

Ready-Mix Concrete Manufacturing: 2002

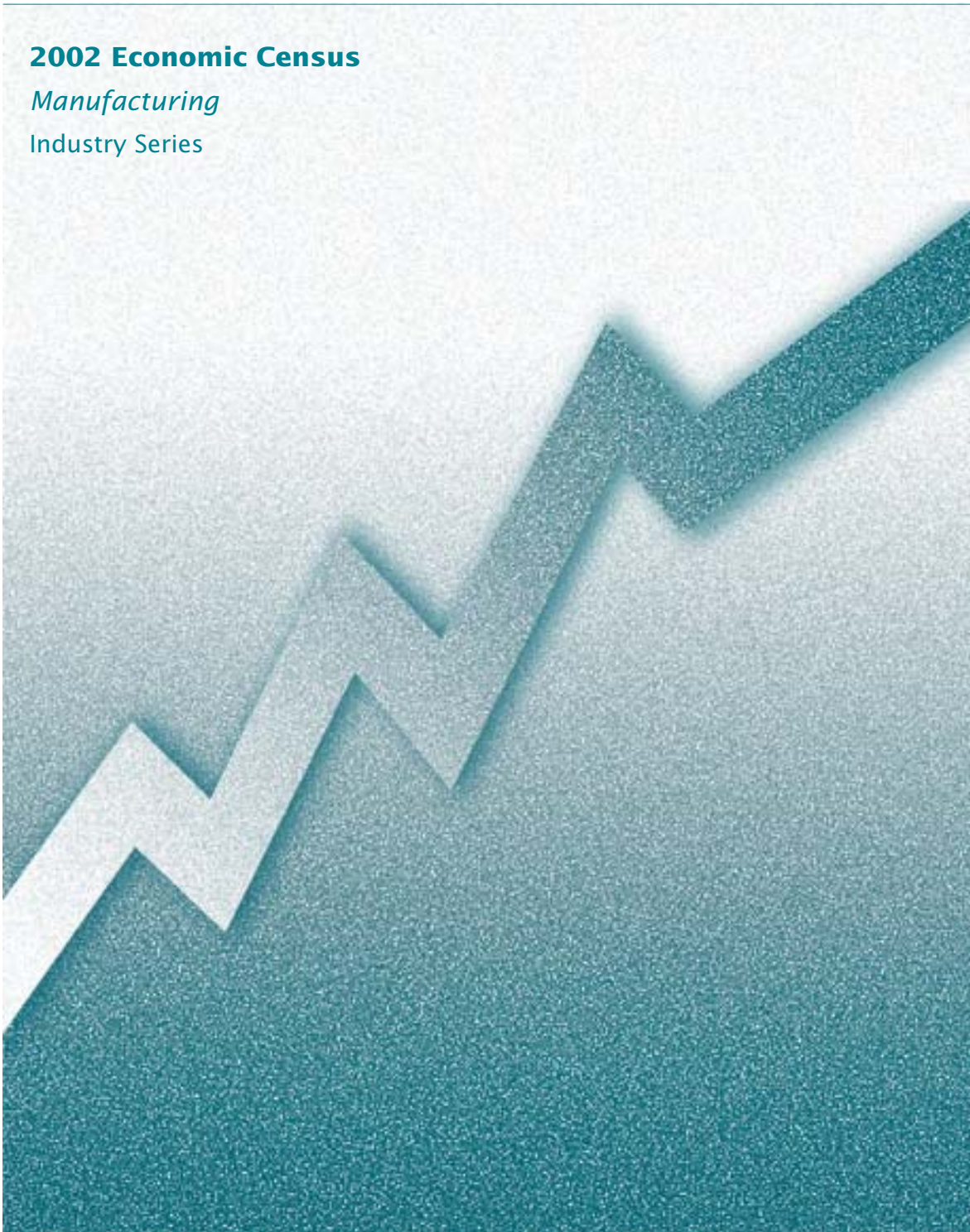
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2002 Economic Census

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 ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
327320, Ready-mix concrete manufacturing	2002..	2 596	5 570	98 360	3 640 427	79 582	160 454	2 794 396	10 286 897	11 299 472	21 573 773	'890 731
	2001..	N	N	102 790	3 709 915	81 370	172 852	2 716 372	10 017 236	11 459 783	21 472 894	838 234
	2000..	N	N	101 103	3 622 064	79 796	171 405	2 643 683	9 518 744	11 412 475	20 933 332	938 092
	1999..	N	N	102 044	3 529 981	81 141	173 135	2 592 088	9 475 861	11 081 867	20 569 578	985 361
	1998..	N	N	94 401	3 177 079	75 157	158 418	2 346 495	8 832 097	10 533 584	19 388 319	834 318
	1997..	2 888	5 221	93 136	2 965 346	72 464	147 770	2 153 268	7 780 774	9 418 330	17 219 886	798 851

¹Statistics 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).

