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# 1992 Census of Manufactures

MC92-I-20F

INDUSTRY SERIES

## Sugar and Confectionery Products

Industries 2061, 2062, 2063, 2064, 2066,  
2067, and 2068

Issued April 1995



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# Description of Industries and Summary of Findings

This report shows 1992 Census of Manufactures statistics for establishments classified in each of the following industries:

## SIC code and title

2061	Raw Cane Sugar
2062	Cane Sugar Refining
2063	Beet Sugar
2064	Candy and Other Confectionery Products and 2067, Chewing Gum
2066	Chocolate and Cocoa Products
2068	Salted and Roasted Nuts and Seeds

The industry statistics (employment, payroll, cost of materials, value of shipments, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments but also their activities in the manufacture of secondary products as well as their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 through 5a) with product statistics (table 6) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5b, which shows the value of primary and secondary products shipped by establishments classified in the specified industry and the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

Establishment data were tabulated based on industry definitions included in the *1987 Standard Industrial Classification (SIC) Manual*<sup>1</sup>. The 1987 edition represents a major revision for manufacturing industries from the 1972 edition and its 1977 supplement. In addition to the 1987 SIC revision, changes were made to the product class (five-digit) and product code (seven-digit) categories. The product class and product code comparability between the 1992 and 1987 censuses is shown in appendix C. This appendix presents, in tabular form, the linkage from 1992 to 1987, and 1987 to 1992.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

## INDUSTRY 2061, RAW CANE SUGAR

This industry is made up of establishments primarily engaged in manufacturing raw sugar, syrup, and molasses, and finished (granulated or clarified) cane sugar from sugarcane. Establishments primarily engaged in refining sugar from purchased raw cane sugar or sugar syrup are classified in industry 2062.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2061, Raw Cane Sugar, had employment of 7.0 thousand. The employment figure was 13 percent above the 6.2 thousand reported in 1987. Compared with 1991, employment increased 13 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were Florida, Hawaii, Louisiana, and Texas. These same States were the leaders in 1987.

The total value of shipments for establishments classified in this industry was \$1.5 billion.

The products primary to industry 2061, no matter in what industry they were produced, appear in table 6a and aggregate to \$1.4 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the raw cane sugar industry amounted to \$887.6 million. Data on specific materials consumed appear in table 7.

No establishments in this industry were excluded from the mail portion of the census. However, for a small number of establishments, reports were not received at the time the data were tabulated. For these establishments data were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for less than 1 percent of the total value of shipments.

<sup>1</sup>*Standard Industrial Classification Manual: 1987*. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

## **INDUSTRY 2062, CANE SUGAR REFINING**

This industry is made up of establishments primarily engaged in refining purchased raw cane sugar and sugar syrup.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2062, Cane Sugar Refining, had employment of 4.8 thousand. The employment figure was 13 percent below the 5.5 thousand reported in 1987.

The leading States in employment in 1992 were California, Louisiana, and New York. These same States were the leaders in 1987.

The total value of shipments for establishments classified in this industry was \$2.8 billion.

The products primary to industry 2062, no matter in what industry they were produced, appear in table 6a and aggregate to \$2.9 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the cane sugar refining industry amounted to \$2.1 billion. Data on specific materials consumed appear in table 7.

No establishments in this industry were excluded from the mail portion of the census. However, for a small number of establishments, reports were not received at the time the data were tabulated. For these establishments data were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for less than 1 percent of the total value of shipments.

## **INDUSTRY 2063, BEET SUGAR**

This industry is made up of establishments primarily engaged in manufacturing sugar from sugar beets. Establishments primarily engaged in the manufacturing of raw cane sugar are classified in industry 2061. Establishments primarily engaged in cane sugar refining are classified in industry 2062.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 2063, Beet Sugar, had employment of 7.6 thousand. The employment figure was 4 percent below the 7.9 thousand reported in 1987. Compared with 1991, employment was unchanged. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were California, Idaho, Michigan, and Minnesota. These same States were the leaders in 1987.

The total value of shipments for establishments classified in this industry was \$2.3 billion.

