

# Broom, Brush, and Mop Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com-panies <sup>2</sup>	All estab-lish-ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
339994, Broom, brush, and mop manufacturing .....	2002..	268	289	14 982	461 695	11 128	22 053	269 900	1 315 969	948 186	2 245 483	63 687
	2001..	N	N	15 250	431 647	11 945	23 599	259 912	1 243 192	946 774	2 180 667	63 303
	2000..	N	N	16 280	452 691	12 688	25 302	275 375	1 216 308	978 349	2 185 076	59 643
	1999..	N	N	17 249	469 461	13 328	26 916	288 105	1 271 525	1 008 477	2 266 859	88 247
	1998..	N	N	18 302	479 896	14 144	27 804	290 474	1 301 508	1 035 979	2 329 177	258 849
	1997..	306	332	17 280	446 005	13 008	25 464	268 007	1 157 593	944 974	2 083 585	90 013

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
339994, Broom, brush, and mop manufacturing												
United States .....	1	289	132	14 982	461 695	11 128	22 053	269 900	1 315 969	948 186	2 245 483	'63 687
Alabama .....	—	4	1	122	2 590	89	178	1 560	5 367	6 702	12 282	'407
California .....	2	31	14	1 082	31 288	745	1 180	16 400	110 151	51 423	159 681	'3 197
Georgia .....	7	7	5	414	12 488	316	657	7 258	24 506	22 324	46 679	'773
Illinois .....	1	20	13	1 447	52 445	918	1 949	25 726	141 487	69 925	212 621	'7 010
Massachusetts .....	2	9	5	418	12 539	334	727	7 827	25 021	17 882	43 147	'4 096
Michigan .....	—	8	3	340	11 949	238	411	6 290	28 226	20 727	47 672	'540
Missouri .....	2	10	4	313	9 263	244	473	5 396	27 462	14 526	42 014	'725
New Jersey .....	1	14	5	275	8 200	218	467	5 606	20 320	16 575	36 825	'959
New York .....	5	21	10	727	19 858	578	1 184	11 916	45 413	33 367	78 042	'1 770
Ohio .....	—	25	13	2 159	71 862	1 475	2 913	37 165	172 706	182 454	352 612	'11 802
South Carolina .....	—	6	2	238	5 083	193	341	2 743	11 499	16 769	28 857	'115
Virginia .....	—	5	2	166	5 794	123	252	3 554	16 867	12 124	28 360	'437
Wisconsin .....	1	12	7	1 026	34 266	800	1 637	21 838	101 941	67 379	168 257	'2 668

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>339994, Broom, brush, and mop manufacturing</b>	
Companies <sup>1</sup> .....	number.. 268
All establishments <sup>2</sup> .....	number.. 289
Establishments with 1 to 19 employees .....	number.. 157
Establishments with 20 to 99 employees .....	number.. 89
Establishments with 100 employees or more .....	number.. 43
All employees <sup>3</sup> .....	number.. 14 982
Total compensation .....	\$1,000.. 554 234
Annual payroll .....	\$1,000.. 461 695
Total fringe benefits .....	\$1,000.. 92 539
Production workers, average for year .....	number.. 11 128
Production workers on March 12 .....	number.. 11 207
Production workers on May 12 .....	number.. 11 191
Production workers on August 12 .....	number.. 11 063
Production workers on November 12 .....	number.. 11 023
Production worker hours .....	1,000.. 22 053
Production worker wages .....	\$1,000.. 269 900
Total cost of materials .....	\$1,000.. 948 186
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 791 689
Resales .....	\$1,000.. 120 062
Purchased fuels .....	\$1,000.. 3 786
Purchased electricity .....	\$1,000.. 12 156
Contract work .....	\$1,000.. 20 493
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 189 589
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 2 245 483
Primary products value of shipments .....	\$1,000.. 1 972 190
Secondary products value of shipments .....	\$1,000.. 88 104
Total miscellaneous receipts .....	\$1,000.. 185 189
Value of resales .....	\$1,000.. D
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. D
Primary products specialization ratio .....	percent.. 96
Value of primary products shipments made in all industries .....	\$1,000.. 2 065 352
Value of primary products shipments made in this industry .....	\$1,000.. 1 972 190
Value of primary products shipments made in other industries .....	\$1,000.. 93 162
Coverage ratio .....	percent.. 95
Value added .....	\$1,000.. 1 315 969
Total inventories, beginning of year .....	\$1,000.. 311 302
Finished goods inventories .....	\$1,000.. 149 504
Work-in-process inventories .....	\$1,000.. 31 540
Materials and supplies inventories .....	\$1,000.. 130 258
Total inventories, end of year .....	\$1,000.. 338 095
Finished goods inventories .....	\$1,000.. 162 925
Work-in-process inventories .....	\$1,000.. 36 791
Materials and supplies inventories .....	\$1,000.. 138 379
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '812 464
Total capital expenditures (new and used) .....	\$1,000.. '63 687
Buildings and other structures (new and used) .....	\$1,000.. '7 544
Machinery and equipment (new and used) .....	\$1,000.. '56 143
Automobiles, trucks, etc., for highway use .....	\$1,000.. '5 373
Computers and peripheral data processing equipment .....	\$1,000.. '11 865
All other expenditures for machinery and equipment .....	\$1,000.. '38 905
Total retirements .....	\$1,000.. '41 440
Gross value of depreciable assets at end of year .....	\$1,000.. '834 711
Depreciation charges during year .....	\$1,000.. '68 417
Total rental payments .....	\$1,000.. 25 230
Buildings and other structures .....	\$1,000.. 17 830
Machinery and equipment .....	\$1,000.. 7 400
Total other expenses <sup>4</sup> .....	\$1,000.. 86 930
Response coverage ratio <sup>5</sup> .....	percent.. 74
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 9 285
Communications services <sup>4</sup> .....	\$1,000.. 2 842
Legal services <sup>4</sup> .....	\$1,000.. 2 128
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 2 508
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 21 137
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 2 253
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 1 070
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 2 717
Taxes and license fees <sup>4</sup> .....	\$1,000.. 7 273
All other expenses <sup>4</sup> .....	\$1,000.. 35 716