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

³Includes establishments with payroll at any time during the year.

⁴Number 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 ¹	All establishments ²		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 ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327320, Ready-mix concrete manufacturing												
United States	2	5 570	1 649	98 360	3 640 427	79 582	160 454	2 794 396	10 286 897	11 299 472	21 573 773	'890 731
Alabama	2	147	20	1 688	57 943	1 361	2 906	44 225	170 861	197 644	369 148	'10 307
Arizona	2	68	35	2 055	67 432	1 713	3 013	52 046	196 535	248 102	444 197	'13 330
Arkansas	2	93	21	1 181	36 428	982	1 988	30 012	88 017	91 861	179 856	'9 366
California	1	396	174	9 315	391 930	7 545	15 466	306 556	1 127 050	1 486 366	2 614 585	'81 181
Delaware	1	18	7	378	13 241	275	581	8 755	38 476	40 862	78 360	'8 049
Florida	1	304	114	5 739	193 992	4 614	9 630	144 968	745 371	700 140	1 445 192	'36 419
Georgia	1	235	78	4 487	163 406	3 701	7 924	131 390	420 489	488 570	909 208	'31 512
Hawaii	1	12	8	448	24 222	255	566	15 410	68 306	59 261	127 920	'7 837
Illinois	2	221	74	3 877	164 698	3 255	6 576	136 063	423 032	437 455	860 706	'32 480
Indiana	1	157	49	2 614	102 407	2 166	4 494	79 784	265 782	277 635	543 785	'24 144
Iowa	2	178	32	2 163	68 919	1 816	3 273	55 288	167 252	175 348	343 214	'17 548
Kansas	4	92	23	1 446	50 111	1 152	2 347	36 866	148 172	170 172	318 419	'23 074
Kentucky	1	99	27	1 479	46 608	1 141	2 230	35 966	133 227	125 092	258 370	'15 106
Louisiana	3	76	26	1 429	48 747	1 094	2 366	33 714	116 691	145 026	260 299	'11 610
Massachusetts	5	36	21	1 658	66 087	1 373	2 955	49 886	146 590	143 906	290 472	'11 154
Michigan	1	192	66	3 144	140 851	2 289	4 736	97 615	373 987	331 896	708 054	'29 060
Minnesota	2	115	32	1 976	75 709	1 333	2 514	50 793	216 995	219 410	435 258	'13 699
Mississippi	4	96	16	1 212	39 005	978	1 861	29 465	98 056	116 213	214 066	'7 724
Missouri	2	198	47	2 718	89 081	2 270	4 087	70 605	220 865	239 669	459 953	'25 606
Nebraska	1	72	18	1 043	34 565	858	1 629	25 304	95 480	117 511	211 784	'13 179
Nevada	2	38	18	1 363	59 641	1 206	2 503	52 628	158 241	173 031	331 300	'13 387
New Hampshire	1	17	8	387	15 604	294	644	10 877	42 715	34 270	75 746	'7 239
New Jersey	4	67	38	2 150	94 874	1 655	3 388	69 966	222 265	246 300	462 007	'15 742
New Mexico	1	36	11	662	21 979	538	1 028	16 148	60 105	59 761	119 847	'6 586
New York	3	173	53	2 997	121 433	2 354	4 548	91 971	340 592	351 228	687 697	'24 526
North Carolina	2	225	43	3 493	113 631	2 959	5 705	90 110	299 381	335 455	633 924	'25 957
North Dakota	1	28	2	197	8 152	167	318	5 685	17 942	27 059	45 008	'6 977
Ohio	2	231	68	3 980	147 689	3 254	6 717	115 329	385 508	446 330	835 563	'35 345
Oklahoma	1	136	20	1 308	39 188	1 158	2 215	32 277	128 638	138 003	266 678	'16 399
Oregon	1	78	24	1 351	50 993	978	2 037	35 647	151 123	128 120	279 057	'11 760
Pennsylvania	2	194	48	2 971	100 634	2 416	4 540	76 274	282 883	302 980	583 695	'28 584
South Carolina	2	86	21	1 362	48 860	1 140	2 321	37 199	130 237	146 111	276 384	'11 373
South Dakota	2	32	6	479	15 101	411	799	12 290	44 644	32 359	77 305	'9 776
Tennessee	4	125	37	2 082	67 141	1 696	3 365	52 792	203 703	192 666	395 788	'23 993
Texas	2	474	116	8 234	302 308	6 924	14 697	236 241	964 662	1 299 354	2 265 095	'80 945
Utah	4	43	15	787	29 798	654	1 358	23 531	112 037	94 081	207 094	'7 122
Virginia	1	151	36	2 384	83 784	1 895	3 974	63 398	278 139	272 664	549 909	'39 460
Washington	3	82	29	2 111	85 399	1 637	3 441	64 071	220 685	202 873	424 177	'17 092
West Virginia	3	49	9	617	18 231	456	835	12 417	47 533	46 908	94 274	'6 377
Wisconsin	1	132	37	2 199	85 282	1 764	3 644	64 639	239 934	226 800	463 966	'32 260
Wyoming	3	26	4	304	11 228	260	531	9 114	29 244	24 841	53 999	'3 819