The products primary to industry 2063, no matter in what industry they were produced, appear in table 6a and aggregate to \$2.2 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the beet sugar industry amounted to \$1.6 billion. Data on specific materials consumed appear in table 7.

No establishments in this industry were excluded from the mail portion of the census. However, for a small number of establishments, reports were not received at the time the data were tabulated. For these establishments data were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for less than 1 percent of the total value of shipments.

## **INDUSTRY 2064, CANDY AND OTHER CONFECTIONERY PRODUCTS AND INDUSTRY 2067, CHEWING GUM**

This industry is made up of establishments primarily engaged in manufacturing candy, including chocolate candy, other confections, and related products. Also included in this industry are establishments primarily engaged in manufacturing chewing gum or chewing gum base. Establishments primarily engaged in manufacturing solid chocolate bars from cacao beans are classified in industry 2066. Establishments primarily engaged in roasting and salting nuts and seeds are classified in industry 2068.

In the 1992 Census of Manufactures, Industry 2064, Candy and Other Confectionery Products, and Industry 2067, Chewing Gum, were combined.

In the 1992 Census of Manufactures, Industry 2064, Candy and Other Confectionery Products, and Industry 2067, Chewing Gum, had employment of 51.5 thousand.

The leading States in employment in 1992 were California, Illinois, Pennsylvania and Tennessee.

The total value of shipments for establishments classified in this industry was \$10.2 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 2064 shipped \$9.5 billion of candy and other confectionery products and chewing gum considered primary to the industry, \$238.2 million of secondary products, and had \$489.2 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 98 percent (specialization ratio).

Establishments in this industry also accounted for 94 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio).

**Table 2. Industry Statistics for Selected States: 1992 and 1987**

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes ]

Industry and geographic area	1992										1987		
	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	All employees <sup>2</sup> (1,000)	Value added by manufacture (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number <sup>2</sup> (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
<b>INDUSTRY 2061, RAW CANE SUGAR</b>													
United States .....	45	41	7.0	175.8	5.1	11.7	128.2	561.9	887.6	1 459.8	59.3	6.2	504.2
Florida .....	7	7	2.4	72.1	1.8	4.2	55.8	260.2	493.6	777.2	21.0	1.9	235.8
Hawaii .....	11	11	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	193.6
Louisiana .....	25	22	1.7	37.9	1.5	3.4	29.6	123.9	253.6	365.0	20.3	G	(D)
Texas .....	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
<b>INDUSTRY 2062, CANE SUGAR REFINING</b>													
United States .....	17	15	4.8	187.5	3.6	7.9	129.4	737.2	2 138.2	2 822.9	56.3	5.5	445.4
California .....	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
Florida .....	3	3	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	(NA)	(NA)
Georgia .....	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Louisiana .....	3	3	1.0	33.1	.6	1.7	24.8	149.3	428.1	587.6	(D)	F	79.0
Maryland .....	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	(D)
New York .....	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas .....	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>INDUSTRY 2063, BEET SUGAR</b>													