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
339994, Broom, brush, and mop manufacturing											
All establishments .....	1	289	14 982	461 695	11 128	22 053	269 900	1 315 969	948 186	2 245 483	'63 687
Establishments with—											
1 to 4 employees .....	8	78	167	4 318	139	258	2 968	11 051	7 840	18 946	'263
5 to 9 employees .....	7	33	224	6 079	181	351	3 822	14 809	11 318	25 992	'333
10 to 19 employees .....	3	46	643	18 859	488	928	11 272	45 466	35 222	79 594	'1 288
20 to 49 employees .....	1	56	1 759	49 544	1 258	2 486	26 932	134 057	121 567	254 104	'3 277
50 to 99 employees .....	2	33	2 368	63 827	1 775	3 610	37 265	180 209	132 702	311 743	'15 330
100 to 249 employees .....	3	31	4 657	140 460	3 663	6 930	84 883	364 294	259 360	616 760	'11 362
250 to 499 employees .....	—	8	2 851	85 163	2 058	4 270	47 176	289 859	208 929	489 962	'15 416
500 to 999 employees .....	—	4	2 313	93 445	1 566	3 220	55 582	276 224	171 248	448 382	16 418
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	103	405	10 671	344	667	7 365	27 000	18 400	45 400	'716

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
339994	Broom, brush, and mop manufacturing .....	289	14 982	461 695	11 128	22 053	269 900	1 315 969	948 186	2 245 483	'63 687
3399941	Brooms, mops, and dusters .....	58	4 462	122 190	3 433	6 865	71 622	361 501	312 151	665 564	'19 460
3399943	Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers .....	30	3 479	109 121	2 691	5 397	67 580	355 563	245 455	593 259	'11 828
3399945	Other brushes .....	69	5 538	188 639	3 769	7 677	103 641	489 044	328 381	814 655	'29 450