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Number 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
327320, Ready-mix concrete manufacturing	
Companies ¹	number.. 2 596
All establishments ²	number.. 5 570
Establishments with 1 to 19 employees	number.. 3 921
Establishments with 20 to 99 employees	number.. 1 576
Establishments with 100 employees or more	number.. 73
All employees ³	number.. 98 360
Total compensation	\$1,000.. 4 497 202
Annual payroll	\$1,000.. 3 640 427
Total fringe benefits	\$1,000.. 856 775
Production workers, average for year	number.. 79 582
Production workers on March 12	number.. 76 087
Production workers on May 12	number.. 80 454
Production workers on August 12	number.. 81 290
Production workers on November 12	number.. 79 762
Production worker hours	1,000.. 160 454
Production worker wages	\$1,000.. 2 794 396
Total cost of materials	\$1,000.. 11 299 472
Materials, parts, containers, packaging, etc., used	\$1,000.. 10 501 707
Resales	\$1,000.. 476 083
Purchased fuels	\$1,000.. 164 058
Purchased electricity	\$1,000.. 100 310
Contract work	\$1,000.. 57 314
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 420 635
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 5 936
Total value of shipments	\$1,000.. 21 573 773
Primary products value of shipments	\$1,000.. 20 115 719
Secondary products value of shipments	\$1,000.. 636 022
Total miscellaneous receipts	\$1,000.. 822 032
Value of resales	\$1,000.. 675 078
Contract receipts	\$1,000.. 45 829
Other miscellaneous receipts	\$1,000.. 101 125
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 20 424 813
Value of primary products shipments made in this industry	\$1,000.. 20 115 719
Value of primary products shipments made in other industries	\$1,000.. 309 094
Coverage ratio	percent.. 98
Value added	\$1,000.. 10 286 897
Total inventories, beginning of year	\$1,000.. 605 808
Finished goods inventories	\$1,000.. 158 421
Work-in-process inventories	\$1,000.. 17 086
Materials and supplies inventories	\$1,000.. 430 301
Total inventories, end of year	\$1,000.. 665 446
Finished goods inventories	\$1,000.. 167 758
Work-in-process inventories	\$1,000.. 20 345
Materials and supplies inventories	\$1,000.. 477 343
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '9 501 696
Total capital expenditures (new and used)	\$1,000.. '890 731
Buildings and other structures (new and used)	\$1,000.. '129 401
Machinery and equipment (new and used)	\$1,000.. '761 330
Automobiles, trucks, etc., for highway use	\$1,000.. '281 767
Computers and peripheral data processing equipment	\$1,000.. '49 024
All other expenditures for machinery and equipment	\$1,000.. '430 539
Total retirements	\$1,000.. '527 729
Gross value of depreciable assets at end of year	\$1,000.. '9 864 698
Depreciation charges during year	\$1,000.. '709 961
Total rental payments	\$1,000.. 374 126
Buildings and other structures	\$1,000.. 139 535
Machinery and equipment	\$1,000.. 234 591
Total other expenses ⁴	\$1,000.. 1 190 391
Response coverage ratio ⁵	percent.. 72
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 258 558
Communications services ⁴	\$1,000.. 60 162
Legal services ⁴	\$1,000.. 12 869
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 22 041
Advertising and promotional services ⁴	\$1,000.. 19 838
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 10 130
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 19 193
Management consulting and administrative services ⁴	\$1,000.. 21 971
Taxes and license fees ⁴	\$1,000.. 83 155
All other expenses ⁴	\$1,000.. 682 473

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

²Includes establishments with payroll at any time during the year.