United States .....	40	37	7.6	220.2	6.6	14.3	173.4	799.7	1 559.3	2 282.0	96.5	7.9	613.2
California .....	9	8	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado .....	2	2	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho .....	2	2	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan .....	5	5	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota .....	4	4	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Montana .....	2	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska .....	3	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota .....	4	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio .....	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon .....	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas .....	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wyoming .....	3	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>INDUSTRIES 2064, CANDY AND OTHER CONFECTIONERY PRODUCTS AND 2067, CHEWING GUM</b>													
United States .....	759	298	51.5	1 262.7	41.0	79.5	842.4	6 348.9	3 903.3	10 207.1	378.7	(NA)	(NA)
Alabama .....	4	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
California .....	80	31	4.0	106.6	3.1	5.8	65.6	430.3	305.5	730.1	20.4	(NA)	(NA)
Colorado .....	10	4	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Connecticut .....	8	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Florida .....	21	5	.4	9.0	.3	.7	5.3	29.0	27.0	55.4	1.1	(NA)	(NA)
Georgia .....	15	8	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Hawaii .....	12	6	.4	8.2	.3	.6	4.6	20.4	40.4	61.0	3.6	(NA)	(NA)
Illinois .....	65	37	12.2	355.6	9.8	19.9	230.1	1 879.1	1 157.6	3 012.9	128.9	(NA)	(NA)
Indiana .....	12	6	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Iowa .....	5	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Kansas .....	6	1	.1	1.9	.1	.1	1.4	6.3	5.9	12.2	(D)	(NA)	(NA)
Kentucky .....	11	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Louisiana .....	13	4	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Maryland .....	8	5	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Massachusetts .....	19	9	1.3	26.2	1.0	1.8	17.6	93.6	63.4	157.4	4.3	(NA)	(NA)
Michigan .....	17	6	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Minnesota .....	14	6	1.2	30.4	1.0	1.8	16.9	104.7	50.6	157.3	(D)	(NA)	(NA)
Missouri .....	12	8	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Nevada .....	6	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
New Jersey .....	30	13	1.8	70.6	1.2	2.6	43.3	349.6	260.6	617.1	33.4	(NA)	(NA)
New Mexico .....	4	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
New York .....	53	23	2.2	42.9	1.7	3.2	28.2	113.1	110.6	222.6	8.3	(NA)	(NA)
North Carolina .....	10	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Ohio .....	35	14	1.4	28.2	1.0	1.7	15.3	87.9	63.7	151.2	4.9	(NA)	(NA)
Oklahoma .....	3	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Oregon .....	20	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Pennsylvania .....	83	46	7.8	184.5	6.3	12.6	135.5	894.0	538.8	1 425.0	(D)	(NA)	(NA)
Rhode Island .....	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
South Carolina .....	3	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Tennessee .....	15	6	2.7	66.8	2.3	4.5	49.1	517.9	250.9	767.2	54.1	(NA)	(NA)
Texas .....	49	11	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Utah .....	19	8	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Vermont .....	7	3	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Virginia .....	13	4	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Washington .....	22	5	.6	13.2	.4	.3	7.0	37.8	24.4	82.6	1.2	(NA)	(NA)
Wisconsin .....	22	6	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