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339994	Broom, brush, and mop manufacturing	2002.. N 1997.. N	X X	X X	2 065 352 1 974 317
3399941	Brooms, mops, and dusters	2002.. N 1997.. N	X X	X X	535 977 622 479
33999411	Brooms	2002.. N 1997.. N	X X	X X	191 950 263 307
3399941101	Household floor brooms	2002.. 18 1997.. 31	X X	X X	89 729 109 106
3399941106	Other brooms (including hearth, industrial, stable, street, streetsweeping machine, etc.)	2002.. 34 1997.. 46	X X	X X	102 221 154 201
33999413	Mops and dusters, including refills	2002.. N 1997.. N	X X	X X	299 295 335 596
3399941311	Dry mops and dusters, including refills (excluding dusting cloths)	2002.. 25 1997.. 28	X X	X X	94 782 60 019
3399941316	Wet mops, including refills (excluding sponge mops)	2002.. 30 1997.. 40	X X	X X	97 786 168 791
3399941321	Sponge mops, including refills	2002.. 13 1997.. 15	X X	X X	106 727 106 786
3399941Y	Brooms, mops, and dusters, nsk	2002.. N 1997.. N	X X	X X	44 732 23 576
3399941YVW	Brooms, mops, and dusters, nsk	2002.. N 1997.. N	X X	X X	44 732 23 576
3399943	Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers	2002.. N 1997.. N	X X	X X	497 641 423 613
33999431	Paint and varnish brushes, including kalsomine, marking, paperhanging, stenciling, and whitewash brushes	2002.. N 1997.. N	X X	X X	213 832 183 120
3399943101	Paint and varnish brushes, including kalsomine, marking, paperhanging, stenciling, and whitewash brushes	2002.. 23 1997.. 27	X X	X X	213 832 183 120
33999432	Paint holders, pads, roller frames, and rollers, including replacement rollers	2002.. N 1997.. N	X X	X X	277 236 217 842
3399943206	Paint holders and pads	2002.. 11 1997.. 15	X X	X X	54 695 39 989
3399943211	Paint roller frames and rollers, including replacement rollers	2002.. 22 1997.. 31	X X	X X	222 541 177 853
3399943Y	Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers, nsk	2002.. N 1997.. N	X X	X X	6 573 22 651
3399943YVW	Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers, nsk	2002.. N 1997.. N	X X	X X	6 573 22 651
3399945	Other brushes	2002.. N 1997.. N	X X	X X	876 040 872 801
33999451	Personal brushes	2002.. N 1997.. N	X X	X X	341 276 256 547
3399945101	Toothbrushes	2002.. 12 1997.. 15	X X	X X	275 359 225 477
3399945106	Other personal brushes, including shaving brushes and hairbrushes	2002.. 8 1997.. 13	X X	X X	65 917 31 070
33999452	Other brushes	2002.. N 1997.. N	X X	X X	489 529 543 506
3399945211	Household maintenance brushes, including dusting, floor, scrub, twisted-in-wire, and window brushes	2002.. 26 1997.. 28	X X	X X	120 721 105 610
3399945216	Industrial maintenance brushes, including dusting, floor, scrub, twisted-in-wire, and window brushes	2002.. 32 1997.. 48	X X	X X	114 825 166 464
3399945221	Other industrial brushes, including cup, dentists', end, jewelers', power-driven, and rotary brushes	2002.. 24 1997.. 28	X X	X X	124 726 98 426
3399945226	Other brushes, including artists' brushes and hair pencils (excluding artists' airbrushes)	2002.. 25 1997.. 40	X X	X X	129 257 173 006
3399945Y	Other brushes, nsk	2002.. N 1997.. N	X X	X X	45 235 72 748
3399945YVW	Other brushes, nsk	2002.. N 1997.. N	X X	X X	45 235 72 748
339994W	Broom, brush, and mop manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	155 694 55 424
339994WY	Broom, brush, and mop manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	155 694 55 424
339994WYVW	Broom, brush, and mop manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	116 023 10 174
339994WYVY	Broom, brush, and mop manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	39 671 45 250

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3399941	<b>Brooms, mops, and dusters</b>	
	United States .....	2002.. 535 977
		1997.. 622 479
	California .....	2002.. 19 551
		1997.. 13 487
	New Jersey .....	2002.. 9 973
		1997.. N
	New York .....	2002.. 8 114
		1997.. N
	South Carolina .....	2002.. 32 987
	1997.. 20 274	
Wisconsin .....	2002.. 19 676	
	1997.. 10 584	
3399943	<b>Paint and varnish brushes and paint holders, pads, roller frames, and rollers, including replacement rollers</b>	
	United States .....	2002.. 497 641
		1997.. 423 613
	California .....	2002.. 21 005
		1997.. 6 227
	Illinois .....	2002.. 20 199
		1997.. N
New York .....	2002.. 22 639	
	1997.. 52 362	
3399945	<b>Other brushes</b>	
	United States .....	2002.. 876 040
		1997.. 872 801
	California .....	2002.. 82 684
		1997.. 39 839
	Georgia .....	2002.. 37 478
		1997.. 83 218
	Illinois .....	2002.. 87 680
		1997.. 65 078
	Michigan .....	2002.. 48 378
		1997.. 33 124
	New Jersey .....	2002.. 6 959
		1997.. 11 229
	New York .....	2002.. 19 426
	1997.. 36 179	
Ohio .....	2002.. 105 691	
	1997.. 75 693	
Wisconsin .....	2002.. 29 083	
	1997.. 43 691	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
339994	<b>Broom, brush, and mop manufacturing</b>		
0090001	Total materials .....	X	791 689
	.....2002..	X	835 372
	.....1997..	X	
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....	X	60 647
	.....2002..	X	85 035
	.....1997..	X	
33200005	Fabricated metal products, including forgings .....	X	18 130
	.....2002..	X	N
	.....1997..	X	
33100033	Metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	19 083
	.....2002..	X	22 010
	.....1997..	X	
31300001	Yarns and textiles (cotton, wool, silk, and manmade fibers) .....	X	112 093
	.....2002..	X	151 371
	.....1997..	X	
32199903	Wood brush handles and backs .....	X	55 890
	.....2002..	X	56 002
	.....1997..	X	
32221001	Paperboard containers, boxes, and corrugated paperboard .....	X	50 710
	.....2002..	X	60 050
	.....1997..	X	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....	X	45 026
	.....2002..	X	75 459
	.....1997..	X	
33999900	Dressed hair (including bristle and horsehair) .....	X	16 460
	.....2002..	X	26 827
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies .....	X	312 019
	.....2002..	X	316 977
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk .....	X	101 631
	.....2002..	X	41 641
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.