³Number 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.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A 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 ¹	All establishments ²	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 ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327320, Ready-mix concrete manufacturing											
All establishments	2	5 570	98 360	3 640 427	79 582	160 454	2 794 396	10 286 897	11 299 472	21 573 773	'890 731
Establishments with—											
1 to 4 employees	2	1 624	3 672	137 761	3 043	6 077	106 636	749 297	918 244	1 668 837	'45 170
5 to 9 employees	2	982	6 776	239 052	5 674	11 658	193 206	810 028	918 321	1 733 419	'74 475
10 to 19 employees	1	1 315	18 326	647 351	15 318	30 633	525 449	2 024 054	2 139 346	4 160 121	'153 625
20 to 49 employees	1	1 288	38 754	1 451 813	30 864	62 272	1 099 875	3 965 803	4 328 521	8 278 097	'369 582
50 to 99 employees	2	288	19 146	727 252	15 308	30 756	539 537	1 861 099	1 963 233	3 823 470	'143 393
100 to 249 employees	4	66	9 350	341 841	7 414	14 764	253 289	679 233	736 099	1 416 844	'90 930
250 to 499 employees	3	7	2 336	95 357	1 961	4 294	76 404	197 383	295 708	492 985	'13 556
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	743	2 044	83 534	1 722	3 558	64 150	201 052	248 308	449 359	'13 794

¹Some 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.

²Includes establishments with payroll at any time during the year.

³Number 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.

⁴Some 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 ¹	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 ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327320	Ready-mix concrete manufacturing ...	5 570	98 360	3 640 427	79 582	160 454	2 794 396	10 286 897	11 299 472	21 573 773	'890 731
3273200	Ready-mix concrete	5 570	98 360	3 640 427	79 582	160 454	2 794 396	10 286 897	11 299 472	21 573 773	'890 731

¹Includes establishments with payroll at any time during the year.

²Number 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)	
327320	Ready-mix concrete manufacturing	2002..	N	X	X	20 424 813
		1997..	N	X	X	15 909 843
3273200	Ready-mix concrete	2002..	N	X	X	20 424 813
32732001	Ready-mix concrete	1997..	N	X	X	15 909 843
		2002..	N	X	X	16 521 690
3273200100	Ready-mix concrete	1997..	N	X	X	15 193 332
		2002..	1 492	X	X	16 521 690
3273200Y	Ready-mix concrete, nsk, total	1997..	1 952	X	X	15 193 332
		2002..	N	X	X	3 903 123
3273200YWW	Ready-mix concrete, nsk, for nonadministrative-record establishments	1997..	N	X	X	716 511
		2002..	N	X	X	S
3273200YWY	Ready-mix concrete, nsk, for administrative-record establishments	1997..	N	X	X	242 160
		2002..	N	X	X	431 906
		1997..	N	X	X	474 351

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**

[Not applicable for this report.]

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)
327320	Ready-mix concrete manufacturing		
0090001	Total materials	X	10 501 707
	.....2002..	X	8 576 817
	.....1997..	X	2 054 578
21232002	Sand and gravel	X	N
	.....2002..	X	
	.....1997..	X	
21231200	Mining and quarrying of crushed and broken limestone (including dolomite, cement rock, marl, etc.)	X	532 676
	.....2002..	X	459 692
	.....1997..		
21231300	Mining and quarrying of crushed and broken granite (including gneiss, syenite, and diorite)	X	87 747
	.....2002..	X	44 441
	.....1997..		
21231900	Mining and quarrying of other crushed and broken stone (riprap, slate, marble, traprock, sandstone, quartz, etc.)	X	146 335
	.....2002..	X	156 857
	.....1997..	X	28 935
21230005	Mining and quarrying of other nonmetallic minerals (excluding fuels)	X	23 570
	.....2002..	X	
	.....1997..	X	
32510003	Ready-mixed concrete chemical processing preparations and materials	X	503 309
	.....2002..	X	344 474
	.....1997..	X	
32731005	Portland and blended cements	X	3 365 230
	.....2002..	X	2 601 914
	.....1997..	X	
32700015	Other stone, clay, and concrete products	X	157 352
	.....2002..	X	128 150
	.....1997..		
00970099	All other materials and components, parts, containers, and supplies	X	491 400
	.....2002..	X	N
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk	X	3 134 145
	.....2002..	X	2 948 576
	.....1997..		

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.