**Table 1a. Historical Statistics for the Industry: 1992 and Earlier Years**

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Year <sup>1</sup>	All establishments <sup>2</sup>			All employees		Production workers			Value added by manufacture <sup>4</sup> (million dollars)	Cost of materials <sup>5</sup> (million dollars)	Value of shipments (million dollars)	New capital expenditures <sup>6</sup> (million dollars)	End-of-year inventories <sup>4</sup> (million dollars)	Ratios	
	Companies <sup>2</sup> (no.)	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Specialization <sup>7</sup> (percent)	Coverage <sup>8</sup> (percent)
<b>INDUSTRY 2061, RAW CANE SUGAR</b>															
1992 Census	37	45	41	7.0	175.8	5.1	11.7	128.2	561.9	887.6	1 459.8	59.3	374.0	(D)	99
1991 ASM	(NA)	(NA)	(NA)	6.2	162.8	4.7	10.4	118.0	554.2	888.6	1 374.4	32.4	383.8	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	6.1	156.2	4.6	10.2	112.2	502.0	785.0	1 295.6	82.3	344.1	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	6.3	152.2	4.8	10.7	112.2	520.8	894.1	1 436.0	62.6	349.7	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	6.2	148.7	4.8	10.9	111.9	493.6	815.1	1 287.1	36.0	352.6	(NA)	(NA)
1987 Census	31	40	40	6.2	143.3	4.8	11.0	108.4	504.2	792.1	1 239.4	46.2	321.9	(D)	(D)
1986 ASM	(NA)	(NA)	(NA)	6.4	141.3	5.0	11.3	105.6	429.6	789.6	1 244.0	34.0	281.3	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	6.8	141.4	5.4	11.6	106.8	451.7	772.3	1 168.6	49.3	310.2	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	7.4	143.2	5.8	12.8	106.4	449.8	791.2	1 232.5	48.7	238.3	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	7.6	141.1	6.1	13.0	106.2	478.4	837.6	1 311.6	41.9	229.7	(NA)	(NA)
1982 Census	43	51	44	7.5	133.8	5.8	13.1	100.5	297.7	755.6	1 113.9	89.6	237.9	(D)	99
1981 ASM	(NA)	(NA)	(NA)	7.8	137.6	6.4	14.5	108.0	515.0	873.9	1 344.5	95.5	313.3	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	6.9	111.6	5.8	12.9	88.9	771.9	789.7	1 486.3	83.3	233.9	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	7.0	102.1	5.7	12.9	83.0	274.0	491.3	842.8	39.4	95.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	7.2	95.1	5.6	12.3	69.4	297.9	430.2	698.9	42.6	134.8	(NA)	(NA)
1977 Census	49	65	55	8.0	95.8	6.3	13.6	70.8	275.7	440.1	704.0	43.4	107.9	100	99
<b>INDUSTRY 2062, CANE SUGAR REFINING</b>															
1992 Census	12	17	15	4.8	187.5	3.6	7.9	129.4	737.2	2 138.2	2 822.9	56.3	354.7	(D)	98
1991 ASM	(NA)	(NA)	(NA)	4.9	186.0	3.9	8.3	134.8	654.9	2 284.4	2 825.9	50.3	338.1	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	4.9	181.5	4.1	8.7	142.8	659.7	2 438.8	3 075.3	45.0	311.0	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	4.9	170.7	4.0	8.3	133.1	534.9	2 124.5	2 641.8	42.3	362.4	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	5.3	171.7	4.1	8.3	130.4	422.2	2 058.4	2 458.4	39.1	357.4	(NA)	(NA)
1987 Census	14	21	16	5.5	177.4	4.2	9.0	130.4	445.4	2 002.8	2 460.2	32.7	309.9	100	99
1986 ASM	(NA)	(NA)	(NA)	5.5	179.3	4.1	9.2	132.9	551.2	2 063.8	2 604.9	34.9	307.9	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	5.8	175.8	4.3	9.4	132.8	583.5	2 029.4	2 616.4	41.0	273.6	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	7.4	198.1	5.6	11.6	146.0	536.4	2 538.3	3 081.0	69.5	319.8	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	7.6	195.1	5.8	11.8	141.4	631.3	2 512.6	3 145.1	51.9	359.1	(NA)	(NA)
1982 Census	19	30	25	8.3	197.2	6.2	12.8	139.5	622.4	2 424.9	3 040.3	69.2	363.0	99	99
1981 ASM	(NA)	(NA)	(NA)	9.4	223.0	6.9	14.6	156.6	567.6	3 170.6	3 773.0	40.1	350.4	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	9.8	210.0	7.2	15.1	149.0	802.8	3 355.8	4 110.5	40.5	469.2	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	9.8	189.7	7.1	14.8	132.8	601.0	2 102.0	2 715.0	36.4	242.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	10.3	183.9	7.4	15.7	127.2	520.7	1 745.3	2 291.5	31.5	250.8	(NA)	(NA)
1977 Census	27	40	27	10.2	168.9	7.2	15.4	116.4	526.2	1 755.1	2 260.0	53.4	345.1	99	99
<b>INDUSTRY 2063, BEET SUGAR</b>															
1992 Census	13	40	37	7.6	220.2	6.6	14.3	173.4	799.7	1 559.3	2 282.0	98.5	715.6	(D)	99
