CRT Monitor	1	.02	40
Flat Panel Monitor	1	.012	24

Revised 12/18/2007 by the Oregon Department of Environmental Quality

³Uncompacted yard debris varies a great deal in weight. The figure of 250 pounds per cubic yard may be high for a lot of uncompacted yard debris. Loose piles may weigh as little as 100 pounds per cubic yard. Use your best judgment in using these conversions (100 pounds per cubic yard = .05 tons a cubic yard).