

**Warren Wilson College  
Recycling & Solid Waste Statistics  
For Fiscal Years 2002-2006**

<b>MATERIAL</b>	<b>TONS 02-03</b>	<b>TONS 03-04</b>	<b>TONS 04-05</b>	<b>TONS 05-06</b>
Trash	286.4900	303.9200	357.5800	310.7000
Recycling	147.2366	153.8103	137.1344	134.9127
Compost	31.6000	51.4950	0	56.8930 <sup>1</sup>
Reusables	1.4230	1.9462	2.9548	2.1081
<b>TOTAL WASTE STREAM</b>	<b>466.7496</b>	<b>511.1715</b>	<b>497.6692</b>	<b>504.6138</b>

<b>MATERIAL</b>	<b>TONS 02-03</b>	<b>TONS 03-04</b>	<b>TONS 04-05</b>	<b>TONS 05-06</b>
Trash	286.4900	303.9200	357.5800	310.7000
Diverted Materials <sup>2</sup>	180.2596	207.2515	140.0892	193.9138
<b>TOTAL WASTE STREAM</b>	<b>466.7496</b>	<b>511.1715</b>	<b>497.6692</b>	<b>504.6138</b>
<b>Diversion Rate</b>	<b>38.62%</b>	<b>40.54%</b>	<b>28.15%</b>	<b>38.43%</b>

<sup>1</sup> 05-06 Compost Weight includes food waste and amendment, whereas 02-04 includes only food waste.

<sup>2</sup> Diverted Materials includes Recyclables, Compost, and Reusables.

## All Measured Waste Types

MATERIAL	TONS 02-03	TONS 03-04	TONS 04-05	TONS 05-06
Trash	286.4900	303.9200	357.5800	310.7000
Compost	31.6000	51.4950	0.0000 <sup>3</sup>	56.8930
Glass	35.5700	38.3600	30.5900	36.4550
Paper	44.1605	49.1300	38.3000	32.4000
Cardboard <sup>4</sup>	18.0000	24.3600	22.0000	27.6000
Scrap Metal	31.5070	23.8480	26.1615	21.3015
Plastic	3.2850	4.6650	3.7800	4.1300
Steel Cans	2.2800	3.6700	3.3900	3.5400
Appliances	6.1100	.7750	3.2345	3.0700
Computer Components	2.3830	1.6720	2.1125	2.7210
Aluminum	2.0900	1.9635	2.0500	1.8400
Clothing (reusables) <sup>5</sup>	1.1730	1.8117	2.3208	1.4148
Tires <sup>6</sup>	.8970	3.0475	3.4270 <sup>7</sup>	.8095
Toys & Household Goods (reusables) <sup>8</sup>	.2500	.1345	.6340	.6933
Pallets <sup>9</sup>	.4550	1.7063	1.0238	.5688
Cassette Tapes & Cases, CD's, Jewel Cases, Videos, 3.5" Diskettes	.0903	.2891	.2090	.1753
Fluorescent Bulbs <sup>10</sup>	.1578	.1293	.1063	.1415
Alkaline / Non-rechargeable Batteries	.1210	.1328	.0705	.1053
Rechargeable Batteries <sup>11</sup>	.0895	.0008	.0133	.0323
Printer Cartridges	.0405	.0610	.0135	.0225
Concrete	0	0	.6100	0
<b>TOTAL</b>	<b>466.7496</b>	<b>511.1715</b>	<b>497.6692</b>	<b>504.6138</b>

<sup>3</sup> The composting operation was temporarily shut down during this year to research a better method of composting.

<sup>4</sup> FY 02-03 and part of FY 03-04 cardboard weights are estimated using numbers provided by the EPA for the average amounts held by dumpsters of a particular size. Part of FY 03-04 and all of FY 04-05 weights are based on the average weight of several cardboard bales produced by our baler. The average weight per bale, which is determined by our vendor, is 800 lbs.

<sup>5</sup> Reusable clothing is donated to local shelters.

<sup>6</sup> Estimated weight.

<sup>7</sup> Increase most likely due to several river clean ups done on campus and in the neighboring community.

<sup>8</sup> Reusable toys and household goods are donated to local thrift shops.

<sup>9</sup> Estimated weight. The pallets represented here are ones that are given to Ingles Distribution Center and ground into mulch or reused. These weights do not include a number of pallets which are taken from our facility by community members.

<sup>10</sup> Estimated weight.

<sup>11</sup> For years 02-04, weights may include some car batteries. In FY 03-04, the Autoshop started recycling car batteries through NAPA; therefore, we no longer have weights or numbers to record.

## The Freestore

We track materials taken from the FreeStore by asking people to fill out the “Sign-Out Sheet” with the amounts and types of items they take. We estimate that for FY 03-04 and 04-05 about 1/3 of our customers checked out materials on the Sign-Out Sheet, so our item numbers are relatively low. For the 05-06 year, we have created a new Sign Out board which more people seem to be using, so in the future we will have a better grasp on the vast amount of items that pass through the FreeStore every month.

\*Due to a recording problem, we do not have numbers for every month in FY 03-04 even though the FreeStore was open all year. The problem was addressed and we should have all numbers reported for subsequent years.

	<b>FY 02-03</b> 12 Months	<b>FY 03-04</b> <i>*5 Months Only*</i> (Sept, Oct, March, April, May)	<b>FY 04-05</b> 12 Months	<b>FY 05-06</b> 12 Months
<b>ITEMS</b>	<b>TOTALS</b>	<b>TOTALS</b>	<b>TOTALS</b>	<b>TOTALS</b>
Articles of Clothing	962	771	1,544	2,980
Kitchen Supplies	587	284	473	1,004
Office Supplies	555	210	331	934
Books and Magazines	308	247	476	754
Accessories	120	172	221	549
Craft supplies	156	65	110	407
Other	225	201	248	384
Beauty Products	140	75	116	368
Music/Videos	80	47	131	364
Baskets/Bags	57	47	140	331
Appliances/Electrics	161	74	209	296
Bed Stuff/Rugs/Etc	252	136	152	225
Toys	113	51	108	217
Food	79	46	101	191
Furniture	40	38	49	183
Cleaning Products/Chemicals	30	29	48	121
Gardening Supplies	95	36	45	115
<b>TOTAL ITEMS</b>	<b>3,960</b>	<b>2,529+</b>	<b>4,502</b>	<b>9,423</b>

## Compost Data

05-06 Total Input & Output	
Type	Tons
Total Food	32.5065
Total Amendment	24.3865
<b>Total Input of Raw Materials</b>	<b>56.8930</b>
<b>Total Output of Usable Compost</b>	<b>41.2730</b>

(Total Amendment accounts for the woodchips and sawdust required to add to the food waste in order for it to break down into compost. We get these materials from the landscaping crew and other sources.)