1991 ASM	(NA)	(NA)	(NA)	7.6	209.5	6.5	13.9	162.5	791.2	1 534.7	2 320.7	108.1	649.5	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	7.6	197.6	6.5	14.1	158.2	828.8	1 342.2	2 139.9	55.0	656.7	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	8.0	193.9	6.9	14.2	157.9	798.1	1 295.4	2 096.8	60.5	572.8	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	8.0	195.8	6.7	14.3	152.7	685.2	1 365.8	2 093.3	46.4	599.1	(NA)	(NA)
1987 Census	14	42	38	7.9	190.1	6.6	14.4	151.0	613.2	1 277.0	1 891.5	42.5	630.7	100	99
1986 ASM	(NA)	(NA)	(NA)	7.9	186.2	6.5	14.6	145.4	665.3	1 145.6	1 757.7	88.3	608.8	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	7.9	180.6	6.6	14.7	142.8	524.3	1 203.3	1 788.8	85.3	458.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	8.2	188.4	7.0	14.7	134.7	659.6	1 232.1	1 835.1	62.5	504.5	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	7.8	155.1	6.6	14.3	124.6	530.8	1 087.1	1 584.7	27.9	448.2	(NA)	(NA)
1982 Census	14	46	44	10.3	169.4	8.8	17.3	136.4	432.2	1 102.5	1 515.8	32.8	480.5	100	99
1981 ASM	(NA)	(NA)	(NA)	10.3	163.5	8.8	17.3	130.8	541.3	1 336.4	1 872.7	39.8	399.5	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	9.9	142.2	8.5	16.6	113.1	527.3	1 225.8	1 802.3	61.2	418.2	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	9.7	141.0	8.1	16.5	112.5	375.3	967.5	1 347.8	56.9	426.1	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	10.8	150.0	9.4	18.7	123.1	351.3	899.3	1 255.3	53.6	470.8	(NA)	(NA)
1977 Census	14	57	52	11.4	143.3	9.9	21.3	119.0	345.6	836.9	1 181.7	43.5	467.1	99	99
<b>INDUSTRY 2064, CANDY AND OTHER CONFECTIONERY PRODUCTS AND INDUSTRY 2067, CHEWING GUM</b>															
1992 Census	705	759	298	51.5	1 262.7	41.0	79.5	842.4	6 348.9	3 903.3	10 207.1	378.7	1 197.6	98	94
<b>INDUSTRY 2066, CHOCOLATE AND COCOA PRODUCTS</b>															
1992 Census	146	156	32	9.9	323.3	7.1	13.9	199.4	1 475.3	1 632.3	3 106.4	261.9	484.0	95	92
1991 ASM	(NA)	(NA)	(NA)	10.9	318.7	7.8	15.5	196.9	1 501.6	1 513.9	3 013.0	132.8	491.3	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	11.3	320.5	8.2	16.0	203.8	1 418.1	1 654.7	3 061.3	129.1	462.8	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	10.4	295.9	7.9	15.5	195.0	1 278.0	1 587.4	2 843.1	130.1	391.3	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	11.8	309.9	9.1	17.3	203.6	1 467.5	1 731.8	3 212.6	94.4	455.8	(NA)	(NA)
1987 Census	173	186	53	11.0	283.3	8.5	16.3	190.9	1 449.3	1 677.4	3 107.7	74.8	433.8	93	91
<b>INDUSTRY 2068, SALTED AND ROASTED NUTS AND SEEDS</b>															
1992 Census	102	112	69	10.4	233.4	8.1	16.2	143.0	1 028.0	1 837.3	2 834.4	44.7	439.5	90	94
1991 ASM	(NA)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	8.9	200.2	7.0	13.9	128.6	985.9	1 405.5	2 373.0	34.1	363.8	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	8.7	182.4	6.9	14.0	125.5	828.3	1 311.2	2 129.5	36.0	328.7	(NA)	(NA)
1987 Census	79	88	65	8.8	172.1	6.9	13.4	115.3	866.8	1 291.2	2 178.0	28.0	249.3	91	94

<sup>1</sup>In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1977, see 1977 Census of Manufactures, vol. II, table 1 of the industry chapter.

<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>Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years when respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for inventories and value added by manufacture are not comparable to prior-year data.

<sup>5</sup>Cost of materials is the sum of five components: the cost of (1) parts used in the manufacture of finished goods (materials, parts, containers, and supplies incorporated into products or otherwise directly consumed in the process); (2) purchased items later resold without further manufacture; (3) fuels; (4) electricity; and (5) commissions or fees to outside parties for contract manufacturing. A separate cost for each of the five components is shown in table 3a. Detailed data on materials consumed by type, are shown in table 7.

<sup>6</sup>Detailed data on new machinery and equipment expenditures are provided in table 3c.

<sup>7</sup>Represents ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for establishments classified in the industry.

<sup>8</sup>Represents ratio of primary products shipped by establishments classified in industry to total shipments of such products by all manufacturing establishments, wherever classified.